

## Contents

<b>Company News</b>	<b>3</b>
Atos Origin Becomes a Major Player in Enterprise Content Management	3
Avatech Solutions Announces Multi-Year Contract with CEO	4
CD-adapco Korea has Moved	5
Dassault Systemes Focus its Efforts in Yachting through Intrinsys	5
Imaginestics, LLC to be Honored as Tibbetts Award Winner	6
Intergraph Establishes Asia-Pacific Marine Services Center and Five Local Business Units to Support its Growing Marine Customer Base in the Region	6
KETIV Technologies, Autodesk's Leading CAD Partner for Manufacturing in the Southwest United States, Expands Geographic Coverage into Arizona	7
Latest Issue of BE Magazine Looks at Intelligent Transportation Systems; This Digital Publication Also Includes Details on "America's Cup of Civil Engineering," BE Conference Highlights, Project Stories From Around the World, and More	9
Microsoft and Cadence to Cross-License Patent Portfolios	10
Open Text Obtains U.S. Department of Defense (DoD) Certification for eDOCS Records Management	11
Si2 Announces New Design-For-Manufacturability Coalition	12
<b>Events News</b>	<b>13</b>
CDNLive! Silicon Valley User Conference Tops Attendance Records; Connects Cadence Users	13
Dassault Systèmes Drives the Digital Transformation of China's Aviation Industry	14
Get Fit For The Future: Gerber Technology Showcases Newest Solutions at CISMA 2007	15
Invention Machine Customer Discusses Impact of Innovation Culture on Revenue Growth	17
MSC.Software Announces Keynote Speakers for 2007 Americas Virtual Product Development Conference	18
Primavera® Annual Conference to Take Place OCT. 21-24, 2007, in Lake Buena Vista , Florida	19
SAP Adaptive Manufacturing Summit 2007: Co-Located with ASUG SCM, PLM and EAM Events	21
SAP to Debut On-Demand Business Software for Midsize Companies, Code Name "A1S," Via Press Conference Webcast on September 19, 2007	22
Ten Avatech Solutions Experts to Speak at Autodesk University	23
<b>Financial News</b>	<b>23</b>
Avatech Solutions to Report Fourth-Quarter and Year-end Fiscal 2007 Results on September 28, 2007	23
ESI Group Sales for the First Half of 2007 - Organic growth of +10% at constant exchange rates - Confirmation of the upturn in Services activity	24
<b>Implementation Investments</b>	<b>25</b>
Air International Doubles Investment in Arena PLM to Enhance Worldwide Collaboration and Supply Chain Management	25
Altium Designer Now Used in Canadian Space Research	26
Autodesk Announces SkidTek as Inventor of the Month for September	27
China Aero-Instrument Deploys Windchill® Solutions to Standardize Key Business Processes	28
City of Magdeburg, Germany, Joins Bentley's Municipal License Subscription Program	29
Designed in SolidWorks, Foster Refrigerators Take a Licking and Still Keep Chilling	30
First Milk Chooses IFS Applications to Help Streamline Its Supply Chain	31
KTM Sportmotorcycle's RC8 Superbike Gets Ready for the Street with Simulation Solutions from Dassault Systèmes	32
Le Coq Sportif Selects Centric Software to Manage Apparel and Footwear Product Lifecycles	33

# CIMdata PLM Industry Summary

---

Leading Utilities and Communications Organizations Worldwide Adopt Intergraph G/Technology	34
MediaTek, Inc. Adopts Mentor Graphics Formal Verification Technology for Next Generation Designs	35
Megayacht Designer Arthur M. Barbeito Implements Dassault Systèmes' CATIA to Streamline Design Processes	35
NASCAR® NEXTEL Cup Series Chase for the Championship Begins: UGS PLM Software Technology Sponsored Race Teams Win Seven of 12 Spots Including Top Four	36
Omnify Software Helps Intelligent Manufacturing Solutions Streamline Communication and Collaboration Process With OEM Customers; PLM Solution Provides a Single Environment for Both Parties to Create and Change Product Information	37
Pfizer Selects printLogic from Coastal Logic as its MatrixOne Batch Printing Solution	38
Process Oriented SAP PLM Document Distribution: Creating Solutions at HSM	38
PTC® Pro/ENGINEER® Helps Designcraft Create The Amphibian™ – The World's First Dynamic Scuba Fin	39
Pulse Global Relies on CoCreate Software for ABC's 'American Inventor'	40
Renault's Championship Formula One Team Powered by Oracle Content Management	41
RFIC Solutions Achieves 2X Increase in Productivity with Cadence Virtuoso Platform	42
Sanoyas Chooses the FORAN System of Sener	43
SAP Honors Customers and Partners for Manufacturing Innovation	44
Sener Signs FORAN Contract with Aker Yards	46
Stadtwerke Mainz Selects Bentley for Multi-UtilityGIS and Infrastructure Engineering Solutions	46
Stanzwerk AG Speeds Tool Design and Production with CoCreate Software	47
Swiss AVW Company Succeeds with LEDAS Geometric Solvers	48
Synopsys' Memory IP Development Environment Selected by UMC for Advanced Design Processes	49
Telelogic Signs 776,684 USD Contract with World Leader in Semiconductor Assembly Equipment	50
Toyota and DENSO Transition Production Operation to The MathWorks R2006b Release	50
U.S. Naval Academy Selects NEi Nastran Finite Element Analysis (FEA) Software	51
Wayne State University Receives \$407.8 Million in Engineering Tools from Partners for the Advancement of Collaborative Engineering Education	52
<b>Product News</b>	<b>53</b>
Agilent Technologies' Latest Genesys Software Provides First-Pass RF/Microwave Accuracy, Shorter Physical Design Cycles	53
Alibre Design 10.0 is Unveiled	54
Altair Engineering Extends Reach of HyperWorks Reseller Network in North America	56
CCE Updates its Mastercam Interoperability Product to Support GD&T and Unigraphics NX5	56
Centric Software Delivers First Apparel Suite With Operational Performance Management	57
Dassault Systèmes Launches Apparel PLM Solution for the Mid-Market	58
Delcam's New PowerMILL CAM Focuses on Five-Axis Machining	59
EDS Technologies Ties-Up with ICEM Targeting Automotive & Aerospace Industry	60
Engineous Software Joins Siemens UGS PLM Software Partner Program	60
ESI Group Accepted Into the IBM SOA Specialty Service Oriented Architecture Approach Drives Business Agility and Flexibility	61
Informative Graphics Updates Free DWG Viewer	62
Intergraph Introduces SmartMarine 3D Design Software for Shipbuilding and Offshore Industries	62
Invensys and innotec Extend Successful Partnership	63
Magma and UMC Deliver Robust Physical Verification and DFM Solution for 65 nm	64
MDTVISION Launches PRELUDE V5 Inspect, a Full-Featured 3D Metrology Software Based on Dassault Systèmes' V5 Architecture	64
MecSoft Releases Parametric CAD/CAM Bundle	66
Mentor Graphics Accelerates FPGA / PCB Design Collaboration with New I/O Designer Product Targeted at PADS Users	67

# CIMdata PLM Industry Summary

---

Mentor Graphics Introduces Multimedia Solution for Nucleus OS and Inflexion Platform _____	68
Multistat Announces Multistat Visual Optimizer Plug-in for Engineous iSIGHT-FD; Multi-Objective Optimization for the Toughest Design Challenges _____	68
Nikon and Synopsys Announce Manufacturing-Aware DFM Solution for 45 nm and Below _____	69
SAP Business ByDesign™ Unveiled; First Live Midmarket Customers Experience The Power Of The Most Complete On-Demand Business Software Solution _____	70
SpaceClaim Offers PLM Integration through xPLM Solution Partnership _____	72
Synopsys Announces DesignWare System-Level Library _____	74
Synopsys DesignWare USB 2.0 NanoPHY and PCI Express PHY IP Achieve Compliance in SMIC's 130-NM Process Technology _____	75
Tensilica Joins Chip Estimate's Prime IP Partner Program _____	76
TradeStone Factory Footprint Aims to Eliminate Recalls and Ensure Product Safety _____	76
VISTAGY and ESI Group Expand Partnership to Provide Complete Structural Analysis Simulation Process for Composites _____	77

## Company News

### *Atos Origin Becomes a Major Player in Enterprise Content Management*

13 September 2007

The market for Enterprise Content Management (ECM) is expanding. Market research shows that ever more companies understand the important optimizing role a company-wide ECM strategy can play in managing, exchanging and archiving different types of information flows. The Dutch market is expected to grow by more than twelve percent annually through to 2010. Atos Origin, an international IT services provider, offers an integrated range of solutions that enables organizations set up data flows efficiently, safely and cost-effectively.

Enterprise Content Management is synonymous with technology, resource and method integration across an entire organization for the purpose of generating, processing, sharing and archiving data. Since 2006, an increasing number of companies have come to realize the importance of organization-wide content-management, according to market research carried out by analysis experts Strategy Partners. Yet despite this, the IT infrastructures of many organizations are a collection of divergent systems and applications. The cumbersome, expensive and silo-like architecture that used to be common ground, is now making way for a shared, flexible and transparent infrastructure.

#### **Atos Origin's strong market position**

For the last four year, Strategy Partners has conducted annual studies of market positions, developments and trends in the Dutch ECM market. "Over the past four years, we have seen Atos Origin develop into one of the leading companies in the area of ECM consultancy – via their Atos Consulting division – and implementation. The recently completed study into 2006 market positions shows that Atos Origin was involved in the highest number of new projects started last year", says Hans Kaashoek, Managing Partner of Strategy Partners Nederland.

#### **Accessibility and coherence**

"Enterprise Content Management is a rising priority for many companies. More stringent rules regarding financial accountability and process monitoring are forcing companies to seek new and more efficient methods to fulfil their legal obligation to provide information. Accessibility and coherence are key here, explains Hans Kaashoek. "Making data available to employees via a single common infrastructure

# CIMdata PLM Industry Summary

---

results in greater uniformity in managing unstructured data, higher productivity and, possibly, significant savings.”

Although the study reveals that eight out of ten international companies expect to have a functioning ECM architecture in place by 2008; developing and implementing a coherent, company-wide ECM strategy remains a challenge for many. “ECM affects every aspect of an organization, from mailroom to boardroom. Atos Origin offers organizations an integrated portfolio of services and can help them develop solid strategies for streamlined work processes, data exchange, both internal and external, and full compliance with the relevant legislation and regulations”, according to Kees Stam, Partner at Atos Consulting. “In the case of banks, insurers, government agencies and a number of other specific sectors, especially, this is a reason to opt for a comprehensive ECM environment.”

## ECM Scan

Successfully implementing an Enterprise Content Management system involves a number of stages. Using the so-called ECM Scan, Atos Origin compares the state of an organization’s ECM development, from various perspectives, to current business drivers. This results in a complete picture of the organization’s current and desired situation and allows priorities to be set in developing a sustainable ECM environment. Atos Origin offers organizations a fully integrated service – from consultancy, innovation and system integration to management and maintenance – whose scalability and flexibility allows it to be adjusted to an organization’s individual needs.

Atos Origin collaborates with several major players including Alfresco, EMC2|Documentum, Global360, IBM/FileNet, Microsoft, OpenText/Hummingbird, Oracle/PeopleSoft, SAP and Tridion.

 [Click here to return to Contents](#)

## ***Avatech Solutions Announces Multi-Year Contract with CEO***

18 September 2007

[Avatech Solutions, Inc.](#) announced it has entered into a multi-year contract with President and Chief Executive Officer George M. Davis.

Thom Waye, Chairman of Avatech, commented, “Since George was appointed President and CEO in May 2007, he has been instrumental in realigning Avatech’s organization and operations in order to increase the company’s productivity, efficiency, communication and performance. I am pleased that Avatech will continue to benefit from his strong leadership over the next three years.

“In addition, I would like to emphasize that under the new compensation program we have structured, bonus compensation is directly linked to our operating and strategic plans, with a majority emphasis on profitability. This new agreement, which awards all additional incentive in equity, demonstrates complete buy-in from our CEO and represents a compensation structure that becomes increasingly more rewarding as the company excels. This approach incentivizes management to perform at the highest levels and on a basis fully aligned with the interests of shareholders while providing for the least amount of cash flow out of the company.

“I applaud George’s willingness and, more importantly, desire to be paid in such a way that he is clearly working for the benefit of Avatech’s shareholders.”

 [Click here to return to Contents](#)

## ***CD-adapco Korea has Moved***

19 September 2007

CD-adapco is increasing its already significant commitment to the Korean market by moving its staff into a brand-new state-of-the-art office. Located in the Geumcheon-gu, district of Seoul, to the south of the Han river, the office will house CD-adapco Korea's expanding array of engineers that develop, support, sell and consult with CD-adapco's software CAE software. In addition to the 40 strong engineering staff, the office will also be home to a brand new 150 CPU HP cluster.

This investment in the Korean market is significant says CD-adapco President and founder Steve MacDonald "For the past 25 years CD-adapco has based its success on one overriding principle — that people are the purpose for, and strength behind, our existence", he says. "In Korea, or anywhere else, becoming a CD-adapco customer means more than purchasing world-class software or services, it opens the door to an unrivalled wealth of engineering expertise."

 [Click here to return to Contents](#)

## ***Dassault Systemes Focus its Efforts in Yachting through Intrinsic***

18 September 2007

Dassault Systemes have decided to focus its efforts in the Yachting sector through the Business Partner, Intrinsic. In support of this activity, Intrinsic has a dedicated team of sales and application engineers to serve this industry sector and will market and promote the "CATIA for Yachting" portfolio of PLM products.

Intrinsic were chosen to support the industry because of the skills it has developed in areas such as; Knowledgware, large assembly concurrent design, composites design and manufacture and surface based design methodologies, all of which are particularly applicable to the Yachting industry.

The start of this activity has seen the Intrinsic team working closely alongside Dassault Systemes in Paris to create a plan to support the UK market, both on the commercial and technical aspects of the product. Expanding the presence of the "CATIA for Yachting" products within the sector is a major objective of Dassault Systemes and in support of this, Dassault Systems and Intrinsic will be present at the Monaco and Southampton Boat Shows, meeting with clients and promoting the solution.

### **About Intrinsic:**

Intrinsic combines the provision of CAD/PDM solutions alongside a thriving engineering business delivering projects to world-class companies in the Automotive, Aerospace, Architectural and Formula 1 Motorsport sectors. Its sister company, Integral Powertrain has been a customer of Dassault Systemes using CATIA for many years. This combination means that it is placed to exploit the benefits of the Solutions and to pass those benefits onto its joint customers.

Says co-founder and Engineering Director Darren Cairns, "Mastering PLM is our route to competitive advantage. This gives us unrivalled depth of knowledge and a practical business focus that can only be realised by organisations that use PLM themselves as an integral part of their day to day business."

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## ***Imaginestics, LLC to be Honored as Tibbetts Award Winner***

13 September 2007

Imaginestics, LLC of West Lafayette, IN has been selected as one of the winners of the 2007 Tibbetts Awards. Imaginestics will receive the award on Oct. 10 at the Westin Washington, located at 1400 M Street NW in Washington, D.C. Named for Roland Tibbetts—the person acknowledged as the father of the Small Business Innovation Research (SBIR) program—these national awards are made annually to those small firms, projects, organizations and individuals judged to exemplify the very best in SBIR achievement.

Imaginestics is one of 55 companies in the U.S. to receive this award. Imaginestics was selected from over 4,000 companies that receive contract and grants under the SBIR Program each year.

Imaginestics has received SBIR awards totaling \$1.73M to-date from NSF and DoD, with additional \$800K from State of Indiana as matching SBIR award. Without the SBIR award, Imaginestics could not have been in a position to take the initial idea of connecting buyers and suppliers using visual content from concept to commercialization and also to develop the technology that answers the fundamental question for custom parts/products, what should it cost?

The visual search technology had some key challenges to overcome, including achieving accurate matches for highly complex manufacturing part and bringing down the search time to seconds, even though the amount of information processed is almost 100 times that of popular text-based search engines. In the world of Google, search users expect the results to appear in seconds so we had to meet this expectation for our search engine to be viable. Through SBIR, Imaginestics' team was able to prototype the idea and introduce it in the market in relatively short time to obtain feedback. This allowed Imaginestics to gain market support and come back to NSF for SBIR Phase II B support, with additional funding from industry partners such as Lockheed Martin and Dana Corporation. "Incidentally, it was NSF's match making service that enabled Lockheed Martin to come across our NSF SBIR abstract and contact us", said Nainesh Rathod, President & CEO of Imaginestics. "Due to Imaginestics' success, NSF showcased us at the MIT Enterprise Forum, which enabled us to be recognized by numerous investors. We are currently in discussions with some of these investors for growth investment".

The complete list of winners can be found at [tibbettsawards.org](http://tibbettsawards.org).

For more information contact Juneyeta Gates at 765-464-1700 x 114 with Imaginestics, LLC or Jere Glover with the Small Business Technology Council at 202-662-9700. Since its inception in 1995, SBTC ([sbtc.org](http://sbtc.org)) has played a crucial role in promoting congressional legislation and federal regulations that aid small, technology-based companies—including re-authorization of the SBIR program.

 [Click here to return to Contents](#)

## ***Intergraph Establishes Asia-Pacific Marine Services Center and Five Local Business Units to Support its Growing Marine Customer Base in the Region***

19 September 2007

[Intergraph Corp.](#) has established the Intergraph Marine Services Center in Seoul, Korea, to provide consulting, support and technical resources for its growing marine customer base in the Asia-Pacific region. The company has also launched marine business units in Japan, China, Southeast Asia and Australia as part of this market emphasis.

## CIMdata PLM Industry Summary

---

The expansion underscores Intergraph's commitment to serve its increasing customer base of leading Asia-Pacific shipbuilding and offshore companies, including COSCO Shipyard Group, Keppel FELS, Marine Design and Research Institute of China, Samsung Heavy Industries and others.

Yeong Soo Bae, executive vice president of Samsung Heavy Industries said, "The new Marine Services Center is a sign of Intergraph's dedication to the marine industry and its willingness to respond to customer needs."

"Intergraph is building on its success in the Asia-Pacific marine market with this significant business investment," said Gerhard Sallinger, president of Intergraph Process, Power & Marine. "With two-thirds of the world's commercial ships and offshore devices being built in this region we will continue to grow our resources, helping the industry to increase its productivity and profitability by adopting Intergraph's superior solutions."

The announcement was made at the Process & Power Client Community (P2C2) Korea 2007 Conference in Seoul. The conference brings together industry leaders and decision-makers from across Korea to consider contemporary industry issues, plus global and national opportunities. Similar conferences are also held in Japan, China, Thailand and Australia.

Opening in the fourth quarter of 2007, the Intergraph Marine Services Center will assist Intergraph principal customers, as well as facilitate the delivery and execution of new Intergraph technology to marine prospects in the region. This will include Intergraph experts in marine engineering and naval architecture to provide application assistance and technical consulting, which will enable front-line support for customers to help ensure their success.

S.E. Kim, president of Intergraph Korea, will assume the additional duties of vice president of marine sales in Asia-Pacific and as head of the Marine Services Center.

Kim added, "We have compiled a very experienced team with extensive backgrounds in the marine industry and technology. It is a strong signal from our corporate leadership about Intergraph's commitment to this market by dedicating these very valuable members of our team to this task."

 [Click here to return to Contents](#)

### ***KETIV Technologies, Autodesk's Leading CAD Partner for Manufacturing in the Southwest United States, Expands Geographic Coverage into Arizona***

17 September 2007

KETIV Technologies of California, Inc., the only manufacturing Premier Solutions Provider for Autodesk® in the Southwest, announced the opening of its new office in Phoenix, Arizona. Continuing its commitment to the mechanical design engineering community, this expansion provides local support and training for 2D and 3D design customers.

"We're eager to provide the growing Arizona market with leading computer-aided design (CAD) consulting, training, and services," said vice president Anthony Rodriguez, who will oversee Arizona's office sales and operations. "Several of Arizona's leading engineering and manufacturing organizations have already partnered with us and have seen positive results. This, along with our focus and commitment to customer success in the Southwest, made our expansion into this area a logical decision," Rodriguez added.

Precise Metal Products Co., a KETIV customer based in Phoenix and fabricator for the aerospace,

# CIMdata PLM Industry Summary

---

aircraft, and medical sectors, looks forward to continuing their momentum with KETIV. “Precise Metal Products has taken the next step to becoming an industry leader by utilizing Autodesk Inventor® in our manufacturing strategy. Our alliance with KETIV Technologies is an integral part of this implementation,” Joel Cheiky, engineering manager said. Chad Swanson, manufacturing engineer, stated, “The company has provided exceptional customer service and technical support. We look forward to continuing our partnership and welcome KETIV into the Valley.”

“For 20 years KETIV has excelled as a trusted Autodesk partner because they focus on understanding customers' business goals and requirements, while helping to improve their design-to-manufacturing process,” said Robert “Buzz” Kross, senior vice president of Autodesk Manufacturing Solutions. “We are very happy to see that KETIV is expanding their business, and we look forward to continuing to work with their team to provide customers with the most comprehensive manufacturing solutions.”

Three KETIV customers have been selected among 600,000 worldwide Inventor users over the last year for their engineering excellence and groundbreaking innovation. Recognized through Autodesk's Inventor of the Month program, these customers were chosen for their innovative design and engineering advancements.

## Arizona Training and Events

The Arizona office will serve as a training, support and sales center. KETIV is offering a variety of free training courses for the mechanical design engineering community focused on:

Autodesk Inventor for SolidWorks Users

Autodesk Inventor Suite

AutoCAD® Electrical

AutoCAD Mechanical

Autodesk Vault

KETIV is offering free events including Autodesk's Experience the Possibilities Tour in Phoenix on September 20, 2007. Experience the Possibilities attendees will have the opportunity to see 2008 manufacturing software solutions and meet KETIV's industry experts at a luncheon open to the manufacturing community. To sign up for free training, webinars and events, register at <http://www.ketivtech.com/arizona>

## Arizona Staff and Office

The company has hired three local associates to staff the office, and will also utilize their team of dedicated application engineers to support technical questions and related services.

Kevin Thompson, Area Sales Manager for Arizona, has spent the last 5 years selling ERP, manufacturing, and CRM software for Microsoft value added resellers in Phoenix.

Rick Renda will serve as application engineer and brings more than 35 years of industry experience to KETIV. Renda has used manufacturing design software including Inventor, SolidWorks and UGS Solid Edge.

Peter Ephland, inside sales specialist, has 20 years of experience in consumer product engineering and industrial design. His experience in these fields gives him the ability to match the right software solution to meet customers' business needs.



# CIMdata PLM Industry Summary

---

Conveniently located in the Camelback Center building, the new office is 3131 East Camelback Rd., Suite 200, Phoenix, AZ 85016.

 [Click here to return to Contents](#)

***Latest Issue of BE Magazine Looks at Intelligent Transportation Systems; This Digital Publication Also Includes Details on “America’s Cup of Civil Engineering,” BE Conference Highlights, Project Stories From Around the World, and More***

20 September 2007

In the latest issue of BE Magazine (<http://www.be.org/>), published by Bentley Systems, Incorporated, freelance writer Al Karr explores high-tech solutions to the mounting challenges of America’s surface transportation systems. In the article “More ITS Sightings,” which first appeared in Transportation Management & Engineering Magazine, Karr says that by the year 2043 vehicle-miles traveled will leap by 135 percent while highway capacity will grow by just 9 percent. This, he warns, could result in the average motorist spending 160 hours a year – or four eight-hour-day work weeks – sitting in traffic tie-ups.

Traffic conditions like this, he says, are the *raison d’être* for intelligent transportation system (ITS) technology, which is designed to make surface transportation more efficient, safer, and more economical. Among the solutions currently being used are cell phones, PDAs, vehicle navigation systems, electronic toll-collection systems, and highway traffic monitoring and reporting networks.

But as Karr explains, there are obstacles to the widespread deployment of these systems as well as to their integration, which is the key to their future success. He goes on to examine the progress being made and challenges that remain.

In the article that follows, titled “Racing Concrete Canoes,” Bentley’s Laura Meier switches the focus to the task of nurturing tomorrow’s civil engineers as she captures the excitement of the 20th annual American Society of Civil Engineers National Concrete Canoe Competition. In her account of this “America’s Cup of Civil Engineering,” Meier explains that the competition challenges civil engineering students to apply their knowledge of structural and hydrodynamic design in the construction of concrete canoes that not only float, but are also durable and race worthy.

For those who missed BE Conference 2007 in Los Angeles and BE Conference Europe in London, this issue provides a special BE Conference in Review section. Included in this multimedia presentation are highlights of the BE Awards of Excellence ceremony, the first-ever People’s Choice Awards program, and the insightful keynotes delivered by Bentley’s executive team, including CEO Greg Bentley, Senior Vice President Bhupinder Singh, Senior Vice President Buddy Cleveland, CTO Keith Bentley, and COO Malcolm Walter. The keynotes provide a look at current and future challenges facing the infrastructure community, along with details on advanced software products and solutions already available – or in the works – to meet them.

In “The Last Word,” CEO Greg Bentley discusses strategies that Bentley users are pursuing to gain the advantage of information flowing digitally and directly from stage to stage of the lifecycle of infrastructure projects – in other words, says Mr. Bentley, “bridging the gaps.”

The building sector, he says, is adopting Building Information Modeling (BIM) to optimize design decisions and enable reuse of AEC information, ultimately to support facility operations. Applying this strategy to bridge projects, BIM becomes BrIM.

# CIMdata PLM Industry Summary

---

Adds Mr. Bentley, “We have observed that among infrastructure expenditures, road and rail bridges consume a large proportion of global resources, but they have had comparatively little benefit from IT innovations spanning the information lifecycle compared to other asset classes.”

Mr. Bentley then explains that the company’s response to this need includes acquisitions that provide “best-of-breed” software functionality for bridge projects and a new BrIM initiative. Through the latter, Bentley will leverage intra-operations across its product portfolio for the efficient design and construction of new bridges and more cost-effective maintenance and upgrades of existing bridges.

To experience BE Magazine’s latest digital issue and become a subscriber, go to <http://www.be.org/>. To contribute to the editorial content of future issues, please submit success stories, feature articles, news items, commentary, or letters to [BEmagazine@be.org](mailto:BEmagazine@be.org).

 [Click here to return to Contents](#)

## ***Microsoft and Cadence to Cross-License Patent Portfolios***

19 September 2007

Microsoft Corp. and Cadence Design Systems Inc. have entered a patent cross-licensing agreement, expanding on a long-standing relationship between the two companies. The agreement allows broad access to each company's respective patent portfolios to facilitate future technical collaboration in areas of common interest to both companies.

The companies' exchange and implementation of patented technologies will span many areas and give both companies greater freedom to innovate.

"We are pleased to further expand our collaboration with Microsoft," said R.L. Smith McKeithen, senior vice president and general counsel at [Cadence](#). "Both Cadence and Microsoft are leaders in their respective technology space and in the software industry -- we have a common interest in fostering innovation within the industry and leveraging those innovations to provide pioneering solutions for our customers. IP licensing is a collaborative way to spur innovation, and this agreement is a natural extension of this goal."

"We are delighted to be collaborating with Cadence, the world's largest maker of software used to design integrated circuits and electronic systems," said Horacio Gutierrez, vice president of Intellectual Property and Licensing at Microsoft. "IP licensing continues to benefit today's technology industry and its customers. This cross-license agreement is a perfect demonstration of how licensing IP extends the reach of modern innovations across companies."

Cadence is committed to pursuing technologies that improve the development and manufacturing of electronic circuits and systems through research and development (R&D), joint ventures and alliances such as this agreement with Microsoft. Intellectual property (IP) licensing is a cornerstone of today's software industry and is an essential element of Cadence's strategy for offering comprehensive technology solutions.

[Microsoft](#) continues to work collaboratively with companies of all types on IP licensing and cross-licensing agreements. Since 2003, when the company announced it was "open for business" on IP, Microsoft has continued to license its IP portfolio, providing access to the fruits of its significant R&D efforts. The company maintains a growing worldwide quality patent portfolio that includes several thousand issued and pending U.S. patents. Recent Microsoft cross-licensing collaborations include Cisco Systems Inc., LG Electronics, Samsung Electronics Co. Ltd., NEC Corp., Seiko Epson Corp., Siemens

AG, SAP AG and Toshiba Corp.

 [Click here to return to Contents](#)

## ***Open Text Obtains U.S. Department of Defense (DoD) Certification for eDOCS Records Management***

17 September 2007

Open Text™ said today that the latest version of its Livelink ECM - eDOCS RM solution has been certified as compliant with the U.S. Department of Defense 5015.2-STD, a key standard for records management software used in corporations and governments. Open Text's solution is certified for both Oracle and Microsoft SQL Server-based implementations.

The certification demonstrates the Company's continued commitment to advance and support the eDOCS (formerly Hummingbird Enterprise) product line, protecting customers' existing investments in eDOCS technology.

The DoD 5015.2-STD certification process serves as a way to demonstrate that records management software meets mandatory functional requirements for use in the U.S. federal government. The certification is so highly regarded that it has been adopted over the years by the corporate world as a requirement for records management software.

The Livelink ECM - eDOCS RM solution offers all the capabilities customers need to create, categorize and manage an organization's critical records, whether electronic or physical. The solution includes extensive email integration to capture important emails, attachments and threads and manage them as records, along with documents and other content. Other key features include the ability to suspend records to meet discovery orders and assist in regulatory audits; security to defend against unauthorized access to information; event notifications of record activities; and built-in reporting tools to track content and activity throughout a record's lifecycle.

"With today's announcement, customers can continue to gain value from their eDOCS investment and from our continued commitment, as a worldwide leader in records management, to delivering the most advanced, fully certified solutions," said Kirk Roberts, President, Livelink ECM Division at Open Text.

### **Records Management Leadership**

Open Text is a worldwide leader in records management, furthering its position this year with a range of new solutions that allow companies to extend records management practices across content types stored in multiple systems. In April, Open Text became the first ECM vendor to offer an SAP-endorsed business solution for records management (<http://www.opentext.com/news/pr.html?id=1872>). The solution is the only one available that lets customers apply records management rules to content in SAP applications. Open Text was also first-to-market with a records management solution for Microsoft Office SharePoint Server 2007 earlier this year (<http://www.opentext.com/news/pr.html?id=1835>). All of Open Text's records management solutions are DoD certified.

For more information on Livelink ECM - eDOCS RM, go to: <http://www.opentext.com/2/sol-products/sol-pro-records-management/pro-llecm-edocs-rm.htm>. For more information on the DoD certification, go to: [http://jitc.fhu.disa.mil/recmgt/opentext/livelink\\_ecmedocs/index.html](http://jitc.fhu.disa.mil/recmgt/opentext/livelink_ecmedocs/index.html).

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## *Si2 Announces New Design-For-Manufacturability Coalition*

18 September 2007

Silicon Integration Initiative (Si2) announced the formation of the Design-For-Manufacturability Coalition (DFMC) which will build on previous efforts to ensure that ICs can be manufactured in accordance with the original design. Founding members include Cadence, Freescale Semiconductor, IBM, Ponte Solutions, Samsung, Sagantec, ST Microelectronics, and Texas Instruments. Other members are expected to be announced soon.

Important technology contributions to the DFMC were made yesterday, 9/17/2007, by Ponte Solutions and Blaze DFM. Ponte's model-based yield analysis technology allows yield sensitivity analysis for identifying critical areas. Blaze DFM's contribution consists of a proposed standard for the interactions between IC design tools and lithography simulation engines.

As semiconductor features shrink in size and pitch, the challenge of manufacturing them at acceptable yields increases dramatically. New materials, new processes, new equipment are being employed to challenge the laws of physics and are pushing the limits of known manufacturing science. More and more, manufacturing cycles and yield must be considered as an integral part of design of the library elements and the IC as a whole. IC production must become a collaborative effort across the disaggregated supply chain where business partners can share knowledge in a trusted environment – an integrated enterprise. The DFMC was formed to address these issues.

“Today, DFM is where Signal Integrity was 5 years ago,” says Jake Buurma, Si2's vice president of West Coast Operations. “Now SI is an integral part of the design flow and you can predict when you'll have crosstalk convergence. But you can't do that with DFM. If you have a DFM problem there is no easy way to converge so you miss the tapeout date and everyone loses. The biggest losers are the End User and the Silicon Foundry since the product will be late or be slower, or take more power, or have lower yield.”

“Design for manufacturability by its very nature is a broad interdisciplinary science involving many aspects of chip design and manufacturing,” says Lars Liebmann, Distinguished Engineer, IBM Semiconductor Research and Development Center. “Defining precise terminology and open interface standards is vital to exploiting the technical achievements made in DFM to date. IBM is looking to the DFMC to architect the infrastructure necessary to help us and our partners leverage DFM's full potential.”

“DFM parameters have to be added to existing design flow and the approach has to be consistent and holistic,” says Steve Schulz, president and CEO of Si2. “A good example is Design Intent where information about the Design is tagged on to Libraries, Designs, Cells, Polygons and Nets and then carried all the way to final IC production and testing. The DFMC will create a standard semantic and syntax for these DFM parameters. This is the basis for a common language around DFM parameters that design automation tools and people can use for transactions. Anticipated DFMC deliverables such as the DFM Dictionary and DFM API should become a simple, common language used to conduct DFM transactions between tools with different native languages.”

The DFM Dictionary is a recent work effort of the DFMC, and samples can be found in the recent Si2 Newsletter, located at this link: [http://www.si2.org/news\\_dir/2007/septnewsletter/sept07news.html](http://www.si2.org/news_dir/2007/septnewsletter/sept07news.html)

All interested companies are welcome to join the DFMC, and further information can be found at this link: <http://www.si2.org/?page=487>

 [Click here to return to Contents](#)

## Events News

### ***CDNLive! Silicon Valley User Conference Tops Attendance Records; Connects Cadence Users***

17 September 2007

Cadence Design Systems, Inc. announced record attendance and a record number of technical presentations at its CDNLive! Silicon Valley Conference for semiconductor and electronics systems designers. Attendance of over 700 registered designers, design managers and executives at the conference, held Sept. 10-12, 2007 at the San Jose McEnery Convention Center, represents an increase of 32 percent over last year and surpasses all previous records. Total attendance, including exhibitors and Cadence engineers, exceeded 1,200 with attendees coming from 16 countries and representing 183 companies.

The backbone of CDNLive! Silicon Valley is the high-quality technical presentations. More than half of the presented papers were delivered by design engineers from Cadence customers, partners and IC manufacturing companies who use Cadence EDA technology to design semiconductor products. This year, Cadence received more than 250 abstracts resulting in 66 customer presentations, 27 Cadence presentations and 16 co-authored presentations. Subjects ranged from logic design and custom design to functional verification and design for manufacturing, among others, as attendees shared best practices and methodologies.

Conference participants voted for the best user-authored technical paper/presentation in each track. In addition, the CDNLive! Steering Committee selected the paper presented by Kelly Larson, Verification Manager, Analog Devices, Inc., as the best paper of the conference.

#### **Distinguished Keynotes**

The event opened with a keynote presentation by Mike Fister, president and chief executive officer of Cadence, who said that the increasing complexity of semiconductor design means "engineers are faced with a new set of design challenges."

"It's a complex maze from concept to manufacturing," said Fister. "We want customers to know that with Cadence, 'What you design is what you get.'" He then outlined a broad array of new offerings from Cadence, principally aimed at designers targeting the 65nm and 45nm process nodes, where capabilities such as statistical static timing analysis (SSTA) and design for manufacturing (DFM) are necessary to quickly achieve high-quality, high-yielding designs—"from smart to finish". The key is to put manufacturing predictability in the hands of the designer.

Alberto Sangiovanni-Vincentelli, Cadence co-founder and board member and the Edgar L. and Harold H. Buttner Chair of electrical engineering and computer sciences at UC Berkeley then spoke on the theme of EDA moving "From Art to Science", and the need for EDA to move to higher levels of abstraction in the system-level design space.

In his Tuesday keynote, Tom Reeves, vice president of technology licensing for IBM's Intellectual Property and Standards group, outlined the close, advanced-solutions oriented relationship that Cadence and IBM enjoy, and the role that Cadence has played in providing design solutions and methodologies for IBM chip designs that are now used in a myriad of computing, consumer and communications end products.

## CDNLive! Global Events

More than 3,400 Cadence technology users are expected to participate in CDNLive! User Conferences worldwide this year, an increase of 15 percent over last year. The 2007 lineup of CDNLive! User Conferences included events in Munich, Shanghai, and Tokyo and will move on later this year to Bangalore (Oct. 11-12), Tel Aviv (Nov. 5) and Hsin-Chu, Taiwan (Nov. 13).

At these events users learn about the latest insights on complex electronic-design-automation issues, solutions to address the anticipated IC design challenges of tomorrow as well as practical techniques and tips from other power users, domain experts and Cadence technologists to further their design skills. Executives are also able to network with peers, exchange views on the key challenges for the industry, and get a deeper level of understanding of how Cadence can help them to address their long-term business strategies.

"The CDNLive! User Conference is an essential event for all Cadence technology users across design domains. It's a unique opportunity for sharing knowledge with top designers, executives as well as Cadence developers," said Craig Johnson, corporate vice president of marketing and strategy at Cadence. "Continued positive feedback from technical attendees and executives is very encouraging and shows us that we are on the right track with our conference concept."

 [Click here to return to Contents](#)

## *Dassault Systèmes Drives the Digital Transformation of China's Aviation Industry*

19 September 2007

Dassault Systèmes (DS) is showcasing its comprehensive PLM aviation-sector solutions at the [Beijing Aviation Expo 2007](#). To better compete globally, local aviation companies are using DS's CATIA Composites Design for aircraft manufacturing, ENOVIA VPLM for 3D collaborative virtual management of product-related data, DELMIA for virtual production manufacturing and maintenance, and ENOVIA MatrixOne for enhanced enterprise business process management.

"To ride on the fast development of China's aviation industry and help local businesses play a major role on the global stage, leading Chinese aircraft manufacturers are actively investing in and developing cutting-edge PLM strategies, strengthening their market position and driving innovation," says Denis Georgeon, general manager PLM channel China & South Asia, Dassault Systèmes. "DS brings over 26 years experience in 3D PLM to the table and wants to share this know-how with China aviation enterprises to help them realize China's dream and mission— 'Aviation & Aerospace Strengthen the Country.'"

For today's airline companies, increasing oil prices, driven by international political tensions, make for steeper operational costs and require firms to charge more. Add to that the growing pressure to keep things "green," like reducing noise pollution and harmful gas emissions. To make this happen, aviation companies are working with Dassault Systèmes, a natural partner to reach these goals given its 15-year relationship with China's aviation industry, and its proven track record working with international aviation giants.

[DS](#) is working with local customers and partners that are carving the future for China's aviation industry, such as The First Aircraft Institute, Chengdu Aircraft Industrial Group, and Xi'an Aircraft Industrial Group. Together they are crafting solutions that integrate closely with local best practices and optimize critical processes for aircraft development. In addition to using CATIA for their 3D virtual

design needs, Chinese aircraft manufacturers are also adopting specialized CATIA applications for composites and sheet metal design and manufacturing. They are also deploying DS's end-to-end PLM solution, which covers design to recycling.

Dassault Systèmes will be present (booth G-4, Hall 8) at the Beijing Aviation Expo 2007, which takes place September 19-22, 2007 at China International Exhibition Center in Beijing, China. DS will also further introduce its aviation-industry PLM solutions during seminar sessions in conjunction with the exhibition.

 [Click here to return to Contents](#)

## ***Get Fit For The Future: Gerber Technology Showcases Newest Solutions at CISMA 2007***

19 September 2007

Gerber Technology will participate in CISMA, China International Sewing Machinery & Accessories, the industry's largest show in China from September 26-29, 2007 in Shanghai, China. In its 625 square-metre booth, Gerber will showcase its complete line of automation CAD/CAM/PLM solutions, including conceptual design, plotting, spreading, cutting, Fashion Lifecycle Management™ (FLM) and service. "Get Fit For The Future", Gerber's theme for CISMA 2007, shows the company's commitment to helping its customers implement the automation systems they need to remain competitive in the future.

### **Overview of New Solutions**

Gerber Technology, which will be celebrating its 40th anniversary in the forthcoming Olympic year 2008, will introduce its newest products during CISMA:

**AccuScan™** automated high-speed pattern digitizing system: This new scanning technology digitizes multiple patterns simultaneously and outputs AccuMark pattern pieces. AccuScan is typically 20-50 percent faster than manual digitizing, depending on the complexity of the pieces being digitized.

**AccuNest™**, the company's new software for automatically generating markers: the high performance automatic marking software utilizes state of the art algorithms to deliver the best fabric yields in the industry today. Users report that AccuNest makes markers faster and better than their manual marker makers. AccuNest is completely integrated with Gerber's AccuMark™ software, the world's leading pattern design, grading and marker making software.

**AccuMark™ V-Stitcher 4.1** version: a commercial and proven application for 3D design and visualization currently available on the market. The new V-Stitcher version 4.1 has new avatars, new 3D environments, a new neckline stretch test, and improved pressure map. These and other improvements, supply better presentation capabilities and better development tools will be demonstrated.

**GERBERSpreader™ XLs125**: XLs Series spreaders are developed and manufactured to yield an exceptional price to performance ratio. The XLs125 is the second product of the new series to fit virtually every spreading application. The easy-to-use XLs125 handles material rolls weighing up to 125 kg (276 lbs), spreading without tension and perfectly aligned edges. It is capable of spreading woven or knit materials in roll or flat form for a wide variety of applications. It provides accurate and consistent spread length and alignment of fabric edges which enables parts to be nested closer to the beginning, end, and edges of the spread, eliminates end loss and optimizes material utilization.

**GERBERcutter® XLc7000**: The XLc7000 multi-ply GERBERcutter® offers unmatched price

# CIMdata PLM Industry Summary

---

performance and exceptional reliability. With its low initial capital investment, low cost of ownership and superb accuracy and throughput, the XLC7000 is the best price-performance cutter in its class. The XLC7000 cuts up to 7.5cm of compressed material – accommodating a wide variety of fabric types and material widths up to 2.0 meters.

**FLM (Fashion Lifecycle Management):** FLM extends Gerber's WebPDM's product data management capabilities into an enterprise-wide tool to manage and improve the product development process on a global basis.

## **Sophisticated Products Shown Together to Supplement the Complete Automated Line**

In addition to the featured introductions, Gerber will also demonstrate other products available in its complete GERBERSuite line of automation products:

**Vision Fashion Studio conceptual design software:** Streamlines the creative process, reduces development times and ultimately decreases costs and increases profitability and productivity.

**AccuMark software:** The world standard for pattern design, grading and marker making, AccuMark contains the most comprehensive set of pattern development tools in the industry, along with many other features to meet the fast-changing needs of today's apparel manufacturers.

**AccuMark MTM software:** Gerber's AccuMark Made-to-Measure (MTM) meets the complex needs of the tailored clothing industry. It is the only software solution that provides true automation from pattern modification through advanced rule based specifications and order creation.

**CutWorks software:** Offers a complete design, nesting and cutting solution for various industries, aircraft, automotive, apparel, furniture, composites, marine and industrial fabrics. It is the brain behind all GERBERcutters. With CutWorks you can import and export files using multiple formats, process data quickly, and optimize cut paths for more efficient throughput. It also delivers unparalleled matching of plaid and stripe fabrics.

**Digitizer:** Quickly and efficiently input your existing templates into your CutWorks™ or AccuMark™ system using the Digitizer from Gerber. The Digitizer workstation consists of a digitizing table with menu, and a 16-button cursor. The system enables you to enter descriptive information about each template. All information is stored in the CAD system, where it is immediately ready for modification and nesting.

**SP-120 Plotter/Cutter:** The SP-120 plotter is ideal for design centers and in-house design departments. SP-120 plotters are used to create, check or revise pattern pieces and nests, and plot component pieces and mini-markers.

**Infinity AE II wide-format high-performance inkjet plotter:** marketed only in China, provides unparalleled reliability, versatility, and ease of operation. The Infinity AE II is simple to operate and quiet enough for use in every type of environment.

**GERBERSpreader XLs50:** The high-quality, high-performance automated XLs50 is specially designed for the apparel industry. It is capable of spreading woven or knit materials from either rolls or flat-folded packs. XLs50 provides accurate and consistent spread length and alignment of fabric edges which enables parts to be nested closer to the beginning, end, and edges of the spread, eliminating end loss and optimizing material utilization. It also features an ergonomic design for easy material loading and unloading and an easy-to-learn graphical user interface.

**GERBERcutter GTxL:** GTxL is ideal for cutting small lot orders at low- and medium-ply heights. It is



# CIMdata PLM Industry Summary

---

a low-ply conveyORIZED system capable of cutting up to 2.5 cm (1 in) of compressed fabric, using Gerber's state-of-the-art reciprocating knife technology. The GTxL cutter is ideal for small-lot orders; special GTxL configurations are available for cutting ladies fashion, suits, sportswear, and industrial products, such as furniture and transportation interiors.

## **Service Zone Demonstrates Commitment to Customer Service**

As part of its ongoing commitment to customer service, GERBERservice manages eleven customer solutions centers serving six continents. Each center is staffed by individuals who speak the local language and understand the domestic challenges. The GERBERservice organization totals now more than 550 technicians, applications specialists and call center caregivers worldwide. This organization is supplemented by over 250 service specialists employed by Gerber Technology's agents and distributors. GERBERservice supports more than 17,500 customers in 126 countries. GERBERnet includes software updates, online parts ordering, technical information and previously-owned equipment on auction. Access to GERBERnet is provided via <http://www.gerbertechnology.com/>.

## **Market Alliances Strengthen GERBERSuite**

Gerber Technology continues its strong alliance with Eton Systems AB (<http://www.eton.se/>), a leading supplier of unit production systems (UPS), which will be located within Gerber booth. Human Solutions GmbH, will show its leading 3D body scanner and Intailor software; TPC (HK) Limited, a garment technology consulting firm that uses a series of human body data obtained from a three-dimensional body scanner to generate two-dimensional patterns; and GSD (Corporate) Ltd., a leading provider of Pre-Determined Motion-Time Systems (PMT Systems) for benchmarking productivity in sewing and cutting rooms, as well as developing costs, methods, and training for sewn goods manufacturing, will also be presented in the booth.

 [Click here to return to Contents](#)

## ***Invention Machine Customer Discusses Impact of Innovation Culture on Revenue Growth***

18 September 2007

With 70% of today's products expected to become obsolete by 2010, organizations are researching options to quickly generate and validate new product ideas to fuel product pipelines.

Leggett & Platt, a Fortune 500 diversified manufacturer, was faced with a similar dilemma, coupled with the challenge of harnessing technical expertise scattered across 29 business units. With Invention Machine Goldfire, Leggett & Platt is effectively uncovering technology synergies in a diversified environment and driving continuous innovation across the enterprise.

Come hear how Invention Machine empowered Leggett & Platt engineers to design an innovation platform that is significantly reducing product development time by generating and validating the right ideas at the right time.

### **WHAT:**

Challenges of creating a successful innovation culture in a diversified environment

### **WHO:**

Vincent Lyons, VP Engineering & Product Development, Leggett & Platt Jeff Boehm, VP Marketing & Strategy, Invention Machine

# CIMdata PLM Industry Summary

---

**WHEN:**

Tuesday, September 25, 11:15 a.m. CT

**WHERE:**

2nd Annual Design Excellency Forum, Sept. 25-26

Doubletree Hotel, Dallas Market Center

Dallas, Texas

**CONTACT:**

To schedule one-on-one meetings with Invention Machine or Leggett & Platt, please contact:

Parna Sarkar

psarkar@invention-machine.com

617-305-9250, ext. 3305

 [Click here to return to Contents](#)

## ***MSC.Software Announces Keynote Speakers for 2007 Americas Virtual Product Development Conference***

18 September 2007

MSC.Software Corp. announced the keynote speakers for their 2007 Americas Virtual Product Development Conference. The 2007 VPD conference provides the opportunity for the global engineering community to learn from thought leaders in aerospace, automotive and manufacturing - and from the success of their peers.

The conference will take place on October 11-12, 2007 at the Marriott Renaissance Center in Detroit, Michigan. Attendees will include engineers and senior executives from industries including automotive, aerospace, bio- medical, civil engineering, defense, and general machinery.

This year's VPD conference, themed "gaining competitive advantage through engineering productivity," is designed to help companies maximize their return on simulation investments, ensure right-to-market and minimize time-to-market for products in highly competitive global environments. The conference will celebrate the best in process management, industrial applications and design innovation, providing insight into MSC.Software's continued strategic product investments in the Path Forward. Keynotes and technology tracks feature management sessions from leading manufacturing executives and high-value customer case studies. Presentations by MSC.Software engineers will focus on current and future capabilities of its leading Engineering Products including MSC.Nastran, Patran, Marc and Dytran and its new enterprise-class MD and SimEnterprise Solutions.

As part of the conference, MSC.Software management and experts will be available to discuss attendee requirements in relation to individual current and future product development needs, as well as providing insight into improving product performance and reliability by enhancing product simulation, testing, and manufacturing.

Keynote speakers for the conference are scheduled to include:

- David Cole, Chairman, Center for Automotive Research

# CIMdata PLM Industry Summary

---

- Thomas Lange, Director for Modeling and Simulation in Corporate R&D, Procter & Gamble
- Thomas Tecco, Global Director, Computer-Aided Engineering, Electrical and Test Systems, General Motors Corporation
- Thomas Gielda, Director Global Mechanical Structures and Systems, Whirlpool Corporation

"MSC.Software's VPD conference explores all aspects of virtual product development, and will spotlight strategies to help engineering teams meet the ever-increasing pressures of time, cost, quality, and performance through engineering innovation," said Stephen Bodnar, Vice President, Marketing and Product Management, MSC.Software. "As we explore the future of simulation, we've invited industry experts to share their thoughts on how the associated technologies can provide them with a competitive advantage."

For more information on VPD Americas 2007, or to register for the event, visit:<http://www.mscsoftware.com/events/vpd2007/>

## About MSC.Software's Global VPD Conferences

MSC.Software hosts its VPD conferences in several strategic locations around the globe, providing its customers and prospects with convenient access to the latest information surrounding its products and solutions and providing attendees direct access to VPD case studies as presented by their peers throughout the industry's customer-base. This year's conferences will take place on October 11-12, 2007 at the Marriott Renaissance Center in Detroit, Michigan, October 17-18 at The Radisson SAS Hotel International Conference Center in Frankfurt, Germany, October 23-24 at the Century Hyatt in Tokyo Japan, October 25-26 at COEX in Seoul, Korea and October 30-31 at Beijing Eastern Garden in Beijing, China

 [Click here to return to Contents](#)

## ***Primavera® Annual Conference to Take Place OCT. 21-24, 2007, in Lake Buena Vista , Florida***

18 September 2007

Primavera Systems, Inc. announced that the Primavera 24th Annual Conference will take place Oct. 21-24, 2007, at the Walt Disney World Dolphin in Lake Buena Vista, Florida.

The conference is an educational forum where attendees from a variety of industries can join peers from around the globe to collaborate and update their product knowledge. Attendees will learn the latest project, resource, program and portfolio management techniques, strategies and technologies to make their organizations more efficient, profitable and competitive. They will be able to select from more than 140 different sessions and take advantage of opportunities, including:

- Roundtable discussions on improving enhancing project management maturity;
- Networking opportunities with leading businesses and government organizations;
- Technology demonstrations and hands-on software training sessions, including an intro to the latest versions of Primavera software, including P6, ProSight, Evolve, Contract Manager, Pertmaster, Cost Manager, Inspire and Prime Contract;
- Customer successes and best practices for effective project management.

“Our Annual Conference attracts Primavera customers who want to hone their knowledge and enhance

# CIMdata PLM Industry Summary

---

the performance of their businesses,” said Joel Koppelman, Primavera CEO. “At this year’s conference, Primavera will further demonstrate its commitment to stamping out project failure by highlighting best practices through informative sessions and panel discussions with real-world advice from some of the world’s best-managed companies.”

## **Continuing Education Programs:**

Project Management Professionals (PMPs) may also accrue continuing education units at the Conference. PMPs may qualify for up to 14 Professional Development Units (PDUs) from the Project Management Institute (PMI) by attending the keynote speech and technical program presentations. For additional information, please visit <http://www.primavera.com/conference/eduunits.asp#EDU>

The Association for the Advancement of Cost Engineering International (AACE) also is offering a certification exam on Wednesday, Oct. 24, for CCC, CCE, EVP and PSP certifications. For more information, visit <http://www.primavera.com/conference/eduunits.asp>.

## **Keynote Address:**

Kevin Carroll, renowned author, speaker and agent for social change, will deliver the keynote address on Day One of the conference, discussing “Rediscovering Play: Bringing Fun and Passion to Your Work... And Life.” Carroll’s first book, *Rules of The Red Rubber Ball*, published by ESPN Books, has received widespread recognition. Carroll also is the founder of The Katalyst Consultancy, where he has helped turn creative ideas into reality for organizations, including The National Hockey League (NHL), Nike, ESPN, Starbucks, The Walt Disney Company, Mattel, Hasbro, Paramount Television, Procter & Gamble, The Discovery Channel, Capital One, HSBC Bank and many others.

## **The Primavera Excellence Awards:**

At the Conference, company co-founders Joel Koppelman and Richard Faris will present the sixth annual Primavera Excellence Awards, which recognize the outstanding achievements of customers in project, resource, program and portfolio management. Many leading organizations have received this award in the past, in recognition of superior business practices, including:

- AFLAC
- AmerenUE
- AOL
- CH2MHill
- Ericsson
- Galliford Try
- Hartsfield-Jackson Atlanta Airport
- Hill International, Inc.
- The Los Angeles Unified School District
- Motorola
- Pershing LLC
- Progressive Insurance Company

# CIMdata PLM Industry Summary

---

- Sabre Holdings
- Satterfield & Pontikes
- The Principal Financial Group
- United Utilities
- U.S. Army Corps of Engineers
- Wyeth

For more information on the Primavera Annual Conference, including registration details, please visit <http://www.primavera.com/conference> or e-mail [acinfo@primavera.com](mailto:acinfo@primavera.com).

 [Click here to return to Contents](#)

## ***SAP Adaptive Manufacturing Summit 2007: Co-Located with ASUG SCM, PLM and EAM Events***

19-21 September 2007

Please join SAP executives, colleagues, partners, sponsors, and manufacturing visionaries at the global 2007 SAP Adaptive Manufacturing Summit in San Francisco, California, on September 19 - 21, 2007.

At this event, you'll learn how industry leaders are achieving manufacturing excellence with [SAP Manufacturing](#), [SAP xApp Manufacturing Integration and Intelligence](#) (SAP xMII), [SAP xApp Lean Planning and Operations](#) (SAP xLPO), and [SAP solutions for RFID](#).

### **Four Events; One Price, One Location**

The SAP Adaptive Manufacturing Summit will be taking place along with [ASUG Enterprise Asset Management](#), [Product Lifecycle Management](#), and [Supply Chain Management](#) events. Register for one program and receive access to the educational sessions from all four. The ASUG events will provide real-life advice from customers who've already gone through the process. Discover in-depth, practical knowledge and proven strategies and solutions that you can take back to your office and implement immediately. [Learn more](#) about these programs.

#### **ASUG Product Lifecycle Management Highlights**

[Advance Program](#) - Preview session highlights, keynote information, Influence and Benchmarking sessions, registration deadlines, and much more.

[Session Schedule](#) - View the complete session schedule.

[Preview Webcast](#) - Do you want to be prepared for the ASUG Product Lifecycle Management event in advance? ASUG Volunteers hosted a preview Webcast containing information about the educational presentations, Influence, and networking activities planned for San Francisco. Listen to the Webcast to hear important information to help make your experience productive and valuable.

[Justification Document](#) - Download the Training Proposal to personalize and show your supervisor the amount of applicable education you will gain by attending.

You'll be able to maximize the return on your SAP investment by listening to the tips, tricks, and benefits discussed by customers who have implemented SAP solutions through the entire product lifecycle, understand the customer vision of new product development and introduction, and see how SAP software automates this process. You'll also become familiar with common user issues related to

# CIMdata PLM Industry Summary

---

the cProjects application and the SAP xApp Resource and Portfolio Management composite application.

[REGISTER NOW.](#)

 [Click here to return to Contents](#)

***SAP to Debut On-Demand Business Software for Midsize Companies, Code Name “AIS,” Via Press Conference Webcast on September 19, 2007***

17 September 2007

Press and analysts are invited to a live online feed of the press conference highlighting the debut of SAP’s new midmarket offering, with the codename “AIS.” The conference is being held in New York City, September 19, 2007.

At the event, SAP will reveal a comprehensive snapshot of this new business software specifically designed to meet the needs of midsize companies in an untapped \$15 billion market.

The Webcast will feature live demonstrations of the innovative new solution. Early customers will discuss how the software helps them meet the challenges they face in their businesses.

The conference will feature:

- Keynote speech by Henning Kagermann, CEO, SAP AG
- Keynote speech including demonstrations - Peter Zencke, member of the executive board, SAP AG
- Panel discussion with Hans-Peter Klaey, president SME, SAP AG, together with early customers
- Keynote speech by Léo Apotheker, deputy CEO and president of Global Customer Solutions and Operations, SAP AG
- Q&A with SAP executives, early customers and partners

**SAP Press Conference**                      **Wednesday September 19, 2007 11:00 a.m. – 12:30 p.m. EDT / 5:00 p.m. – 6:30 p.m. CET**

The Webcast will be broadcast at <http://www.sap.com/press>

Questions can be submitted to [press@sap.com](mailto:press@sap.com)

Listen-in, toll-free from USA:                      +1 (888) 635-9300

Listen-in, international callers:                      +1 (651) 291-7662

Access Code: 885760

A replay of the conference will be available as of Sept. 19 at 6:00 p.m., until Sept. 26 at 11:59 p.m. EDT:

From USA:                      +1 (800) 475-6701

International:                      +1 (320) 365-3844

Access Code: 885760

Broadcast-standard video content about SAP is available at <http://www.thenewsmarket.com/sap>.

Registration on the site and video is free to the media.

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## *Ten Avatech Solutions Experts to Speak at Autodesk University*

10 September 2007

[Avatech Solutions, Inc.](#) announced their speakers for this year's Autodesk University User Conference and Exhibition, which takes place November 27 – 30, 2007 at The Venetian Resort Hotel in Las Vegas. This year ten Avatech professionals will present and lead sessions at Autodesk University.

As trusted sources of both deep technical and broad strategic insights, Avatech professionals contribute to the Autodesk community throughout the year, presenting collectively over 500 webcasts and Autodesk product-related events in 2007. Ten people – including senior consultants, directors of professional services, and executive-level experts – will be presenting on topics across five applications of Autodesk software, including architecture, infrastructure, mechanical and structural engineering, and facilities management.

“For over a decade, Avatech’s award-winning training, implementation, and programming experts have contributed their knowledge and expertise at Autodesk University,” said Joseph Wurcher, Autodesk University Program Development Manager. “We’re please to welcome them again this year, where they are among our top sources for experienced skills and perspective. They add greatly to attendee understanding of our products and how to use them to advantage.”

### Avatech’s Speaker Topic Line-Up for Autodesk University

- Building an ROI Case for Autodesk® FMDesktop™
- Methodology for Implementing BIM: Educational Processes vs. Professional Practices
- Working with Clients and Consultants Who Don’t Use the Autodesk® Revit® Format
- Hands-On Experience! Making a Smooth Transition from AutoCAD® to Autodesk® Inventor™
- Ensuring Successful Custom Software Projects
- Achieving “Content-ment” with AutoCAD® Architecture's Content Browser
- AutoCAD® Civil 3D®: Survey Exposed!
- Demystifying Label Styles Within AutoCAD® Civil 3D®
- Easing the Transition from AutoCAD® to AutoCAD® Architecture
- There and Back Again: From AutoLISP® to VBA to .NET

 [Click here to return to Contents](#)

## Financial News

### *Avatech Solutions to Report Fourth-Quarter and Year-end Fiscal 2007 Results on September 28, 2007*

19 September 2007

Avatech Solutions, Inc. announced it will release its fourth-quarter and year-end results for fiscal 2007 before the market opens on Friday, September 28, 2007. The Company has scheduled a conference call for 11:00 a.m. Eastern Time on the same day.

## CIMdata PLM Industry Summary

The dial-in number for the conference call is (866) 634-2258. A replay of the call will also be available through Friday, October 5, 2007 and can be accessed by dialing (706) 645-9291, conference ID #17415697.

An audio replay of the conference call will be available in the Investor Relations section of the Company's Web site, <http://www.avatech.com/>.

 [Click here to return to Contents](#)

### ***ESI Group Sales for the First Half of 2007 - Organic growth of +10% at constant exchange rates - Confirmation of the upturn in Services activity***

11 September 2007

ESI Group announced its consolidated sales for its first half to 31st July 2007.

#### **Changes in quarterly and half-year sales:**

In € millions	Q2 2007	Q2 2006	Δ % (actual)	Δ % (volume)	H1 2007	H1 2006	Δ % (actual)	Δ % (volume)
<b>Licences</b>	10.4	10.6	-1.4%	+4.3%	20.8	20.4	+2.2%	+7.9%
<b>Services and other revenues</b>	3.7	3.0	+21.3%	+25.5%	6.8	6.0	+13.4%	+17.2%
<b>Total sales</b>	<b>14.1</b>	<b>13.6</b>	<b>+3.7%</b>	<b>+9.0%</b>	<b>27.6</b>	<b>26.4</b>	<b>+4.8%</b>	<b>+10.0%</b>

*The Group's FY runs to 31<sup>st</sup> January*

*Reminder: Figures for this first half were recorded on a constant business perimeter, and therefore reflect purely organic growth. The seasonality inherent to ESI Group's activity means that a very substantial portion of annual revenues are recorded over the second half of its financial year.*

First-half sales totalled 27.6 million euros, up +10.0% at constant exchange rates.

Licences sales for the six months were up +7.9% at constant exchange rates, representing an acceleration in growth for Licences activity in volume compared to the first half of last year (+5.3%).

The substantial acceleration in Services growth over the second quarter (+25.5% at constant exchange rates) has resulted in half-year growth of +17.2% at constant exchange rates and confirms the anticipated upturn in Services activity. This improvement was recorded thanks to the amplification of high value-added projects, notably in the Automotive and Aeronautical domains.

Alain de Rouvray, ESI Group's Chairman and CEO, says: "The relatively good performance of Licences activity in volume and the substantial growth recorded by Services activity have enabled us to report first-half sales, excluding exchange rate effects, that are broadly in line with our expectations. Activity was particularly dynamic in North America despite strong local competition."

Repeat business ratio for Licences sales reached 72%, versus 79% for the same period of 2006, but



# CIMdata PLM Industry Summary

---

should be seen in context at this stage of the year and was impacted by a substantial exchange rate effect in American and Asian areas, which represented 65% of first-half Licences sales.

Up 4 points to 28%, the percentage of New Business confirms the surge of emerging countries (China, India), whose clients first and foremost favour “One Time Charge” (OTC) sales rather than yearly rental licences.

Furthermore, increasing market interest in our solutions is shown by the high level of orders booked for emerging products resulting from acquisitions. The integrated packaged Vibro-Acoustics solution VA One © for noise simulation and acoustic comfort, a unique product on this market, that incorporates low, medium and high frequencies, illustrates this success with a strong growth in orders booking.

The percentage of half-year sales recorded from abroad remained stable at 83%. The geographical sales split was as follows: Europe 42%, Asia 42% and America 16%.

Alain de Rouvray concludes: “Our main markets, such as the Automotive and Aeronautical sectors, are facing ever-tighter constraints in terms of production deadlines, manufacturing costs and competitiveness. The substantial upturn in Services activity over our second quarter, which should continue throughout the remainder of the year, confirms increasing market interest for our integrated 2G and 3G solutions and for our high value-added methodological support that most appropriately meets the increasing demands of our industrial corporate clients when it comes to full virtual prototyping and realistic digital simulation.”

The company generated sales of €66m in 2006, employs over 600 high-level specialists worldwide covering more than 30 countries. For further information, visit <http://www.esi-group.com/>.

 [Click here to return to Contents](#)

## Implementation Investments

### ***Air International Doubles Investment in Arena PLM to Enhance Worldwide Collaboration and Supply Chain Management***

19 September 2007

[Arena Solutions](#) announced that Air International Thermal Systems (AITS), a global tier 1 supplier of automotive heating, ventilation, air conditioning and power train cooling systems, has more than doubled its investment in Arena PLM to improve global collaboration and supply chain management across its facilities in Australia, Asia and the United States. The company is leveraging Arena PLM to improve collaboration with more than 800 global suppliers and unify operations across six geographically dispersed locations.

As part of the expanded deployment, AITS added an integration between Arena PLM and SSA ERP LN (formerly Baan ERP) enterprise resource planning (ERP) software. The integration, employed by AITS as part of a strategy to fully revamp its manufacturing IT infrastructure, is now available to all Arena PLM customers. Use of the Arena PLM API Input Adapter at the front end enables the automated upload of CAD data into AITS's Arena PLM workspace. The expansion required no IT resources from AITS and was so smooth that it did not disrupt operations at the newly deployed locations -- or at the existing ones where Arena PLM was already in use. In fact, it was completed and rolled out ahead of schedule.

# CIMdata PLM Industry Summary

---

"Our Arena PLM implementation was done flawlessly, with no interruption to the business. It was the most low-key systems implementation I have ever been involved in," said Gary Phillips, a global service delivery manager for Air International Thermal Systems Pty. Ltd. "As an integral part of our manufacturing IT strategy, Arena PLM will have the most profound impact on the way Air International does business going forward, yet its implementation barely caused a ripple."

With its on-demand model Arena PLM is qualified to satisfy one of Air International's main requirements: a single, shared, global workspace. AITS is addressing the realities of its business with this shared workspace, which would be extremely difficult, if not impossible, to achieve with a client/server PLM system. For instance, more and more of the company's projects have different offices working on different elements of a design and needing other offices or external design partners to be able to access their work. The shared workspace makes this possible -- and extremely easy. It also allows the company to manage a single global supply base, which can be shared across offices and thus enable tremendous cost savings.

"The doubling of its investment in our software is another proof point of the value Arena PLM can provide for a company of the size, scope and importance of Air International," said Michael Topolovac, chief executive officer of Arena Solutions. "Only Arena PLM combines the rich functionality, front- and back-end integrations and on-demand advantage that can help AITS solve its increasingly complex business challenges and maintain its competitive advantage."

## **About Air International Thermal Systems**

Air International Thermal Systems is a global tier 1 supplier of automotive heating, ventilation and air conditioning (HVAC) and power train cooling (PTC) systems based in Port Melbourne, Australia. It has six facilities across Australia, Asia, and the United States. Previously a wholly owned division of diversified industrial group Futuris, the company was established as a joint venture between JP Morgan Partners and Futuris at the beginning of 2005.

 [Click here to return to Contents](#)

## ***Altium Designer Now Used in Canadian Space Research***

18 September 2007

Altium Limited continues its investment in the future generation of electronics designers and engineers, with new donations of software to the University of Toronto Institute for Aerospace Studies, Space Flight Laboratory (UTIAS/SFL) in support of its CanX satellite missions. Altium has supplied Altium Designer unified licenses with a market value of US\$71,960 to UTIAS/SFL to support the graduate lab's research into novel technologies in space. This graduate training will strengthen the Canadian skills base in space systems engineering, dramatically speed up the development of space systems and lower the cost of space missions.

"Altium Designer allows us to develop custom electronics quickly, efficiently and with fewer errors. This tool has been very valuable in keeping the cost of development as low as possible," says the Director of UTIAS/SFL, Dr. Robert E. Zee.

[Altium](#) continues to develop the concept of unified electronics design, in which board layout, schematics design and embedded software, and the flexible functionality inherent in programmable hardware such as FPGAs, are managed as a single design environment.

The UTIAS/SFL students will use the unified embedded design tools and board-level design tools in

# CIMdata PLM Industry Summary

---

Altium Designer to design a range of computer and radio boards for its CanX satellite program.

These programs employ nanosatellites (very small satellites under 10 kilograms) for high performance space missions. The latest satellite—CanX-2—will test a new propulsion system, custom radios, computers, attitude sensors and actuators, and a dual-band GPS receiver. The mission will provide valuable insight and data into novel technologies planned for use in BRITE Constellation (CanX-3, a space astronomy mission) and the CanX-4/-5 precise formation flying mission.

 [Click here to return to Contents](#)

## ***Autodesk Announces SkidTek as Inventor of the Month for September***

17 September 2007

[Autodesk, Inc.](#) announced that SkidTek Limited, an Ireland-based leading designer and manufacturer of modular processing and purifying systems for the pharmaceutical industry, has been named the Autodesk Inventor of the Month for September. The Inventor of the Month program (<http://www.autodesk.com/inventorofthemonth>) recognizes the most innovative design and engineering advancements made by the extensive community using Autodesk Inventor software, which provides the foundation for Digital Prototyping.

"Inventor has played a key role in helping us develop the most sophisticated high-purity modular processing systems on the market," said Mark Lee, business unit manager of SkidTek. "To receive the Inventor of the Month award from Autodesk, which has such a history of innovation and leadership, is quite an honor."

SkidTek manufactures processing equipment in modules -- or, skids -- that are fully assembled at their factory and then installed at the customer site to minimize on-site fabrication. These skids are then used by pharmaceutical customers for everything from solution preparation and compounding, to water purification, cleaning and sterilization cycles, and inactivation of bio-contaminated materials.

The skids often contain extensive amounts of piping, but to keep the size of the skid compact, the pipe runs must be kept as short as possible while still complying with the drainage requirements of sterile processing equipment. Additionally, major components including vessels, pumps, heat exchangers, control cabinets and access platforms must be taken into consideration, and frequently, the skid must be designed around building elements such as walls and columns.

The founders of [SkidTek](#) realized early on that the use of 3D modeling would be a vital element in their ability to design and build these compact pharmaceutical process skids. By using digital prototypes created in Inventor, the company is able to test the form, fit and function of their product before it is built, reducing the necessity for physical prototypes. Their digital prototypes also enable them to conduct virtual design reviews with clients. SkidTek is often able to conduct virtual design reviews via a web meeting, eliminating the need for travel and therefore further reducing costs. Efficiency is improved by decreasing the time to acquire the necessary client approvals. They are generating new business by leveraging digital prototypes in animated videos, which showcase their capabilities to prospective clients.

"The use of 3D digital prototypes created in Inventor allows us to tightly control the design process and catch any interferences ahead of time," said Lee. "As a result, we can validate our design to help predict that the finished product will meet the requirements of the production operators and maintenance personnel who will be using it in their pharmaceutical facilities. We have even taken it so far as to do a

# CIMdata PLM Industry Summary

---

virtual walk-through with the client's occupational health nurse to verify the ergonomics of our designs".

"With Digital Prototyping, companies like SkidTek are able to bridge the gaps that usually exist between conceptual design, engineering, and manufacturing teams, allowing them to create highly specialized solutions for their pharmaceutical customers," said Robert "Buzz" Kross, senior vice president of Autodesk Manufacturing Solutions. "These solutions help ensure that research and discovery efforts within the pharmaceutical industry are as efficient as possible, which makes it a pleasure to name SkidTek as our September Inventor of the Month."

About the Autodesk Inventor of the Month Program

Each month, Autodesk selects an Inventor of the Month from the more than 600,000 users of Autodesk Inventor software. For more information on Autodesk Inventor of the Month, contact

[IOM@autodesk.com](mailto:IOM@autodesk.com).

 [Click here to return to Contents](#)

## ***China Aero-Instrument Deploys Windchill® Solutions to Standardize Key Business Processes***

17 September 2007

[PTC](#) announced that Chengdu Aero-Instrument Co., Ltd (CAIC), a leading China-based aviation equipment manufacturer, has adopted PTC Windchill as the central component of its collaborative product development system. The Windchill-based system will help CAIC unify disparate technology systems while improving decision making and driving business improvements for key processes such as project management and manufacturing process management. CAIC expects Windchill to play a significant role in helping the company achieve faster and more responsive design, testing, and manufacturing.

CAIC's long-term strategy, "E-CAIC," began by eliminating manual processes associated with its design, manufacturing, and management processes through targeted IT investments, process reengineering, and enhanced R&D capacity. The explosive growth of digital information and increased reliance on geographically dispersed team members has highlighted CAIC's process inefficiencies. After two years of comprehensive analysis, CAIC's product data management (PDM) group selected Windchill because of its integral database, consistent user experience, and interoperability with other applications.

With Windchill, [CAIC](#) now has a single data management platform based on a complete, unified product structure inclusive of all associated product development content. Employees are able to easily access necessary data while sharing content and knowledge in a secure, protected environment.

Additionally, all product development processes will be managed by Windchill PDMLink®, effectively integrating all R&D processes related to product development. With Windchill, CAIC has gained standardized project definition, implementation and control activities, while shedding repetitive design steps and product development costs.

"We consider production innovation the blood of sustainable development, and product development processes the life of our company," said Zhu Jiansheng, president and general manager, CAIC.

"Windchill has proven to be a successful solution in product digital definition, R&D automation, and Web-based collaboration."

"As a leading manufacturer of aviation products, CAIC has achieved remarkable results from the

# CIMdata PLM Industry Summary

---

digitization of their product development processes. CAIC thoroughly understands and appreciates the value derived from consistent, standardized, and optimized processes,” said Richard Prince, director, vertical market strategy for aerospace and defense, PTC. “PTC is committed to supporting the realization of the E-CAIC vision and the application of best class solutions for R&D, project management, and secure collaboration.”

 [Click here to return to Contents](#)

## ***City of Magdeburg, Germany, Joins Bentley’s Municipal License Subscription Program***

19 September 2007

Bentley Systems, Incorporated announced that the city of [Magdeburg](#), Germany, has joined Bentley’s Municipal License Subscription (MLS) program. The city will use its new MLS to further expand services to its almost 230,000 citizens – highlighted by enhanced city planning data and a wider variety of thematic maps on Magdeburg’s public Web portal. All of this is made possible through the city’s deployment of Bentley solutions for local governments.

Bentley’s MLS offers municipalities all the software they need to design and manage all their infrastructure for a fixed annual fee based on population. The breakthrough program enables them to improve productivity and reduce administrative costs by outfitting their entire mapping and engineering organizations with fully integrated software for GIS and engineering workflows. This leads to improved services and more efficient government.

Said Udo Seipold, project manager, Internet/GIS Team of KID Magdeburg, the city’s outsourced IT department, “Magdeburg has long relied on a number of Bentley’s products and solutions for its infrastructure design and management needs. MicroStation, ProjectWise InterPlot, Bentley Geo Web Publisher, Bentley Descartes, Bentley I/RAS B, and InRoads are all critically important to the city’s departments for everything from preparing data for Web services to land-use planning, plotting maps, road cadastre, city park maintenance, and the list goes on.

“As you can imagine, the administrative work involved in managing all that software for all those tasks was quite demanding. Someone had to constantly check to see which staff members were using what licenses and then juggle priorities if requests for new deployments exceeded available licenses. And anyone looking to purchase new software could wait a year or more for budgetary approval.”

Continued Seipold, “With our new MLS, all of these problems have disappeared. Licenses are immediately available to meet staff members’ needs – no matter how many licenses are already in use. And beyond the initial budget approval for the program, no signatures are needed to acquire additional software applications.”

Bentley’s MLS program provides municipalities with unlimited access to a comprehensive portfolio of integrated GIS and engineering software for all of their infrastructure, including:

- Public works – roads, bridges, potable water, wastewater, and storm water infrastructure
- Land development
- E-government
- Light rail design
- Community broadband

# CIMdata PLM Industry Summary

---

- Electric and gas network design
- Water and wastewater treatment plant design
- Urban planning
- Cadastre management
- Public safety
- Municipal building design
- Mapping and 3D modeling

Because program fees are fixed, Bentley's MLS guarantees predictable software costs and budgeting. In addition, it removes the administrative burden of complex software licenses, shortens procurement cycles, speeds project starts, and ultimately leads to more efficient government.

Added Seipold, "Our ability to acquire additional software applications without paying more money makes it very easy for us to try out new solutions. It means that we have everything to gain and virtually nothing to lose from a pilot application. As a result, Magdeburg already has a number of new deployments queued up, including two new InRoads seats, speedikon products for some of our architectural needs, 10 additional Bentley Geo Web Publisher seats, some Bentley PowerMap Field licenses for data processing in the field, as well as MicroStation TriForma and InRoads Suite."

For more information about Bentley's MLS program initiative and software or to contact a Bentley representative, visit <http://www.bentley.com/MLS>.

 [Click here to return to Contents](#)

## ***Designed in SolidWorks, Foster Refrigerators Take a Licking and Still Keep Chilling***

17 September 2007

One of the largest commercial refrigerator manufacturers in Europe is using SolidWorks® 3D CAD and COSMOS® design analysis software to develop units that take a beating every day in industrial kitchens and other foodservice environments around the world. [Foster Refrigerator](#) has cut development time by as much as 50 percent, and reduced prototyping costs by as much as 30 percent after standardizing on SolidWorks software.

For more than 40 years, Foster Refrigerator has set new benchmarks for a broad range of products including blast chillers and freezers, refrigerated storage cabinets and counters, walk-in cold rooms, refrigeration systems, prep stations, ice makers, water coolers, and special refrigeration and temperature monitoring equipment for professional bakers. The company standardized on SolidWorks to speed new product design and reduce costs for the hundreds of different customized models it sells.

"Our products don't get much respect in the average restaurant kitchen," said Andrew Hodges, senior development engineer at Foster. "Kitchen staff only care that they work. So we have to make sure they're durable, that they perform as we say they will, and that they meet the unique space and temperature needs for every customer. SolidWorks gives us the accurate design visualization, sheet metal capabilities, and table-driven modeling to constantly improve our products so they continue to perform to our customers' demanding expectations."

Using SolidWorks has enabled Foster to cut sheet metal design time in half and reduce the number of

## CIMdata PLM Industry Summary

---

prototypes it builds from three to one for most every project, streamlining time to market and significantly reducing costs. The software also makes it easy for Foster to generate the geometry and other data needed for manufacturing, accelerating production and reducing the typical back-and-forth between designers and manufacturing engineers. “SolidWorks paid for itself in less than two years. That ROI, along with a rich feature set, is why we chose SolidWorks after an intense evaluation,” said Hodges.

Foster uses COSMOSXpress™ design analysis tool to test the load strength of brackets and similar features to make sure they can stand up to the hundreds of times doors are opened and shut in restaurant kitchens. The company also uses [SolidWorks PDMWorks®](#) Workgroup product data management software to securely store all design information, maintain version control, and allow multiple engineers to work concurrently on one design.

“Refrigerators may seem like an afterthought in industrial kitchens, but their reliability and durability are absolutely crucial,” said SolidWorks Marketing Manager, Europe Simon Booker. “Foster refrigerators have an industry reputation for performing at their best day in, and day out, despite the constant use. That’s attributable to quality design, and a passion for getting it right every time.”

Foster Refrigerators relies on authorized SolidWorks reseller [Solid Solutions Management](#) for ongoing software training, implementation, and support.

 [Click here to return to Contents](#)

### ***First Milk Chooses IFS Applications to Help Streamline Its Supply Chain***

18 September 2007

[IFS](#) announced that Britain’s largest UK- farmer-owned business First Milk, has selected IFS Applications to provide full integration of all critical business processes and optimize production across its cheese division sites nationwide. In a deal worth US \$3million, IFS Applications will be deployed in the eight creameries and packing plants over nine months.

IFS Applications will integrate First Milk’s formerly disjointed business systems and processes, including warehouse management, financials, forecasting and payroll, enabling centralized control of operations and providing a new level of visibility across the entire enterprise and supply chain. Real-time reporting on cheese production, maturation, packaging and dispatch will also enable First Milk to respond with much greater agility to inevitable variations in milk supply and customer demand—ensuring business performance is consistently at an optimal level.

According to First Milk’s Group Head of IT Alan Hutchison, IFS was chosen over other ERP providers such as SAP because its solution delivers seamless integration, is easy to use and quick to implement, and demonstrated unmatched functionality during the selection process. In addition, Hutchison said that IFS Applications is best able to handle the challenges of the cheese supply chain, especially product lifecycle management. “The central challenge of cheese production is accurately forecasting demand 18 months out from actual delivery to customers, matching this with supply from farmers, and keeping track of the different maturation levels of thousands of tonnes of cheese. In First Milk’s case this challenge is even greater because most of our customers are major supermarkets, which only provide one day’s notice for orders. The ability of IFS Applications to handle the company’s long-term and short-term production planning requirements within one system was a key reason behind our decision to implement it,” said Hutchison.

# CIMdata PLM Industry Summary

---

Commenting on plans for the future, Hutchison said, “The plan is to roll out IFS Applications across our milk operations and ingredients divisions as well.”

Paul Massey, Managing Director of IFS UK, said, “As the UK’s largest dairy farmer co-operative, First Milk’s decision to implement IFS Applications in its cheese division is a powerful endorsement of the solution, and represents a major step in our continued growth in the food industry. We look forward to working with First Milk, assisting it with the ongoing streamlining and integration of its operations, and helping it to continue providing high quality cheese to supermarkets and other retailers around the UK.”

The process industry is one of IFS’ seven targeted markets. IFS provides industry-specific functionality for enterprises in food and beverage, chemicals, pulp and paper, and metals segments. IFS Applications for the food & beverage industry provides support for all critical business processes, including batch balancing, recipe management, quality management, and demand planning supporting domain specific needs like multiple units of measure and catch weight. The application suite includes a complete asset as well as product lifecycle management solution. IFS customers in the food & beverage industry include Pepsi, Iams, V&S Absolut Spirits, Heaven Hill Distilleries Inc, Cloetta-Fazer and Kettle Foods. Other IFS process industry customers include DuPont, Jotun, SICPA, XSYS Print Solutions, Willamette Valley Company, Akzo Nobel, Becker Industrial Coatings, SSAB, Hutmen, Stora Enso, Holmen Paper and SCA Graphics.

## About First Milk

First Milk is the largest dairy farmer co-operative in the UK. Its members’ farms stretch from Central Scotland to the South of England and from West Wales to East Anglia. The business has three divisions: Milk Operations; Cheese; and Ingredients.

Milk Operations handles approximately two billion litres of milk per annum from around 2800 producers. This milk is supplied to First Milk's cheese business and to many of the leading names in the industry. First Milk Cheese Company is the largest UK-based cheese supplier.

First Milk's Ingredients business supplies a range of customers with milk powder and whey products for functional foods, protein drinks, pro-biotics, pre-biotics, pharmaceutical, bakery and confectionary products.

 [Click here to return to Contents](#)

## ***KTM Sportmotorcycle’s RC8 Superbike Gets Ready for the Street with Simulation Solutions from Dassault Systèmes***

18 September 2007

Dassault Systèmes ([DS](#)) announced that KTM Sportmotorcycle AG, the premium brand in the off-road sport motorcycle market and second largest European motorcycle manufacturer, is improving the evaluation of product performance and reliability through the use of Abaqus Unified Finite Element Analysis (FEA) software from [SIMULIA](#).

“With our Ready-to-Race philosophy, it is critical that our street motorcycles meet the performance expectations of our customers, without weight or quality penalties,” stated D.I. Gunther Hager, R&D Teamleader Engine Structural Analysis, KTM Sportmotorcycle AG. “For the launch of our new Superbike RC8, which will be available to the market in the spring of 2008, we are using Abaqus software to evaluate thermal behavior, noise and vibration, structural performance of assemblies, and stress-based fatigue. This integrated simulation process gives us a better understanding of the physical



behavior of our products during the design phase.”

[KTM Sportmotorcycle AG](#) is using Abaqus Unified FEA software for all applications in engine and chassis development. The software is used to analyze the stiffness and flexibility of vehicle frames and engine systems, including gaskets, pistons, and headblocks. KTM is also using AVL Excite, which leverages Abaqus technology to study crankshaft dynamics that influence noise and vibration.

“Our Unified FEA solutions help high-performance companies like KTM Sportmotorcycle AG develop innovative and market-winning products,” stated Ken Short, vice president SIMULIA strategy and marketing, Dassault Systèmes. “The use of our realistic simulation technology to evaluate the full range of physical attributes ensures that our customers get the best performing products to market on time and on budget.”

SIMULIA’s scalable suite of Unified FEA products allows users to collaborate seamlessly, sharing simulation data and approved methods across multidisciplinary workgroups.

 [Click here to return to Contents](#)

## ***Le Coq Sportif Selects Centric Software to Manage Apparel and Footwear Product Lifecycles***

17 September 2007

Centric Software announced that [Le Coq Sportif](#), one of the most popular sportswear brands worldwide, has purchased the Centric application suite for apparel to manage the design, development and introduction of its footwear and apparel collections. Le Coq Sportif chose the Centric apparel suite because it is the first online solution for the apparel industry that offers collection and line planning, as well as product specification and product sourcing.

“Bringing new collections to market each season has been a challenge unique to the apparel industry and the pace of this cycle has increased in recent years,” said Chris Groves, president and CEO of Centric Software. “To cope with this pace and assess collection profitability during rapidly changing seasons, this industry can benefit from dedicated planning and business analytical tools that many other industries use to predict and improve business performance.”

“In order to expand our business and successfully enter into new markets, we need web-based applications that support our processes and enable up-to-the minute collaboration for our global teams,” said Nicolas Menrath, VP operations at Le Coq Sportif. “After thorough research of all competitors, we chose Centric’s application suite because it was the only PLM solution that integrates line planning and product sourcing along with traditional product specification functionality. Centric’s applications will enable us to manage more lines and gain better visibility into the entire collection process, so we can successfully introduce more collections per year and obtain our aggressive growth objectives.”

“Among all the vendors addressing the apparel market, Centric is the only vendor with the core capability of combining product and business information from ERP and other systems,” said Chris Groves. “We recognized a need for this expertise in the apparel industry, and have built Product Intelligence applications from the ground up that deliver multi-level visibility into the key performance metrics for sales, forecasts, calendars, costs, margins, status and suppliers as well as product specifications. For the first time, apparel companies can coordinate better decisions with timely execution on all items in multiple collections.”

The [Centric](#) application suite for apparel (see “Centric Software Delivers First Apparel Suite with Operational Performance Management” [press release](#)) is an integrated solution that consists of three

# CIMdata PLM Industry Summary

---

web-based applications designed to improve overall season profitability and speed time-to-market by providing immediate visibility into costs, forecasts, orders, calendars, suppliers and product specifications. The three applications manage technical product specifications (Centric Product Specification), supplier performance and sourced product management (Centric Product Sourcing), and calendar and line planning (Centric Decision Center).

Built upon Centric's innovative Product Intelligence™ technology, the suite combines powerful PLM capabilities with proprietary data aggregation functionality integrating powerful business logic rollup, product specification management and handoffs. The unique combination of capabilities allow executives and multi-disciplinary teams to collect all relevant information for any product initiative, decide on appropriate action, execute to plan and assess progress against business goals.

 [Click here to return to Contents](#)

## ***Leading Utilities and Communications Organizations Worldwide Adopt Intergraph G/Technology***

19 September 2007

With more than 60 successful migrations from FRAMME to G/Technology™, the solution from Intergraph Corp. that integrates geofacilities management with operational support and service delivery applications, leading utilities and communications organizations worldwide are driving efficiency by leveraging industry best practices. G/Technology is built as an open, standards-compliant, spatially-enabled data management system based on Intergraph's expertise in the electric, gas, pipeline, water, and communications industries.

Among the organizations realizing the benefits of G/Technology are:

**Central Vermont Public Service** – CVPS, the largest electric company in Vermont, serves more than 158,000 customers in 152 communities.

**HNG Midt-Nord** – HNG distributes natural gas in the Greater Copenhagen (Denmark) area. In Central and North Jutland, natural gas is distributed by Naturgas Midt-Nord, a municipally owned partnership.

**KPN** – KPN provides telephone, Internet and television services to personal customers in The Netherlands. It provides a range of services, from voice, Internet and data services to full-managed outsourced ICT solutions, in The Netherlands and internationally, as well as mobile services in The Netherlands, Germany, Belgium and western Europe. KPN serves 6 million wireline voice subscribers, 8.7 million mobile customers, 2.3 million Internet customers and 0.3 million TV-customers in the Netherlands as well as 15.6 million mobile customers in Germany and Belgium.

“While FRAMME has served the company well over the past 10 years, the time had come to look for its replacement,” said Julie Congdon, project coordinator, senior application system analyst and software developer. The team investigated products offered by two of the industry's leaders in geographic information systems. Fact-finding workshops were conducted with each company. The team then evaluated “scope of work” contracts and contacted references to compare the two companies. “As a result of this due diligence, Intergraph emerged as the clear choice to continue as our GIS provider,” Congdon said.

“G/Technology is built on Intergraph's knowledge of utilities and communications company best practices, addressing the needs for cost containment, process improvement, systems integration, customer base retention, and new service opportunities. Adoption of G/Technology continues to gain momentum, confirming that leading organizations aspire to a truly open, standards-based technology

## CIMdata PLM Industry Summary

---

with strong emphasis on integration. These organizations understand the value of technology that provides a seamless workflow among applications that plan, construct, and maintain a company's supply network," stated Jay Stinson, vice president, Intergraph Utilities & Communications. "Intergraph designed the suite with an emphasis on configurability, return on investment, and role-based permissions, allowing organizations to benefit from the collective best practices of their industry peers."

G/Technology delivers faster and easier data access, lower cost of ownership, and easier administration while speeding reporting, eliminating connectivity errors, and reducing time to update maps. Spatial reporting is exponentially faster in G/Technology: a project requiring 3 days to produce with FRAMME takes approximately 30 minutes with G/Technology, including reporting or mapping consumers within a certain distance along a conductor. As a benefit of designing new jobs in G/Technology, regulatory reporting of new assets becomes more accurate and easier.

For more information on G/Technology, visit <http://www.intergraph.com/gtech/default.asp>.

 [Click here to return to Contents](#)

### ***MediaTek, Inc. Adopts Mentor Graphics Formal Verification Technology for Next Generation Designs***

18 September 2007

[Mentor Graphics Corporation](#) announced that MediaTek has selected the [0-In® Formal Verification](#) technology for its functional verification methodology. MediaTek chose the 0-In Formal Verification technology to make it an integral part of their verification flow for their next generation design projects.

MediaTek's complex multimedia designs require thorough verification at the RTL level to confirm interface compliance and the functionality of control logic. MediaTek uses the 0-In Formal Verification technology for bug hunting, which is the process of pinpointing errors during functional verification and analyzing assertions that focus on verification hot spots.

"There is an evolution in designers' work that is moving towards increased verification requirements," said Robert Hum, vice president and general manager of Mentor Graphics Design Verification and Test division. "To address these needs, designers need to adopt early, aggressive formal methods to reduce design cycles and improve design quality. 0-In Formal Verification technology has a proven track record of delivering the capability, performance and features needed to complete this critical task."

 [Click here to return to Contents](#)

### ***Megayacht Designer Arthur M. Barbeito Implements Dassault Systèmes' CATIA to Streamline Design Processes***

20 September 2007

Dassault Systèmes ([DS](#)) announced that Arthur M. Barbeito & Associates, Inc., one of the world's premier luxury yacht designers, has chosen DS's CATIA design authoring software as its primary design platform. RAND North America, Dassault Systèmes' partner, worked in close consultation with Barbeito to find the solution that best streamlined Barbeito's design and manufacturing planning processes. CATIA will consolidate in one solution the functionality its engineers currently struggle to access by switching between several different applications.

Barbeito & Associates specializes in highly customized 50-160 meter megayachts with luxury interiors.

## CIMdata PLM Industry Summary

---

The company will use CATIA for every facet of yacht design, including hull design, steel structure design, piping and interior design. It also plans to use the DELMIA digital manufacturing solution for communicating production information with the shipyards that build Barbeito's designs.

"We were wasting a lot of time going to one application for conceptual surface design, then another for the steel detailing, and another for the piping and equipment," said Arthur Barbeito, company founder and president. "The different systems also multiplied the time it took to modify a design because a change in one system had to be manually repeated in the others. With CATIA, we have all of our essential functionality in one system. We expect CATIA's combination of advanced design functionality and scalability to make us more efficient by orders of magnitude."

The designer recently partnered with Wuhan Nanhua High-Speed Ship Engineering Co., a Chinese shipyard that uses Dassault Systèmes' CATIA design authoring software. The single platform collaboration between designer and shipyard, a result of the shipbuilding industry's continuing adoption of Dassault Systèmes' advanced PLM technology, is anticipated to yield significant efficiencies.

"Barbeito's designs have to combine space-age engineering with elegant aesthetics. CATIA's integration and range of functionality will give Barbeito's staff more flexibility to create innovative designs that meet their clients' expectations," said Dan Smith, vice president, business development, RAND North America.

 [Click here to return to Contents](#)

### ***NASCAR® NEXTEL Cup Series Chase for the Championship Begins: UGS PLM Software Technology Sponsored Race Teams Win Seven of 12 Spots Including Top Four***

19 September 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)) announced UGS PLM Software-sponsored racing teams Hendrick Motorsports, Joe Gibbs Racing and Roush Fenway Racing – whose cars are developed with the help of UGS PLM Software technology – won seven of the top 12 spots including the top four in the NASCAR® NEXTEL Cup Series Chase for the Championship.

Hendrick Motorsports drivers Jimmie Johnson, Jeff Gordon and Kyle Busch made the Chase for the second consecutive year and will start in first, second and ninth place, respectively. Leading up to the Chase, Johnson, the 2006 NEXTEL Cup champion, had 15 top-5 finishes and six wins including the last two races; Gordon, a four-time NEXTEL Cup Champion, had 15 top-5 finishes and four wins; and Busch, who holds the record for the youngest race winner in NASCAR NEXTEL Cup Series, had six top-5 finishes including a win.

Joe Gibbs Racing drivers Tony Stewart and Denny Hamlin will start the Chase in third and sixth place respectively. This will be Hamlin's second consecutive year to make the Chase. Stewart, the 2005 NEXTEL Cup Champion and winner of the 2002 Winston Cup title, has 10 top-5 finishes and three wins and Hamlin, the first rookie to win the Budweiser Shootout in its 28-year history, has 10 top-5 finishes including a win.

Roush Fenway Racing drivers Carl Edwards and Matt Kenseth each secured a spot in the Chase for 2007. Edwards is in his second NASCAR NEXTEL championship chase and is tied with Kurt Busch for fourth. He has seven top-5's and 11 top-tens and two wins. This is Kenseth's fourth consecutive year in the Chase and he is tied for sixth going into the first race of the 10-race Chase. Kenseth, the 2003 NEXTEL Cup champion, has eight top-5 finishes, 16 top-tens and one win at California Speedway.

# CIMdata PLM Industry Summary

---

“UGS PLM Software congratulates Hendrick Motorsports, Joe Gibbs Racing and Roush Fenway Racing and their drivers for making the Chase for the Championship, and we wish the teams good luck,” said Dave Shirk, executive vice president of Global Marketing for UGS PLM Software. “UGS PLM Software and sponsored racing teams share a common culture of teamwork and a relentless pursuit of excellence, pieces that are integral for success. UGS PLM Software is proud of our relationship with the racing teams and along with our customers are pleased to know that our solutions help the teams consistently deliver wins to continue to stay on top of the pack and go for the championship.”

 [Click here to return to Contents](#)

## ***Omnify Software Helps Intelligent Manufacturing Solutions Streamline Communication and Collaboration Process With OEM Customers; PLM Solution Provides a Single Environment for Both Parties to Create and Change Product Information***

17 September 2007

[Omnify Software](#) announced that Intelligent Manufacturing Solutions (IMS), a full service Electronics Manufacturing Services (EMS) provider, implemented Omnify Software to create a streamlined communication and collaboration process with their Original Equipment Manufacturer (OEM) customers and become a true extension of their customers' product development team.

"Communication with our OEM customers is vital to our success as an EMS provider," stated Ray Marshall, president of Intelligent Manufacturing Solutions. "Omnify allows seamless, immediate communication between the OEM engineering community and IMS. When both the customer and IMS leverage Omnify Software, we are able to participate, at the sourcing level, in preliminary BOM reviews, new part requests and ECO workflows."

With competitive pressures locally and offshore, IMS needed to increase their value-add to provide the highest level of service to their customers. IMS recognized that Omnify's PLM system could facilitate this by providing a single environment for creating and changing product information and enabling vital product data to be easily shared between IMS and their customers. IMS now has the ability to act as a working extension of the customer within the Omnify PLM environment, delivering streamlined manufacturing, material sourcing, and operational services. Since Omnify enables IMS to become part of the engineering change notification process, engineering changes become effective immediately. IMS is able to instantly and clearly understand change requirements and how they may affect work in progress, finished goods or staged orders. "Because this notification is immediate, there is a 100% reduction in ECO notification time," confirmed Mr. Marshall.

[IMS](#) also leverages OmniBOM, Omnify's Bill of Material (BOM) management and processing tool, to convert customer BOMs from many different formats to Excel. OmniBOM provides a clear, concise view of all changes to the BOM. BOM compares are used to catch changes in the BOM from the customer, down to a single digit change in the manufacturing part number. "OmniBOM is one of our most valued daily use documentation tools and, without a doubt, greatly enhances documentation communication with our customers," said Marshall.

"Leveraging Omnify is mutually beneficial for IMS and their customers by eliminating paper-based processes and creating a controlled environment to manage product data," stated Chuck Cimalore, CTO for Omnify Software. "Both parties can realize significant time-savings, reduced scrap and re-work, and decreased operational costs."

 [Click here to return to Contents](#)

## ***Pfizer Selects printLogic from Coastal Logic as its MatrixOne Batch Printing Solution***

19 September 2007

Coastal Logic, Inc. announced that Pfizer, Inc. will be deploying printLogic as their MatrixOne batch printing solution.

Pfizer is the world's largest research-based biomedical and pharmaceutical company, earning \$48.4 billion last year. Founded in 1849, Pfizer is dedicated to better health and greater access to health care for people and their valued animals. Pfizer will be providing regulated, enterprise-wide batch printing to their users by supplementing their Matrix environment with printLogic.

printLogic will allow Pfizer's users to print over 450 file types directly from their Matrix databases without using the native application to first open or view the file. Printed files can be automatically stamped with metadata based on multiple stamp templates created by the Matrix administrator. Using printLogic's simple point-n-click interface, administrators comprehensively control all printing and metadata stamping settings, all of which are layered on top of Matrix privileges. Through these and additional functionalities, printLogic helps companies increase efficiency, reduce costs, and attain regulatory compliance.

 [Click here to return to Contents](#)

## ***Process Oriented SAP PLM Document Distribution: Creating Solutions at HSM***

10 September 2007

"Innovation and quality" is the motto of the machine manufacturing company HSM with headquarters in Salem and three other plants in Germany and Slovakia. Paper shredders, cutting machines, baling presses, waste disposal systems and crushers for PET bottles (Polyethylene Terephthalate) are the focus of a solution portfolio, which consist of standard products and customer specific solutions.

In connection with an enterprise-wide SAP introduction, engineering processes are mapped with SAP PLM. The package and delivery of documents comes from SEAL Systems.

The requirements were simply defined: „We want all documents from all important business processes to be generated and delivered in one single step." Another request involved the automatic generation of all documents for order-related production. This means: packaged print of the SAP production papers and related drawings and documents from the engineering modules. The same applies for additional procurement information, where applicable to the order.

The SEAL Systems modules for integrated SAP process output together with the market leading document output management solution PLOSSYS® netdome fit perfectly as the correct solution. Additionally, output processes for interactive work with the SAP DMS and bill of material modules "all documents for a BOM" was integrated. All print formats for documents are, besides the SAP forms, the standardized formats TIFF/G4 and PDF. Older legacy data are stored partially in raster format, while actual drawings are stored automatically also as PDF in the SAP document management system.

The implementation schedule was also very narrow at the time of selection. The solution from SEAL Systems was installed within short notice in two stages. At first, installation took place for the standard product and the adaptation of the print programs was discussed. In the second and last turn, fine tuning

# CIMdata PLM Industry Summary

---

was performed and the customer staff was trained to use the applications.

Since April 2007 the solution is being used in a productive environment. In a small extension the selection of printable files was enhanced with the formats .DOC and .XLS for Microsoft Word and Excel.

Florian Neuwirth is the project manager at HSM: "SEAL Systems was recommended by our introduction partner All-for-One. Good advice, because the solution from SEAL Systems optimally fits our conceptual formulation and the service from SEAL Systems was really good.

On the first go-live day it was quite hectic and messy, but we were helped very quickly and since then everything has run smoothly.

Through the integrated SAP PLM we have a network of documents from logistics to engineering. When these are used, and printed automatically: they are delivered quickly and in the correct order. No searching, waiting and sorting anymore.

The responsible project engineer from SEAL Systems, Thomas Lindner, commends the cooperation. A compact and diligent team, consisting of customer effort and of SAP introduction partners provided easy work for SEAL Systems. Everything was perfectly prepared as agreed. So we were able to accomplish the customer's time table and offer a fixed economical price.

 [Click here to return to Contents](#)

## ***PTC® Pro/ENGINEER® Helps Designcraft Create The Amphibian™ – The World's First Dynamic Scuba Fin***

18 September 2007

[PTC](#) announced that [Designcraft Inc.](#), specialists in high quality industrial design models, engineering prototypes, high speed CNC Machining, 3D visual models and product development used Pro/ENGINEER® exclusively to complete the design of the Amphibian dynamic scuba fin, the world's first fin made for total mobility in and out of water. The design project was commissioned by [Omega Aquatics](#), an entrepreneurial growing company that focuses on the development of innovative aquatic products. Designcraft used Pro/ENGINEER, PTC's 3D integrated CAD/CAM/CAE solution, including its powerful surfacing and styling capabilities for the entire design process of the Amphibian scuba fin.

Scuba fins are not designed for walking, and putting them on before entering the water has traditionally presented a challenge for both novice and experienced divers. Omega's founder, Ronen Moyal, an experienced veteran of the Israeli special forces, recognized the need for a fin that was maneuverable both in and out of the water to eliminate the risk of military divers drifting away as they attempted to put on fins in the water while fully loaded with scuba gear. The Amphibian fin is uniquely designed to be strapped on prior to entering the water and removed after exiting, and allows divers to walk while wearing their scuba fins.

Designcraft uses PTC Pro/ENGINEER as its standard 3D CAD/CAM/CAE software for all product design. Using Pro/ENGINEER, Designcraft developed and prototyped the two-piece fin brought together by a special hinge that allows the webbed blades of the fin to be kept in the up or walking position until swimming in the water. Torsion springs push the soft blade webbing against the shin to allow divers to easily maneuver in and out of the water. The blades are locked into swimming position by a simple kick in the water.

# CIMdata PLM Industry Summary

---

“Omega Aquatics brought us an innovative concept in rough 2D sketches. Pro/ENGINEER allowed us to interpret and develop the idea into a 3D solid model that could easily be modified throughout the iterative design process,” said Casey Stahl, lead designer, Designcraft. “Initial design and development was completed in less than six months enabling Omega Aquatics to revolutionize the diving industry with the first dynamic scuba fin. The initial design has evolved since its debut but because everything was designed in Pro/ENGINEER, it’s been easy to incorporate modifications without impacting production.”

“Leading companies around the globe leverage the powerful capabilities of PTC solutions to help drive innovation, improve product development processes and shorten time to market,” said Michael Campbell, vice president, product management, PTC. “The successful collaboration between Omega Aquatics and Designcraft demonstrates the value that Pro/ENGINEER provides to companies of all sizes.”

 [Click here to return to Contents](#)

## ***Pulse Global Relies on CoCreate Software for ABC's 'American Inventor'***

20 September 2007

CoCreate Software, Inc. celebrated the accomplishments of Pulse Global to achieve seemingly impossible deadlines on national television with the support of CoCreate OneSpace Modeling.

ABC's hit show 'American Inventor' is one of the most compressed product development timelines a design firm may ever face. The development cycle starts with being selected only hours before participating on the show and ends in just 3.5 weeks.

"We were given a two sentence description for each of the different inventions the day before we met the inventors. From that, we created concept sketches of what we thought the different product ideas might be. We even went so far as to rough out some CAD models to start thinking about manufacturing approaches," said Tim Nugent, Pulse Global founder and partner.

"When we met the six different finalist teams the next day we presented our company's product development capabilities. The natural dynamics we had with some of the inventors caused us to stand out from the many different design firms competing for contracts that day."

"We were selected by two different teams to finalize design concepts for 'The Claw' bicycle storage mechanism and the 'Wrap-a-Way' gift wrapping station into production ready prototypes in just 3.5 weeks. The time compression was crazy."

Winning two contracts for the show doubled the demands upon Pulse Global and the eyes of the American TV audience were watching. In order to meet the show's demanding timeline, Pulse Global's other founder and partner, Alan Fujii, switched from using a history-based 3D CAD system to the Dynamic Modeling based approach of CoCreate OneSpace Modeling.

"Speed was required to do the show and I don't think we could have done what was needed using a history-based 3D CAD system -- it just takes too much time," said Fujii.

Fast, innovative design is what Pulse Global offers to their customers and 'American Inventor' put the design firm to test.

"Everything is about speed and how we compress the timetable for our customers. Key to our success is the ability to move and evolve an idea quickly. So in regards to the 'American Inventor' show, one



## CIMdata PLM Industry Summary

---

product needed a facelift in 24 hours. We had originally scheduled 4 days for doing the 3D design but I knew that I could get the CAD work done overnight and buy more time for prototyping," said Nugent.

Evolving an idea quickly is critical to the innovation process, allowing companies to rapidly learn and respond within new product development. That comes from having the ability to rapidly perform multiple iterative design cycles within the development schedule.

"In order to be an effective source for innovation we have to be able to explore a multitude of ideas quickly, which requires tools having the ability to move fast," said Nugent.

'American Inventor' is a true test of a design firm's capability to perform under pressure while celebrating the spirit of innovation.

"One of the great things about American Inventor was that it allowed us to show how fluid our development process is," said Nugent.

"We did so many things in parallel to hit the timeline. Some people would be working on the design to finish mechanical components. Others would be taking CAD data to make parts on our in-house manufacturing equipment. While others would be creating quick prototypes to validate the design, as yet another would be creating the tooling."

"The timeline for American Inventor was so compressed that it really highlighted the strengths of OneSpace Modeling. We couldn't have done this without CoCreate. The 'American Inventor' experience made me a believer," said Fujii.

To learn more about Pulse Global, visit: <http://www.pulse-global.com/>

 [Click here to return to Contents](#)

### ***Renault's Championship Formula One Team Powered by Oracle Content Management***

September 2007

From its headquarters in England to the final checkered flag in Brazil, championship ING Renault Formula One (F1) team has turned to Oracle content management solutions (formerly Stellent) to manage, share, and secure its most critical documents.

Content management may seem foreign to the world of high-performance motor sports, but according to Alexandre Rigal, IS project manager, ING Renault F1 Team, it's become a vital piece in a very complex puzzle.

"We are an information-heavy organization, where the slightest bit of data can be the difference between winning and losing," Rigal says. "We are confident that we have an ECM platform that will help us stay in the lead."

#### **Business Challenge**

To keep the ING Renault F1 team operating at peak performance, Rigal and his teammates must wrangle more than 100,000 documents (80 GB of data) shared across two factories and two mobile teams, as well as numerous subcontractors and partners across the globe.

The team also needs access to vast stores of unstructured and structured information, even in the split-second environment of a Grand Prix pit stop. Over just one weekend during the 2006 British Grand Prix, the ING Renault F1 Team had to create and share 4 GB of data, including 150 documents containing car

# CIMdata PLM Industry Summary

---

designs, technical specifications, and other important testing and race data.

All this unstructured information used to be stored in a dispersed network of shared drives, local hard drives, e mails, intranets, and Web applications.

"We realized that we were wasting too much time searching for documents and correcting errors because we could not keep track of versions or track changes," says Rigal.

## Up to Speed

After a lengthy evaluation process of content management vendors, the ING Renault F1 team chose Oracle. For a team obsessed with speed, rapid deployment and ease of use (and therefore faster adoption) were key factors in selecting the Oracle solution.

Now team members can access documents and information from multiple locations via VPN as well as the intranet. And advanced search capabilities, including support for metadata, retrieve documents more rapidly and with greater precision—especially important on race weekends when time is of the essence.

By providing a single, unified repository, the Oracle solution also dramatically reduces the amount of complex and sensitive data circulating as e-mail attachments. Instead, team members simply send links to files in a central repository, reducing duplication of enormous files while also better ensuring accuracy and version control.

## The Secret of Their Success

For Formula One teams, trade secrets are indispensable to victory. To safeguard highly sensitive information such as car designs and technical specifications, the ING Renault team turned to Oracle Information Rights Management (IRM), formerly Stellent SealedMedia.

With Oracle IRM, only authorized team members can access, view, send, and receive sensitive material—even if the documents and e-mails leave the Oracle Universal Content Management repository. Content is encrypted, or “sealed,” associating each with a set of policies and providing a digital signature to defend against tampering and unauthorized viewing.

An easy-to-install IRM Desktop application then enforces these policies on end-user systems, integrating seamlessly with the Windows environment and Microsoft Office and other critical applications.

Now that the Oracle solution is in place, what does the future hold for the 2006 world champions?

"We are confident that our solutions will provide the team, both trackside and at their technical center, with easy access to documents and data to power their world championship challenge in 2007 and onwards," says Bhavesh Vaghela, marketing director for Enterprise Content Management, Oracle EMEA.

Watch a video: [Oracle Helps Renault Formula 1 Team Manage Important Documents](#)

 [Click here to return to Contents](#)

## ***RFIC Solutions Achieves 2X Increase in Productivity with Cadence Virtuoso Platform***

18 September 2007

Cadence Design Systems (India) Pvt. Ltd., the Indian subsidiary of Cadence Design Systems, Inc. announced that RFIC Solutions, Inc., a third-party intellectual property and design service provider, has

# CIMdata PLM Industry Summary

---

increased productivity two-fold by adopting the Cadence® Virtuoso® custom design platform. RFIC Solutions successfully completed two tapeouts within the first month of adopting the Cadence technology.

RFIC Solutions depends on Cadence Virtuoso Spectre® RF Circuit Simulator, Cadence Virtuoso Layout Editor, and the Cadence Assura® verification suite for complete RFIC designs. The Virtuoso technologies reduced the need for much of the repetitive manual work required of RF engineers in the past, enabling them to focus their time and energy on improving the designs.

Tightly integrated within the Virtuoso custom design platform, the Virtuoso Spectre RF Circuit Simulator helped RFIC verify RF circuits accurately using the most comprehensive suite of RF analysis. The integrated industry-standard Virtuoso Layout Editor and the full-featured Assura verification suite enabled RFIC Solutions to achieve high-density, DRC-correct layout. Cadence Assura Parasitic Extraction, one of the most accurate and popular device-level parasitic extractors available, helped RFIC Solutions extract parasitics more accurately and re-simulate the design against the specification.

"The use of the Cadence Virtuoso platform has allowed RFIC Solutions' engineers to focus on precision crafting the designs rather than doing repetitive manual work, which has resulted in a 2X productivity boost, as well as successful completion of two tapeouts within the first month of adopting the technology. Timely support and guidance provided by Cadence during the initial learning period also helped us to achieve these successes," said Dr. Sanjay Moghe, CEO of RFIC Solutions.

"The [Cadence](#) Virtuoso custom design platform enables design engineers to boost their productivity to deliver high-quality custom silicon on time, while allowing companies to focus valuable engineering resources on differentiating their products. The engagement at RFIC Solutions is a good example of a company being able to use cutting-edge Cadence technology effectively to achieve breakthrough results in a very short time," said Jaswinder Ahuja, corporate vice president and managing director, Cadence Design Systems (India) Pvt. Ltd.

 [Click here to return to Contents](#)

## ***Sanoyas Chooses the FORAN System of Sener***

31 August 2007

Japan's Sanoyas Hishino Meisho Corporation (Sanoyas) has signed a contract with Spain's SENER for the use of FORAN as its new shipbuilding 3D CAD software. The order has been sealed by Takafumi Itoh (Sanoyas Executive Director) and Luis García (SENER Marine Business Unit Vice President) at a special ceremony in Tres Cantos, Spain, on 31st May 2007.

Although Sanoyas have used 3D CAD developed by a major Japanese shipbuilder, they have been seeking their next shipbuilding system by comparing the different systems available in the market, in order to achieve further integration of design and production as well as efficient design with a core focus on a modern 3D CAD system.

First of all, Sanoyas eliminated almost half of the candidate systems by means of exhaustive questionnaires regarding ship hull and outfitting. They then studied various operational issues through presentations, joint training courses and demonstrations, and eventually came to the conclusion that FORAN would be the most appropriate system. In the last stage of the selection process, experienced ship hull and outfitting design engineers from Sanoyas analyzed the prospective system by conducting 3-week training and workshop at Tres Cantos. The evaluation concluded with a full study of the support

# CIMdata PLM Industry Summary

---

strategy for the System, which had to be fully adapted to Japanese shipyards, as well as a thorough technical assessment.

The decision of Sanoyas to implement FORAN for hull structure and outfitting disciplines after a comprehensive evaluation of the available tools in the market, marks a significant event for the Japanese shipbuilding sector. Upon signing the contract, Mr. Itoh confirmed that “we valued technical assessment in the system selection project, however, it is true that we were concerned about being the first [Japanese] user, especially in the ship hull system. We therefore confirmed SENER attitude toward Japanese market, especially in regard to the maintenance, we directly requested secured cooperation and got their promise. In the future, starting from setting up the super-user team and applying sequentially the system to new ships, we aim at a speedy implementation by accumulating system improvements. Seeking a practical system for Sanoyas actual operation, the challenge has only begun.”

The first group of Sanoyas super-users will start their advanced training in late June at Tres Cantos. The Implementation plan spans a period of four years, between 2007 and 2010, during which period a steadily growing number of seats and services will be supplied. SENER Okayama office will provide intensive local support when the system enters into real production at Mizushima Works and Shipyard.

Using this new contract as a springboard, SENER will continue to put all their effort into making FORAN the design and production system of reference in the Japanese shipbuilding market.

About Sanoyas:

Sanoyas Hishino Meisho Corporation consists of four principal business groups –Ship & Steel Structure, Parking System & Engineering, Construction Machines, and Leisure Business– and twelve affiliated companies. Each of these individual business units are free to develop original business activities and operations, while they also enjoy the benefits of uniting with and mutually stimulating the other parts of the group. The result is an organic whole which is able to respond to society’s diverse needs.

Each business unit has its own production bases, the main factory of the Ship and Steel Structure group being the Mizushima Works and Shipyard, located in Kurashiki City, Okayama. More than ten new vessels are delivered to worldwide owners every year, and their building capacity is continuously increased with advanced shipbuilding technology and the latest in computerized equipment.

The technological strength of [Sanoyas Hishino Meisho Corporation](#) is realized through its nationwide network of factories and sales bases; all of which are linked by the latest technology and have accumulated vast amounts of specialized know-how through their many years of experience.

 [Click here to return to Contents](#)

## ***SAP Honors Customers and Partners for Manufacturing Innovation***

20 September 2007

SAP AG announced the winners of its first ever Manufacturing Co-Innovation Challenge. Established this year, the award recognizes customers' and partners' development of composite applications-flexibly deployable software that solves specialized business challenges across diverse industries. A panel of industry experts evaluated more than 35 entries from throughout the ecosystem of SAP customers, software partners and integration partners, and selected winners that exemplify the value of application composition and integration with SAP® xApp™ Manufacturing Integration and Intelligence (SAP xMII). The newly composed applications link with existing SAP software to simplify business processes, integrate manufacturing data into the enterprise and deliver optimized operational results. The

# CIMdata PLM Industry Summary

---

awards were presented at the company's annual Adaptive Manufacturing Summit, being held today in San Francisco, Calif.

## **Whirlpool Tightly Connects Plant Floor and Warehouse Management Processes**

Whirlpool Corporation identified an opportunity to improve visibility of products between the plant and warehouse. Developed on the basis of the composite application SAP xMII, the new composite application connects plant floor data with the company's warehouse management system to enable a more predictable manufacturing schedule, seamless transfer of data from the SAP® Extended Warehouse Management (SAP EWM) application, reduced conveyor downtime and real-time notification of issues affecting transport of product from the plant to the warehouse.

"We are continuously impressed with the business value we are able to extract from the pairing of the SAP xMII composite application and our talented internal team," said Jim R. Shimp, vice president, global application development, Whirlpool Corporation. "We are proud to be recognized for developing this composite application and look forward to additional innovation that will drive value in our plant and corporate environments."

## **SEAL Consulting Mobilizes Inspection Teams to Boost Equipment Uptime**

SAP integration partner SEAL Consulting used SAP xMII to develop a composite application that facilitates plant maintenance and inspections for employees using tablet PCs and handheld devices such as the RIM Blackberry. The mobile inspections composite application combines hand-writing recognition, SAP xMII, SAP® ERP and Google Gadgets into an application delivered on to the mobile device to speed time-to-repair, improve equipment uptime and optimize inspection and maintenance process within a plant.

## **Geometric Software Ensures Product Quality from the Shop Floor**

SAP software partner Geometric Software has created a product quality management application that integrates business and operational processes across manufacturing, quality assurance, enterprise resource planning (ERP) and product life-cycle management (PLM). The resulting composite application enables real-time business process integration of core functionality from the SAP ERP application and SAP® Product Lifecycle Management (SAP PLM), such as quality management capabilities, with manufacturing execution solutions (MES) to respond in real time with corrective or preventive actions, determine the root cause quickly by bringing manufacturing and engineering together, and perceive potential quality issues in real time by analyzing shop floor data.

"With more than 30 years of experience working with the world's leading manufacturers, SAP understands the complex, heterogeneous nature of the production environment across multiple industries and across different manufacturing styles," said Harald Stuckert, senior vice president and general manager of PLM, SCM and Manufacturing, [SAP AG](#). "Through our manufacturing co-innovation strategy and the open composition platform of SAP NetWeaver, our customers are able to experience the real benefit of the architectural shift to enterprise SOA by addressing their real-world, unique business challenges in the creation of composite applications that are quick to implement, easy to scale and deliver a rapid time-to-value. The variety of entries we received reflects the unbounded opportunity for co-innovation on the SAP platform across every aspect of our customers' business."

 [Click here to return to Contents](#)

## ***Sener Signs FORAN Contract with Aker Yards***

4 September 2007

Aker Yards ASA has entered into a contract with the Spanish company Sener Ingeniería y Sistemas S.A. for the implementation of FORAN System across the group's shipbuilding organization.

The Contract was signed by Mr. Jørgen Berg (IT Vice President) on behalf of Aker Yards ASA, and by Luis Garcia (General Manager of the Marine Business Unit) on behalf of Sener.

FORAN is already operating successfully at 7 sites of the group. Based on the experience using FORAN so far, Aker Yards has decided to extend the cooperation with Sener by making a FORAN Frame Contract for future investments into CAD/CAM shipbuilding solutions.

Currently, Aker Yards owns more than 350 licenses of the main FORAN packages (Hull Structure and Outfitting). As a first consequence of this Frame Contract, FORAN is being implemented in Aker Yards, Promar, a Brazilian shipyard located in Niteroi (Rio de Janeiro).

Services to be provided by Sener include installation, training as well as maintenance and support.

### **About AKER YARDS:**

Aker Yards ASA is an international shipbuilding group focusing on sophisticated vessels.. The product range includes cruise vessels & ferries, merchant vessels, offshore & specialized vessels. Aker Yards comprises 18 yards in Brazil, Finland, France, Germany, Norway, Romania, Ukraine and Vietnam. Aker Yards has approximately 20,000 employees.

 [Click here to return to Contents](#)

## ***Stadtwerke Mainz Selects Bentley for Multi-UtilityGIS and Infrastructure Engineering Solutions***

19 September 2007

Bentley Systems, Incorporated announced that Stadtwerke Mainz AG, a multi-utility serving more than 300,000 citizens in the capital of Rheinland-Pfalz, Germany, is implementing an enterprise geographic information system (GIS) based on Bentley sisNET, ProjectWise, and other Bentley products.

With these Bentley solutions that advance GIS for infrastructure, all data needed to support the lifecycle of the city of Mainz's electric power generation and supply, gas, and water infrastructure will be available to all users in real time. As a result, Stadtwerke Mainz anticipates new levels of enterprise productivity, along with an extremely fast return on its investment in this innovative technology.

Volker Wäschenbach, GIS project leader, Planning and Facilities Management, Stadtwerke Mainz, said, "Through the deployment of our new GIS, we expect our engineering processes to become more streamlined because multi-utility data will be readily accessible and more transparent - prerequisites for the steady improvement of data.

"In addition, the new GIS will help us ensure full compliance with the extensive reporting requirements of the Bundesnetzagentur, our national utilities regulator."

Wäschenbach added, "Although we have made a substantial investment in this project, we expect to benefit from the many workflow efficiencies generated by the new Bentley solutions." These workflow efficiencies will include:

- Easier and more efficient network documentation and facilities management

# CIMdata PLM Industry Summary

---

- Support for "call-before-you-dig" services, with all data residing in one location and readily available to third parties who need to excavate trenches
- Electronic importation of all surveying data, saving time and money
- Improved collaboration among Stadtwerke Mainz project teams and outside contractors facilitated by the ProjectWise collaboration system, which enables users to manage, find, and share CAD and geospatial content, project data, and Office documents electronically, rather than through the transfer of paper plots
- Data consistency between the GIS and enterprise resource planning (ERP) systems, with ProjectWise serving as a repository for all geospatial and ERP system documents
- Increased quality of data provided to field engineers, making their work easier and more accurate and lowering project costs

## How the New System Works

Currently, Stadtwerke Mainz has different ways of managing its network data. Some of the data is in MicroStation DGN files, organized in folders, and some of the network object attribute data is held in a separate database. This makes it difficult, if not impossible, to ensure that the object and network connectivity data matches the attribute data. As a result, the company spends a lot of time cross-referencing network documentation data with attribute data to ensure consistency.

With the implementation of Bentley sisNET and the other Bentley solutions, all network data will reside within the enterprise GIS. The data will be available in real time to power users in the engineering community as well as read-only users, such as customer service representatives.

In addition, the GIS data will be linked to the ERP data through a Bentley sisNET Connector. This will make it easy for the network documentation team to see up-to-date attribute information from the ERP system.

## About Stadtwerke Mainz

Stadtwerke Mainz is a multi-utility company whose roots date back to 1899, when the first electric power station of Mainz - the capital of Rheinland-Pfalz, Germany - was connected to the city's network. For more information (in German) visit <http://www.stadtwerke-mainz.de/> or (in English) visit [http://www.stadtwerke-mainz.de/downloads/company\\_profile.pdf](http://www.stadtwerke-mainz.de/downloads/company_profile.pdf).

 [Click here to return to Contents](#)

## *Stanzwerk AG Speeds Tool Design and Production with CoCreate Software*

18 September 2007

CoCreate Software, Inc. announced that Stanzwerk AG cut its development time in half for its tool design and parts production using the CoCreate OneSpace Suite.

The Swiss company, headquartered in Untertentfelden, produces components for electric motors and transformers. Stanzwerk engineers use CoCreate OneSpace Modeling to design the stamping tools, die-casting molds and equipment that shape the components.

The company employs 230 staff and reported revenues of euro 50 million last year, 85 percent of which came from exports. Germany is by far the most important foreign market for the Swiss company.

# CIMdata PLM Industry Summary

---

Customers include well-known ventilator manufacturers, manufacturers of power tools and system suppliers for the automotive industry.

"Cost pressures and time to market challenge us the most," says Andre Kissling, the company's Head of Technology. "Not only do we have to develop and produce our tools quickly to shorten production times and lower costs, but we also need to constantly refine our manufacturing processes."

Stanzwerk has risen admirably to the challenge. Company engineers have mastered stamping technology, even with very narrow parts with the smallest of diameters, and can reliably produce millions of such pieces. To do that, the Swiss technology leader banks on the CoCreate OneSpace Modeling and CoCreate OneSpace Model Manager software to speed tool design and map ever more complex die-casting molds.

The CoCreate OneSpace Suite simplifies reuse of existing designs and also offers support for the development of new tools and processes thanks to its Dynamic Modeling based approach to product development. Designers can split work on models during the detailing phase and later merge them regardless of the creation history and parametrical dependencies.

In the recent past, the company put a new, highly automated assembly line for aluminum casting into operation. A robot arm puts six laminations simultaneously into one master mold. The mold's elements can be changed on the machine within 20 minutes. According to Kissling, it would have been impossible to map the automation of the casting process in 2D. Today, the company can cast twice as many laminations as in the past, and at a lower cost -- a competitive advantage which directly translates into more orders.

Stanzwerk can now develop more complex molds than most of the competition with OneSpace Modeling. At the same time, production has been noticeably accelerated. "We halved production time because we design more quickly and the toolmaker can visualize the form a lot better in 3D, which means little need for rework due to ambiguities in the production process."

OneSpace Modeling and OneSpace Model Manager are core components of the [CoCreate](#) 3G PLM solution for streamlined product development. It differs from the monolithic PLM systems of other providers due to its modular structure, its openness for integration into an existing IT environment using standards such as XML and Web services, and its Dynamic Modeling based approach to product development, which enables users to modify 3D CAD models without any prior knowledge of the creation history and dependencies.

 [Click here to return to Contents](#)

## ***Swiss AVW Company Succeeds with LEDAS Geometric Solvers***

17 September 2007

Zurich based AVW Informatik AG company has successfully incorporated LEDAS LGS 2D and LGS 3D geometric solvers into its ClassCAD product.

ClassCAD is not a typical CAD system, rather it works as integrated environment to build end-user applications. ClassCAD provides object-oriented environment for parts and assemblies modeling. It includes an integrated programming language for tasks automation within a CAD application, standalone version with visualization based on the VTK toolkit, and 3D operation based in a 3D solid kernel. ClassCAD models can be converted into feature models of other CAD systems and loaded with the plug-in version into other CAD systems. Similarly, scanning a feature model of a high-end CAD



# CIMdata PLM Industry Summary

---

system and converting it into a ClassCAD base model is also possible.

Incorporation of LGS geometric solvers into ClassCAD framework has again proved technological and financial affordability of the LEDAS solutions for small and medium companies.

## About the LGS family solvers

LGS 2D/3D is a set of C++ class libraries that runs under Windows 2000 and XP (versions for Linux, FreeBSD, and AIX platforms are available upon request). It can be integrated (via its API written in C) into a broad range of software applications. A sample test application for LGS called Lege'n'd is also available as part of the Evaluation version of LGS 2D/3D. They are created with the Open CASCADE open-source framework. The Lege'n'd 2D and 3D applications can be used to test the entire functionality of the LGS 3D without the need to integrate the solver into other software packages. A set of representative examples for Lege'n'd 2D/3D is also supplied.

LEDAS Geometric Solvers 2D/3D support creation and modification of the geometric models by means of (explicit or implicit) constraints. Typical geometric objects are points, lines, circles, planes, cylinders, spheres, arbitrary curves, surfaces and swept surfaces. Objects can be fixed in an absolute coordinate system or relative to each other (the latter feature is provided by the so-called rigid sets of objects). Set of geometric constraints includes logical constraints between geometric entities (like coincidence, parallelism, tangency, etc.) and dimensional constraints (that specify the required values for given distances, angles or radii). LGS moves and rotates objects to the positions where all constraints are satisfied by performing minimal transformations of initial configuration.

## About AWV Informatik

AWV Informatik AG is a subsidiary of Interstate University of Applied Sciences of Technology Buchs NTB, Zurich, Swiss. AWV is an innovation company, concentrated on CAD software research and development. The main project of AWV is ClassCAD, an integrated environment for CAD applications. More about AWV is on <http://awf.ntb.ch/4518.html>



[Click here to return to Contents](#)

## ***Synopsys' Memory IP Development Environment Selected by UMC for Advanced Design Processes***

19 September 2007

[Synopsys, Inc.](#) announced that UMC, a world-leading semiconductor foundry, has selected Synopsys' memory IP development automation environment for its most advanced design processes. Synopsys' development environment is production-proven and allows designers to develop memories in less time and with fewer dedicated resources.

Synopsys' memory IP development environment solution includes three vital components that contribute to reducing development time and also features integrated memory quality assurance (QA) system source code for all standard memory architectures and characterization utilities. The integrated memory QA system shortens development time by enabling production-ready memory releases. The available source code, which contains support for industry standard EDA views, enables short ramp-up times for engineers to provide high reliability memories. Lastly, the characterization utilities ensure the efficient generation of accurate memory models.

"As part of UMC's SoC foundry solution strategy, we are seeking to further enhance our portfolio of memory IP in order to meet our customers' ever-expanding requirements as they design into today's

# CIMdata PLM Industry Summary

---

most advanced technologies," said Raymond Leung, vice president of memory IP development at UMC. "Synopsys' memory development automation environment is capable of developing memory IP solutions for 65nm and 45nm memories and cores. The combination of Synopsys' development environment, support and training, makes this a valuable EDA offering for meeting our customers' memory IP requirements."

"We continue to provide comprehensive and cost-effective solutions that permit our customers to focus their internal resources on specialized design features," said John Koeter, senior director of marketing for IP and Services at Synopsys. "Our scalable, robust and comprehensive memory development automation environment allows foundries to produce memory components in-house without spending time and resources on developing the environment, thus reducing their overall development time and expense."

## **Availability**

Synopsys' comprehensive memory IP development software development environment, containing separate software tools and implementation support, is available now. Please contact your local sales representative for additional information.

 [Click here to return to Contents](#)

## ***Telelogic Signs 776,684 USD Contract with World Leader in Semiconductor Assembly Equipment***

21 September 2007

[Telelogic](#) announced that it has signed a 776,684 USD agreement with a world leader in semiconductor assembly equipment. The agreement includes license, maintenance and professional service.

The company, an existing user of Telelogic Rhapsody®, a leading Model Driven Development (MDD) environment for embedded and real time systems and software applications, has extended the current usage to incorporate additional divisions.

"Telelogic is very pleased to see not only yet another large global organization extending their usage of Telelogic's solutions, but also continued success for Rhapsody as part of Telelogic," said Anders Lidbeck, president and CEO of Telelogic. "This is another industry vote of confidence in our ability to deliver in the most demanding of environments."

 [Click here to return to Contents](#)

## ***Toyota and DENSO Transition Production Operation to The MathWorks R2006b Release***

10 September 2007

[The MathWorks](#) announced that Toyota and DENSO, Toyota's primary automotive electronics supplier, have been successful in their efforts to transition to the MathWorks R2006b release to support their automotive mass production programs.

This transition enables both companies to continue their commitment to Model-Based Design and automatic embedded code generation technology, using MathWorks simulation, modeling, and code generation products in their production software development programs for powertrain control and other electronics control units.

"Toyota and DENSO have been very satisfied by the support services and new product capabilities

# CIMdata PLM Industry Summary

---

provided by The MathWorks and Cybernet Systems during the last three and a half years of our pilot and long-term agreements for support of our production version,” said Kazuhiko Hayashi, general manager, Toyota Electronics Engineering Division. “Toyota believes that the transition to R2006b will help us develop automobiles more efficiently. We expect to achieve significant productivity improvements from R2006b features, including code generation using Real-Time Workshop® Embedded Coder for mass production software. Toyota has been working with The MathWorks to enhance their products, which will help to further expand deployment of Model-Based Design in automotive applications at Toyota and DENSO. We expect that our relationship with The MathWorks will continue for a long time into the future.”

The transition of Toyota and DENSO production operations to R2006b is the result of a successful program that included the use of MATLAB®, Simulink®, Stateflow®, and Real-Time Workshop in powertrain production programs. Over the last two years, MathWorks has worked with Toyota and DENSO to provide the advanced capabilities they required in these products, while DENSO has developed comprehensive modeling guidelines, user models, and training materials to prepare Toyota and DENSO engineers to move their production work from R12.1, which has been in full operation since 2001, to R2006b. Adopting R2006b in production enables Toyota and DENSO to apply Model-Based Design in current and future production vehicle programs and to use automatically generated production C code for complex, real-time embedded systems.

Toyota and DENSO have a major commitment to MathWorks R2006b tools throughout their advanced design and production design processes. As a result, the companies can better leverage design models to address the challenges of vehicle-level modeling, controller design, system simulation, and production code generation. By expanding the application of Model-Based Design, Toyota and DENSO intend to maintain a competitive edge in the industry by delivering new vehicle designs to the market faster and more cost effectively.

“Toyota and DENSO’s commitment to Model-Based Design exemplifies the way in which MathWorks software is increasingly being adopted by automotive industry leaders around the world for product design and development,” said Andy Grace, vice president of design automation development at The MathWorks. “We began our close relationship with Toyota and DENSO over twelve years ago in a collaborative effort to define the engineering tools needed by the automotive industry. After building widespread use in their R&D groups, we set the goal of effective deployment of MathWorks software in their production environment. This effort required a firm commitment to improving the quality of our products for our customers. Our strong working relationship with Toyota and DENSO has now enabled us to meet this goal. We are looking forward to Toyota’s accelerating deployment of R2006b and Real-Time Workshop Embedded Coder for modeling, simulation, and automatic code generation for production applications. We plan to continue to improve our tools to address their future production needs.”

 [Click here to return to Contents](#)

## ***U.S. Naval Academy Selects NEi Nastran Finite Element Analysis (FEA) Software***

17 September 2007

Noran Engineering, Inc. (NEi) announced that the U.S. Naval Academy, Annapolis MD has selected its NEi Nastran Finite Element Analysis (FEA) software for use in its accredited degree program for the training of officers in Naval Architecture. The Academy’s curriculum covers many different types of

## CIMdata PLM Industry Summary

---

ships, boats, and vehicles that operate on, above, or under water and involves the analysis and simulation of hull shapes, stability, structure, arrangement, survivability, maneuverability, and seaworthiness. The objective is to have students learn modern techniques of marine vehicle design and analysis.

Noran Engineering's NEi Nastran has a solid presence in the U.S. Naval community offering highly specialized capabilities to Navy contractors such as the ability to simulate the response of ship components to shock loads like mine, torpedo, depth charge or missile detonation. Other important attributes of the software include full NAVSEA compliance, full integration of DDAM (the U. S. Navy's Dynamic Design Analysis Method, DDAM, used to validate ship borne shock sensitive equipment) into the core NEi Nastran solution for high productivity, and security features for the handling of classified data. In addition, Noran Engineering has demonstrated its responsiveness to maritime issues by winning a U.S. Navy funded Small Business Innovative Research (SBIR) project on applying FEA to the handling of components in ship construction.

Beyond the U.S. Navy, Noran Engineering's software extends to the global marine engineering community covering the full breath of industry from defense projects and commercial vessels to luxury pleasure craft and high profile racing like the America's Cup and Volvo Ocean racing series. A webpage devoted to the application of analysis and simulation software to maritime vessels and structures can be found at <http://www.nenastran.com/marine>. In addition, interested parties can sign up for White Papers, a Maritime Newsletter, and Webinars on analysis and simulation in marine engineering.

 [Click here to return to Contents](#)

### ***Wayne State University Receives \$407.8 Million in Engineering Tools from Partners for the Advancement of Collaborative Engineering Education***

18 September 2007

Engineering graduates at Wayne State University will be better prepared for careers in Michigan's emerging high tech and global economy thanks to Wayne State's selection as a member of Partners for the Advancement of Collaborative Engineering Education (PACE), a joint philanthropic initiative of General Motors, EDS, Hewlett-Packard, Siemens UGS PLM Software and Sun Microsystems.

Officials from the five companies announced their latest partner university and multi-million dollar in-kind contribution during a special ceremony and all-day program on the Wayne State campus today. The software and hardware have a commercial value of \$407.8 million, making it the largest ever in-kind contribution received in Wayne State history.

The PACE corporate alliance has worked together since 1999 to support academic institutions worldwide with computer-based engineering tools to prepare designers, engineers, and analysts with the skills to compete in the future.

"Some software programs in the suites of design simulation and modeling tools provided by PACE have been an essential part of some Wayne State engineering courses. But the PACE contribution will allow the College of Engineering and its faculty to integrate the entire PACE toolbox throughout our curriculum, starting with basic first-year engineering classes," said Ralph Kummler, dean of Engineering.

"Wayne State's participation in PACE strengthens the university's role in Michigan's transition to a high-tech economy," said WSU President Irvin D. Reid. "The tools we receive from PACE will enable

# CIMdata PLM Industry Summary

---

us to prepare the skilled engineering, manufacturing and design workforce needed in an increasingly competitive global marketplace. Our selection as a PACE institution greatly enhances Wayne State's ability to educate the men and women who will lead Michigan to economic prosperity."

"UGS PLM Software is pleased to participate in bringing Wayne State University into the PACE family," said Dave Shirk, executive vice president, Global Marketing, UGS PLM Software. "Today's leading manufacturing and technology companies compete on the basis of time to market, product cost, quality and innovation. We hope our support for Wayne State's engineering curriculum will prepare its graduates even more for the real world."

The PACE software includes UGS NX™, UGS Teamcenter™ Engineering, UGS Teamcenter Community, and UGS Tecnomatix™; MSC Adams and MD Nastran; Altair HyperWorks; FLUENT/GAMBIT; iSIGHT; and LS-DYNA.

In addition to the educational contributions made by the five PACE partners, several additional "PACE Contributors and Supporters" have embraced the PACE mission, and contribute valuable products and services to the PACE institutions. They are 3Dconnexion, Altair Engineering, Autodesk, Autoweb, Engineous, Fluent, Inc., Gamma Technologies, Livermore Software Technology Corporation, MSC.Software, and Wacom.

For more information on PACE, visit their website at: <http://www.pacepartners.org/>

 [Click here to return to Contents](#)

## Product News

### ***Agilent Technologies' Latest Genesys Software Provides First-Pass RF/Microwave Accuracy, Shorter Physical Design Cycles***

19 September 2007

Agilent Technologies Inc. announced that the company is shipping Genesys 2007.08. This latest release of Genesys includes new statistical and electromagnetic analyses that provide affordable, first-pass accuracy for RF and microwave designs, resulting in shorter physical design cycles and faster time to market.

The new Genesys features the RF industry's only EDA environment that has realistic statistical component variations, histograms and yield optimization at a price that is comparable with consumer-oriented computational software. These new statistical analysis features, together with Agilent's Momentum GX (the high-performance planar-3D EM simulator announced in August) enables highly accurate physical design. The powerful combination of technologies is available at a price that individual designers and small-budget design houses can afford.

"The inspiration for our enhanced statistical capability originated with one of our larger customers using Six Sigma design techniques," said Daren McClearnon, product marketing manager with Agilent's EEs of EDA division. "The customer wanted to implement Six Sigma methodology at the RF system architecture level, to transition away from spreadsheet-based tools. By implementing the required statistical capability as part of the Genesys platform, we fulfilled not only the customer's desire for more elegant system architecture tools, but we also opened these high-yield techniques to the broader RF community."

# CIMdata PLM Industry Summary

---

The Genesys statistical features include:

- new statistical distribution functions, applicable to any variable or component parameter;
- histogram plots, for use with circuit, RF system, and EM simulation types; and
- 17 new statistics-oriented equations and measurements.

When combined with statistical Monte Carlo and Yield Optimization, along with physical models, RF-aware layout, and circuit/system/EM simulators, Genesys 2007.08 provides the key capabilities for high-performance physical design.

Genesys 2007.08 also provides:

- Momentum GX, a high-performance planar-3D EM simulator, which delivers the accuracy required for first-pass microwave design success;
- voltage-based system models and measurements, so that Spectrasys, the system design tool for use with Genesys, can be applied to modern, RFIC-based system architectures; and
- new licensing options for keyless (“ADS-style”) licensing and accelerated evaluations.

## About Genesys

Eagleware-Elanix, the originator of Genesys, was acquired by Agilent Technologies in 2005.

Agilent EEs of EDA continues to build on and enhance the Genesys platform, an integrated EDA software package for self-supporting RF and microwave designers and workgroups. From initial system architecture through final documentation, Genesys provides state-of-the-art performance in a single easy-to-use design environment that is fast, powerful and accurate.

## U.S. Pricing and Availability

Current Genesys software suites include four bundles that are priced less than \$10,000. Configurations for high-yield linear design start at \$3,995. The Genesys/Momentum GX bundle is priced at approximately \$15,000.

Through October 2007, Agilent is offering special discounts on electromagnetic analysis tools. For more information about Genesys suites and the current Genesys/Momentum GX discount, visit <http://www.agilent.com/find/eesof-genesys>.

Supported customers can download Genesys 2007.08 immediately from the Agilent Knowledge Center (<http://www.agilent.com/find/eesof-knowledgecenter>). All others may request a free software evaluation (<http://www.agilent.com/find/eesof-genesys-evaluation>).

 [Click here to return to Contents](#)

## *Alibre Design 10.0 is Unveiled*

18 September 2007

Alibre, Inc. announced the latest version of its flagship 3D CAD application, Alibre Design 10.0 (“V10”). Primarily driven by customer feedback, the new release includes improvements which further differentiate Alibre Design as the most accessible and easiest to use 3D mechanical CAD product on the market. In addition to improving key feature performance ten-fold and decreasing memory consumption by 35%, the application includes productivity improvements in 3D modeling, parametric sketching, and

# CIMdata PLM Industry Summary

---

2D detailing. A new fully integrated CAM add-on, Alibre CAM, supporting 2.5 and 3-axis NC machining, is also available as a component in Alibre Design Expert.

“We’ve gotten great feedback from our customers and partners who have had early access to V10, so we’re excited about the release,” comments CEO Greg Milliken. “Alibre has built a unique position in the market by listening to our customers, and V10 is a direct response to their feedback. They are telling us the product is working well. They want us to stay focused on the core functionality everyone needs and not to chase the bells and whistles of the competition - just make the core faster, easier and more efficient. So that’s what we did.”

## **2D Performance and Productivity**

Alibre Design 10.0 delivers significant performance gains while more efficiently utilizing memory. Versus Alibre Design 9.2, equivalent operations are completed in half the time with 35% less memory consumption. The new “Fast Views” feature projects 2D views of large or complex models 4 to 10 times faster. In addition, a variety of detailing features are more responsive including inserting dimensions and annotations such as BOM callouts, creating and editing Views, and generating hidden lines and centerlines. Associative updates of drawing views after a corresponding change to the 3D model have also been improved.

## **New Direct Editing Toolset**

Alibre Design 10.0 includes the new Direct Editing toolset, which is ideal for early-stage conceptual design and working with models imported from other CAD systems. This toolset provides intuitive push-pull modeling as well as the ability to quickly move, add and remove design elements. A powerful new inferencing engine automates many functions within these new tools, further reducing the time it takes to make complex changes. It easily identifies a pocket made up of multiple faces by simply clicking on a single face or allows quick edits to imported geometry without having to go back to the originating CAD system.

Because the tools are so easy to use, at times completely replacing sketch and feature editing, people who are not CAD experts can easily complete previously complex tasks. Direct Editing opens up many new uses like a machine shop needing to make a quick change before manufacturing or a structural analyst removing small details like fillets that unnecessarily complicate FEA.

“CAD vendors seem to be breaking into two camps regarding the approach to 3D modeling,” said Milliken. “One camp is completely invested in direct geometry editing claiming that is the only way to go, while the other is committed to parametric, feature-based modeling. For some, it’s become a religious battle, which we find a little amusing. We see value in both approaches so we support them both, and we do it at a fraction of the cost of anyone else, even less than the maintenance cost of a product like SolidWorks.”

## **Integrated CAD/CAM with Alibre CAM**

A key addition with Alibre Design 10.0 is the new manufacturing add-on Alibre CAM, a fully integrated NC machining solution supporting 2.5 and 3-axis milling based on proven technology from MecSoft Corporation. Alibre CAM was developed using Alibre Design’s API and runs entirely within the Alibre Design user interface. Like all other elements of Alibre Design, Alibre CAM is fully associative, so when a part is edited a previously defined tool path will update automatically. In addition, Alibre CAM supports a large selection of post-processors for popular machine tools as well as the ability to write custom post-processors for any machine.

# CIMdata PLM Industry Summary

---

## Availability and Pricing

Alibre Design 10.0 is available worldwide in fifteen languages. Contact Alibre or an authorized international reseller for pricing. To find international resellers, visit <http://www.alibre.com/programs/partners/partners-var.asp>. For more information about Alibre Design 10.0, including free trials or demonstrations, please visit <http://www.alibre.com> or contact a reseller.

 [Click here to return to Contents](#)

## ***Altair Engineering Extends Reach of HyperWorks Reseller Network in North America***

20 September 2007

[Altair Engineering, Inc.](#) announced it has extended the reach of its global HyperWorks reseller network with the signing of [Engineering Sales, Inc.](#); [ESG Engineering](#); and [ORSeS. Engineering Sales](#) is based in Minneapolis, Minn.; ESG Engineering is headquartered in Phoenix, Ariz.; and ORSeS operates in Ontario, Canada. Altair's global reseller network is well-established in Asia, has a growing presence in Europe, and now has more than 50 members worldwide. The new partnerships not only expand Altair's sales reach in the United States and Canada, but, more importantly, provide a higher level of customer service for regional users.

"The HyperWorks Reseller Network has been highly successful in Asia," said James R. Scapa, president and CEO of Altair Engineering. "Now, we are bringing that same model to the United States and Canada. The arrangement is beneficial to everyone involved. Partnering with local companies responds to the increasing demand for HyperWorks products."

"Engineering Sales is excited to partner with Altair and expand its presence in the upper Midwest," said Andy Bowe, president of Engineering Sales. "By providing world-class products and service, Altair and Engineering Sales are committed to improving customers' efficiency, effectiveness and profitability."

"We are delighted with the opportunity to provide the Altair HyperWorks suite of solutions to our customers," Hari Iyer, COO of ESG Engineering. "ESG has used Altair's products for nearly 10 years, and has seen the productivity gains in our own engineering services business as a result."

"ORSeS is proud to add Altair HyperWorks to the CAE solution portfolio we offer to our Ontario customers," said Ricky de Souza, CEO of ORSeS. "Furthermore, ORSeS' management style and customer service profile aligns well with that of Altair Canada. ORSeS customer base is primarily outside of the automotive industry, where Altair has traditionally been strong. However, we were delighted to find that [HyperWorks](#) applications are well-suited for small- and medium-sized businesses as well as for larger companies - both in and out of the automotive sector."

 [Click here to return to Contents](#)

## ***CCE Updates its Mastercam Interoperability Product to Support GD&T and Unigraphics NX5***

17 September 2007

[CCE](#) announced that it's Mastercam Interoperability product, MC\Ug, has been updated to support GD&T and will translate Unigraphics NX5 part and assembly files into Mastercam.

This update is in keeping with the rising demand for translation of GD&T data into Mastercam as also the increasing demand for NX5 support.



# CIMdata PLM Industry Summary

---

MC/Ug is a direct translator to convert native Unigraphics data (Versions 13.0 to NX5) to Mastercam X & X2 databases. The translator is a C-Hook integrated into the Mastercam and provides seamless data exchange between the two systems. MC/Ug is ideal for Mastercam users who have to work with Unigraphics data but do not have access to Unigraphics software. It cuts the time to generate tool paths from Unigraphics data by eliminating iterations between design and manufacturing due to lack of accurate and reliable data exchange.

CCE also offers a wide range of other seamless conversion solutions between CATIA, Pro/ENGINEER, Unigraphics, SolidWorks and Mastercam systems. Parasolid, IGES and STEP standards-based translators are also available.

CCE has a fully equipped service department to help clients translate complicated feature-based models with parametric history, bulk data conversions as well as 2D data that cannot be cost-effectively automated.

 [Click here to return to Contents](#)

## ***Centric Software Delivers First Apparel Suite With Operational Performance Management***

17 September 2007

Centric Software announced the first web-based application suite for the apparel industry that offers collection and line planning as well as product specification and product sourcing. For the first time, the apparel industry can conduct operational performance management with a set of applications specifically designed for the entire process from line planning to introduction. This unique application suite enables apparel retailers, brands and manufacturers to speed time-to-market, cost-effectively source products for private label brands, and increase profitability.

“Our roots in collaborative product design and key performance metric visibility have given us unique expertise to develop applications that integrate functions and improve operational performance in the apparel industry,” said Chris Groves, president and CEO of [Centric Software](#). “Centric’s Product Intelligence applications provide greater insight into all sources of product and business information for better decisions and execution. This apparel suite is the first to deliver the right information to multiple functions for fast, efficient response to business objectives and market opportunities.”

Centric’s integrated apparel suite consists of three secure web-based applications that provide immediate visibility into product specifications, sourced products, suppliers, costs, forecasts, orders and calendars. The benefits extend from the executive office to individual designers to suppliers in an easy-to-use interface. The three applications manage technical product specifications (Centric Product Specification), supplier performance and sourced product management (Centric Product Sourcing), and calendar and line planning (Centric Decision Center). All applications uniquely combine metrics entered directly into the system with live information from suppliers and in-house repositories such as spreadsheets, product databases, ERP systems, email and other documents.

**Centric Product Specification** creates a secure, virtual repository for all product details for collaborative product design and interactive development of thousands of items. Flexible technical data sheets provide all team members with accurate product details such as artwork, fabric, color, trim, and size charts.

**Centric Product Sourcing** allows retailers and manufacturers to identify and compare products, costs, and suppliers, collaborate globally and track status through highly configurable interactive dashboards.

# CIMdata PLM Industry Summary

---

Sophisticated cost estimating considers all components of landed and distributed costs. The application manages, samples, factories, and suppliers, and measures the performance of suppliers.

**Centric Decision Center**, for the first time, provides operational performance management, allowing sophisticated line planning across product lines and seasons. Multi-level visibility into costs, quantities, and margins for lines and items combined with calendars from development, sourcing and sales ensures that collections meet business objectives season after season. Calendars ensure smooth hand-offs and 100% completion of development tasks. Executives gain immediate visibility into the overall success of a line and each item within it.

Customers can deploy the three Centric apparel applications simultaneously or choose to deploy one application at a time. The deployment timeframe for either approach is within months, versus the years that it typically takes to deploy traditional PLM solutions.

 [Click here to return to Contents](#)

## ***Dassault Systèmes Launches Apparel PLM Solution for the Mid-Market***

19 September 2007

Dassault Systèmes announced the availability of the ENOVIA MatrixOne PLM FastTrack for Apparel™, a PLM solution specifically geared toward the needs of small and medium-sized companies in the apparel industry. In addition, PLM FastTrack for Apparel is an ideal solution for large companies looking to implement initial PLM projects in key business units.

Based on the successful ENOVIA MatrixOne Apparel Accelerator™ for Design and Development, which today has thousands of users from among the world's leading apparel brands, the PLM FastTrack for Apparel solution is an all-inclusive solution of software and services designed for immediate return on investment with an implementation cycle of only a few weeks. This approach reduces time to market, improves quality and promotes innovation by consolidating design, production and business process management in a single collaborative environment. An ideal solution for between 25 and 75 users, PLM FastTrack for Apparel enables companies to cost-effectively deploy an enterprise-grade solution which is flexible enough to scale as the company grows.

“Traditionally many of the largest apparel brands have been at the forefront of deploying PLM. Mid-market companies face similar challenges, such as global competition, working with international suppliers and increasing demands for new product lines, without having the same financial resources to address them. With the development of offerings like PLM FastTrack for Apparel, we believe that mid-sized companies can enjoy the same benefits of greater collaboration, improved business process management and faster time to market while limiting their risk,” said Joe Rodgers, director of channel development for ENOVIA. “We are confident that PLM FastTrack for Apparel will enable mid-sized companies to grow and compete more effectively.”

Based on industry best practices, ENOVIA MatrixOne PLM FastTrack for Apparel provides a series of pre-configured templates, business processes and workflows which help to minimize implementation effort and enhance time to value. The solution has also been designed to automate key apparel design and production functions such as product costing, specification package development, and workflow and Bill of Materials management. This approach provides a centrally managed data repository to improve collaboration. Training and testing services are also offered to ensure that companies are immediately productive.

# CIMdata PLM Industry Summary

---

To learn more about ENOVIA solutions for the apparel industry, click on the link below and listen to a podcast featuring Tamara Saucier, director of retail industry strategy for ENOVIA, as she discusses the apparel industry's growing adoption of PLM technology and how small and medium businesses are looking to leverage enterprise-grade PLM solutions.

<http://www.matrixone.com/customersuccess/apparel.html>

 [Click here to return to Contents](#)

## ***Delcam's New PowerMILL CAM Focuses on Five-Axis Machining***

17 September 2007

Delcam has released the latest version of its PowerMILL CAM system featuring a range of enhancements. Like other recent versions of the software, a major focus of PowerMILL 8 will be additional options for five-axis machining. However, the new release also includes enhancements and speed-ups throughout the program. In particular, improved memory management within the software will give significantly faster calculation times, especially for large, complex components, like press tools for automotive bodywork, and for smaller, highly-detailed models, such as moulds for fine-tolerance and high-accuracy parts.

The most significant of the new five-axis options is a powerful tool-axis editing function that allows the user to select any region of a toolpath and redefine the tool-axis vectors within that region. Previously, a single tool-axis specification was applied to a complete toolpath, although this could be adjusted automatically to avoid any collisions. The new ability to use different options in different regions of the toolpath will enable users to optimise cutting conditions and avoid any sudden machine tool movements that could result in a poor surface finish.

Five-axis swarf machining has been improved by the addition of an option that forces the toolpaths to follow the surface internal lines where possible. This approach can be used to give smoother motion of the machine tool and more precise control of the machine, especially in tight corners and other areas where there could be rapid changes in the cutter orientation.

An improvement to area clearance toolpaths with both positional five-axis operation and three-axis machining allows the user to add different styles of 'tails' to the toolpath under certain stepover conditions. These extra moves are needed to remove any upstands that might otherwise be left when cutting with a stepover more than 50% of the tool-end diameter. The new options will give smoother toolpaths and will maintain the cut direction as either climb or conventional.

PowerMILL has always supported a wide variety of cutting tool types. This range will be further extended with the addition of machining strategies specifically for large abrasive disk cutters within PowerMILL8. The new options include specific types of leads and links, plus dedicated gouge prevention functionality, to allow these disks to be used to cut around corners safely and accurately.

To make it easier to manage the wide range of tooling that is supported by PowerMILL, an easy-to-use tool database has been added to the new version that allows the user to perform a search operation to find the required tool. The enhanced tool database, which will be shared with the recent release of FeatureCAM, will also be able to support much more information on recommended feeds and speeds taken from suppliers' tool catalogues.

Simulation and verification on the computer has become increasingly important for many users and the PowerMILL development team has introduced a number of improvements in this area. In PowerMILL 8,

# CIMdata PLM Industry Summary

---

ViewMILL simulations will be able to be created and viewed with a full three-dimensional model of the stock. This allows the user to rotate the ViewMILL machining model and view it from any direction both during and after the simulation. In addition, the user interface has been streamlined so that both cutting tool simulation and machine tool verification can be controlled from a combined toolbar.

 [Click here to return to Contents](#)

## ***EDS Technologies Ties-Up with ICEM Targeting Automotive & Aerospace Industry***

11 September 2007

[EDS Technologies Pvt. Ltd](#) with its headquarters in Bangalore, today announced a tie-up with [ICEM](#), a Dassault Systèmes company, to enhance its PLM portfolio with “ICEM Shape Design” solutions, to address the shape design and styling market. This association will help EDS Technologies to extend its CATIA leadership to the broad and highly diversified styling communities.

Richard Brown, Regional Business Development Manager at ICEM stated that, “This appointment is part of our overall strategy for extending ICEM’s reach further into our traditional areas of automotive concept development and Class A surfacing as well as integrating ICEM Shape Design into our customers’ PLM processes. We were looking for a partner that could complement our understanding of the complex workflows within the automotive industry and offers the high quality technical and customer support we demand. EDS Technologies matches that requirement perfectly”.

“ICEM Shape Design” software suite offers highly intuitive tools to easily create, validate and modify any type of surfaces, from freeform surfaces to mechanical shapes. Its extensive set of functionalities, with high quality rendering, will bring virtual creation to reality. “ICEM Shape Design” provides breakthrough technology enabling users to produce world-class aesthetic products. Acknowledged as the premier system for the creation and development of Class A surfaces, ICEM products bridge the demands of aesthetic designers and production engineers from visualization, right up to tool and die designers.

The “ICEM Shape Design” software suite, based on Dassault Systèmes CAA V5 architecture is a fully integrated component of a PLM system environment. As a result, a seamless workflow of design data is created from initial surface model to final design approval, whilst allowing visibility to all associated manufacturing functions. Additionally, “ICEM Shape Design” comprehensively addresses the needs of customers who require a standalone solution for shape and surface development. Aesthetics and design quality create emotions and are key contributors to product success and brand recognition.

“The automotive industry has spearheaded putting aesthetics at the heart of the engineering process. One of the most critical steps is the ‘Class A Surface’ process, which creates perfect surfaces from styling sketches. With ICEM’s unique set of technologies and expertise in this domain combined with EDST’s recognized leadership in 3D and PLM, customers will benefit from a new level of integrated process performance from styling concepts to final shape”, said S Senthil, President, EDS Technologies.

 [Click here to return to Contents](#)

## ***Engineous Software Joins Siemens UGS PLM Software Partner Program***

18 September 2007

Engineous Software announced its partnership with UGS PLM Software, a division of Siemens

# CIMdata PLM Industry Summary

---

Automation and Drives (A&D). Engineous joins the UGS PLM Software Partner Program at the Foundation level and will develop, market and sell process integration and automation technologies that seamlessly operate with the UGS Teamcenter™ PLM suite and the UGS NX™ digital product development software solution.

"This partnership is a great fit for Engineous and our customers," says Janet C. Wylie, President and CEO of Engineous. "Our iSIGHT product line has been successfully used by hundreds of customers to integrate commercial and internal product development software programs. A tighter integration with the NX product suite will help to make those integration efforts easier than ever before. Additionally, our FIPER enterprise solution is being used by a growing number of companies to generate huge volumes of data as they search for optimal designs. These customers are asking us to provide a way to manage this voluminous simulation data in an automated fashion. The integration of FIPER with Teamcenter will solve this problem for our customers and improve their time to market."

"As the market leader in Process Integration and Design Optimization, Engineous is a welcome addition to the UGS PLM Software Partner Program," says Chuck Grindstaff, executive vice president, PLM Products, UGS PLM Software. By integrating the complementary aspects of our products, our common customers will have a solution that is well suited to manage simulation programs in a PLM environment. No other commercial products can currently handle the unique requirements of automating and managing simulation programs and their associated data."

The plans for the integration of the FIPER infrastructure with Teamcenter® will provide a unique market solution in the area of Simulation Process Management (SPM). Additionally, Engineous has already built an NX® adapter for Engineous' iSIGHT-FD product that will simplify integration of NX models with other simulation models used regularly by common customers.

UGS PLM Software provides a complete portfolio of digital product development solutions including the NX CAD, NX CAM and NX CAE applications. The company's CAE applications suite provides tools for multi-CAD geometry-based abstraction, FE modeling and automated meshing within an open simulation framework. UGS PLM Software's advanced simulation applications provide direct access to a common multi-physics environment for performing structural, durability, thermal, flow and combined flow/thermal simulations, leveraging NX Nastran as well as access to a number of leading third-party solvers such as Abaqus, Ansys, LS-Dyna and MSC.Nastran.

Additional information may be found at <http://www.engineous.com/> and <http://components.engineous.com/>.

 [Click here to return to Contents](#)

## ***ESI Group Accepted Into the IBM SOA Specialty Service Oriented Architecture Approach Drives Business Agility and Flexibility***

20 September 2007

[ESI Group](#) announced its acceptance to the IBM SOA Specialty after successfully completing IBM's SOA technical and business requirements. With this achievement ESI Group's VisualDSS application integrates with the IBM software and strategy for SOA.

"SOA is an increasingly important business requirement for organizations because of the business flexibility it enables," said Sandy Carter, Vice President of IBM SOA and WebSphere. "ESI Group's commitment to SOA provides their customers with a powerful way to reduce development costs by

# CIMdata PLM Industry Summary

---

rapidly deploying process simulation applications across their manufacturing organization.”

ESI Group’s VisualDSS application is an open, multi-domain environment which enables companies to build and manage simulation models for multi-domain usage, to automate processes & workflow, to manage simulation content & data and to provide knowledge based decision support and automated reporting. Leveraging IBM’s software and strategy for SOA allows VisualDSS to link to various data sources and applications, while sharing simulation data throughout the complete engineering business processes,

“With IBM’s software and strategy for SOA as a foundation, VisualDSS can easily integrate into the corporate Information Technology backbone of our customers; which allows quick and standardized deployment throughout the enterprise. Our acceptance into the SOA Specialty illustrates our commitment to working with IBM for SOA”, says Vincent Chaillou, President Product Operations and COO ESI Group.

 [Click here to return to Contents](#)

## ***Informative Graphics Updates Free DWG Viewer***

18 September 2007

Informative Graphics Corporation (IGC) announced the latest release of its Free DWG Viewer.

This no-cost viewer provides viewing for AutoCAD DWG, DWF, and DXF formats. It boasts a simple interface and runs on the Windows desktop or inside web browsers like Internet Explorer, Firefox and Netscape. This release includes support for AutoCAD 2008, enhanced measurement capabilities, an updated user interface and support for the Windows Vista operating system.

The Free DWG Viewer is built on IGC’s Brava!® technology, giving it excellent fidelity and performance. The Brava product line has extended features and document, image and CAD format options. Brava Desktop licensing starts at \$29. The company provides a full range of 2D and 2D/3D multi-format viewers with licensing available for system integrators and OEM/redistribution partners.

To download the Free DWG Viewer, visit: <http://www.infograph.com/products/dwgviewer/>

 [Click here to return to Contents](#)

## ***Intergraph Introduces SmartMarine 3D Design Software for Shipbuilding and Offshore Industries***

18 September 2007

[Intergraph Corp.](#) introduced SmartMarine™ 3D.

Previously known as IntelliShip®, SmartMarine offers improved modeling, detailing and manufacturing capability for offshore devices and ships for unrivaled productivity and user friendliness.

SmartMarine provides a multidiscipline, integrated and design environment that reduces costs and shortens project schedules for shipbuilders and offshore design firms alike. SmartMarine couples engineering, automatic drawings generation, production planning and manufacturing.

“SmartMarine is the most advanced marine design solution in the market today. It’s a next-generation, full 3D system, not ‘2 1/2 D’ as is the case with some other, old-fashioned systems that are still used in the marine industry,” said Gerhard Sallinger, president, Intergraph Process, Power & Marine. “The new product branding from IntelliShip to SmartMarine reflects the investment in the solution by leading

# CIMdata PLM Industry Summary

---

marine systems clients, such as Keppel FELS of Singapore, COSCO Shipyard Group of China or Grenland Group in Norway, to design ships and offshore devices more effectively.”

“Intergraph solutions have been expanded to support the offshore industry, with additional features for manufacturing and production planning and outputs, as well as modeling, detailing and manufacturing enhancements,” Sallinger said. “Any marine structure, whether it’s naval or commercial ships, offshore platforms, semi-submersibles or FPSOs, can be delivered faster and better using SmartMarine.”

Intergraph software has expanded and evolved to meet the needs of the world’s leading shipbuilding and offshore companies and classification societies. Users such as Samsung Heavy Industries (SHI) or the Odense Steel Shipyard Group have significantly reduced engineering time, rework errors and material costs. Customers also foresee continued productivity improvements by using SmartMarine.

“The shipbuilding and offshore industries simply deserve better solutions than the outdated products still being used today. We believe that SmartMarine represents a giant step forward for the productivity of the industry,” Sallinger said.

 [Click here to return to Contents](#)

## ***Invensys and innotec Extend Successful Partnership***

13 September 2007

Invensys Process Systems (<http://www.ips.invensys.com/>) and innotec GmbH (<http://www.innotec.com/>) announced that the two companies have extended an existing sales, marketing, and support partnership to enable Invensys to resell and support the full range of Comos® plant engineering lifecycle management modules on a global basis. The previous partnership agreement, signed in December 2003, was designed to provide an integrated solution between innotec’s Comos® FEED module and the SimSci-Esscor PRO/II® process design simulation solution. This was well-received by EPCs (engineering procurement contractors) and owner operators alike and has resulted in improved engineering and design productivity for process industry customers around the world. Under the extended partnership announced today, Invensys will provide sales, support, and services for all Comos® modules, including P&ID, Electrical, Instrumentation, and document management capabilities. Invensys and innotec anticipate that this will provide significant additional benefits for customers as well as incremental revenues for both companies.

innotec’s object-oriented Comos® lifecycle asset management system makes all relevant engineering design and related data and documents readily available in a single database and integrates with a wide variety of third-party systems. This complements Invensys’ own object-oriented InFusion® enterprise control system technology, which simplifies the integration of Invensys and third-party operations, maintenance, and business systems across a single plant or an entire global enterprise into a common application environment. In combination, the innotec and Invensys offerings can provide EPCs and owner operators with a comprehensive Design-Operate-Maintain lifecycle information solution for improved asset performance management.

“Invensys has been very pleased with the value that Comos® FEED has given our customers,” commented Tobias Scheele, vice president and general manager of the SimSci-Esscor unit at Invensys Process Systems. “We look forward to helping our customers achieve even greater productivity improvements during detailed engineering phases and through the improved engineering document management capability that the Comos® suite provides.”

# CIMdata PLM Industry Summary

---

“Invensys is a key strategic partner of innotec, providing a global, world-class sales and support organization. We expect this partnership to better support innotec customers worldwide,” commented Stephan Rohleder, managing partner innotec.

 [Click here to return to Contents](#)

## ***Magma and UMC Deliver Robust Physical Verification and DFM Solution for 65 nm***

20 September 2007

Magma Design Automation Inc. and UMC announced a broad physical verification and design for manufacturability (DFM) solution for 65-nanometer (nm) designs. The two companies completed joint qualification of Magma’s Quartz™ DRC, Quartz LVS and Quartz DFM for UMC’s advanced processes and development of foundry-validated runsets and models that support the flow, which is tuned to detect design problems so they are corrected quickly. With the software, runsets and models, designers can accelerate time to market and improve manufacturability of chips targeted for UMC’s advanced 65-nm process technology.

Quartz DRC and Quartz LVS are the industry’s first fully scalable design rule checking (DRC) and layout-vs.-schematic (LVS) products. Leveraging a unique architecture and advanced modeling capabilities, this revolutionary physical verification solution allows affordable, massively distributed processing. With this technology and the right number of processors, virtually any design can be physically verified in less than two hours. Quartz DFM allows designers to analyze and characterize the timing and power impact due to sources of manufacturing variability, such as lithography and CMP. With this, designers can reduce the guard-banding required by traditional design flows, allowing significant gains in timing and power performance.

“UMC continually works to provide its customers with design and manufacturing solutions that help ensure silicon success. We believe Magma’s physical verification software provides significant turnaround time advantages to our mutual customers,” said Ken Liou, director of the IP and Design Support division at [UMC](#). “The qualification of Quartz DRC, Quartz LVS and Quartz DFM for our 65-nm process and our ongoing collaboration with Magma demonstrates our commitment to helping our customers address complex system-on-chip design challenges and shorten their time to market.”

“IC designers need fast, reliable physical verification to help minimize the cost of developing advanced chips,” said John Lee, general manager of Magma’s Physical Verification Business Unit. “We pleased to be partnering with UMC to make it easier for more customers to leverage advanced process technologies to meet their most challenging design and schedule requirements.”

 [Click here to return to Contents](#)

## ***MDTVISION Launches PRELUDE V5 Inspect, a Full-Featured 3D Metrology Software Based on Dassault Systèmes’ V5 Architecture***

18 September 2007

With its new software PRELUDE V5 Inspect, [MDTVISION](#) enables digital continuity for V5 data, from design to production quality control.

PRELUDE V5 Inspect is designed for the preparation, simulation, execution, and validation of three-dimensional part-programs, the analysis of part dimension quality, and the control of manufacturing



# CIMdata PLM Industry Summary

---

processes. PRELUDE V5 Inspect is a full-featured 3D metrology software offering both on-line and off-line modes and analysis. Its functionalities benefit from Prelude INSPECTION software and the know-how of MDTVISION. PRELUDE V5 Inspect fulfils all your inspection needs and lets you design systematic, standard-compliant quality control.

Independent toward measurement equipment vendors, PRELUDE V5 Inspect guarantees optimal usage of many types of measurement machine or device, with or without contact.

## **Digital continuity for V5 data**

Based on Dassault Systèmes' CAA V5 architecture, PRELUDE V5 Inspect is integrated in V5 environment. This architecture enables completely natural data exchanges between Design, Manufacturing and Quality Control Departments.

Among key strengths of PRELUDE V5 Inspect, note the ergonomics and homogeneity of CATIA V5 user interface, direct access to native CATIA V4 and CATIA V5 data and to FT&A tolerancing, automatic integration of inspection data in PPR tree (Product Process Resource) and interactive exchanges between measurement and design workshops.

“The integration of PRELUDE V5 Inspect in V5 environment guarantees the quality and the coherence of 3D data through product lifecycle and favours the interactive exchanges between design and metrology, explains Jean-Claude Bozec, Quality Control Expert, MDTVISION. For V5 users, it is also more comfortable and easier to manipulate a well-known graphic interface.”

“PRELUDE V5 Inspect is based on the same V5 kernel as the Dassault Systemes products which provides a significant productivity gains to the V5 customers in the inspection domain working in the 3D PLM environment”, says Minal Santhosh, Manager CAA Partnerships, DELMIA.

## **Available October 1st, 2007**

PRELUDE V5 Inspect is marketed in France and abroad by MDTVISION and Dassault Systèmes and by their respective distribution networks. PRELUDE V5 Inspect will be available October 1st, 2007

## **Advanced core features**

- Automated preparation of measuring ranges with automatic validity checks
- On-line and off-line programming, and switching between modes
- Creation of ready-to-use, customisable part reference lists
- DCC direct driving for touch trigger probes and laser-scanners
- Inspection of big digitized points clouds by comparing with a CAD model
- Management of CMM's range of accessories
- Assistance in tuning production systems and complex assemblies setup
- Built-in database for traceability and statistical process control
- Creation and printing of customizable verification reports
- Export in various formats: digital values (Excel), graphical values (JPEG, etc.) or mixed

## **Digital continuity for V5 data**

# CIMdata PLM Industry Summary

---

- Direct access to native CATIA V4 and CATIA V5 data with FT&A tolerancing
- Integration of inspection data in the PPR\* tree
- Interactive exchanges between measurement and design workshops
- Measured entities can be directly re-used in CATIA through reverse engineering
- Configuration of the inspection work environment via 'CATSettings'

## **Open approach and compatibility**

- Windows XP compatible
- Uses standard IGES and STEP interfaces (optional in CATIA)
- DMIS format part-programs import
- Compatible with the Prelude INSPECTION part-programs
- Complementary with RENISHAW UCC universal controlert and its range of accessories
- Direct CMM's interfaces available
- Standard I++DME universal interface available, enabling most connections with compatible measurement devices.

 [Click here to return to Contents](#)

## ***MecSoft Releases Parametric CAD/CAM Bundle***

19 September 2007

MecSoft Corporation announced the release of a 3D parametric CAD/CAM bundle. This product bundle includes Alibre Design Basic, a powerful 3-D parametric modeling tool from Alibre Inc., Alibre CAM a fully integrated CAM add-on that runs inside Alibre Design family of products and MecSoft's VisualMILL™ suite of products. Special pricing for these bundled products is available.

Joe Anand, President and CEO of MecSoft says "Working in partnership with Alibre Inc, we are excited to bring to the market a fully integrated parametric CAD/CAM product bundle. This bundle offers cutting edge CAM functionality, based on our renowned VisualMill CAM engine. With the integration inside the Alibre Design family of products we can now leverage the power of parametrics, associativity and the intelligence embedded in the Alibre Design models. Targeted at the mechanical design market, this product nicely complements our RhinoCAM and VisualCAM family of products."

"We believe that our relationship with MecSoft will be a big win for our customers," said Greg Milliken, CEO of Alibre. "With our robust API and innovative partners like MecSoft, we can provide a larger set of cutting-edge solutions at competitive prices. With the release of Alibre Design 10.0, our integrated CAD/CAM solutions bring 3D CAD technologies to users who could not previously justify the cost or the time to learn. Machinists and CAM specialists now have the ability to easily create or modify models before moving into CAM."

For further information please call 949-654-8163 or email [sales@mecsoft.com](mailto:sales@mecsoft.com).

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## ***Mentor Graphics Accelerates FPGA / PCB Design Collaboration with New I/O Designer Product Targeted at PADS Users***

19 September 2007

Mentor Graphics Corporation, announced the availability of the PADS I/O Designer™ product specifically targeted at its PADS® product user community. For designers implementing complex field-programmable gate arrays (FPGAs) on their PCBs, the I/O Designer™ product has a proven track record of decreasing design cycle time, improving performance, and lowering product costs. These same benefits are now available to the PADS product users at an aggressive entry price as the use of high density, high performance FPGAs increases across the spectrum of electronic products. For the first time the PADS I/O Designer product is being made available to the PADS community.

“Mentor Graphics has demonstrated exceptional productivity benefits in optimizing the FPGA-to-PCB integration process with I/O Designer,” said Danny Biran, Altera's senior vice president of product and corporate marketing. “The introduction of I/O Designer for PADS will bring the benefits of cycle time reduction and lower PCB costs to a broader FPGA / PCB customer base. Altera’s advanced FPGA technology, combined with I/O Designer for PADS, is a perfect solution for the PADS user to expand their mainstream FPGA usage.”

“Providing an industry-leading integrated and concurrent FPGA / PCB design process has been a major benefit to our customers,” said Henry Potts, vice president and general manager of Mentor Graphics’ Systems Design Division. “Users of high-end FPGAs report time-to-market reduction and systems performance improvement of up to 50 percent, and reductions in PCB layer counts resulting in reduced product costs. With the continuing trend in electronic products of using even more high-end FPGAs, the impact of providing I/O Designer to our PADS users is significant.”

### **The PADS I/O Designer Product**

The PADS I/O Designer family provides for concurrent design of the FPGA and PCB by bridging these unique design flows and automating the various processes needed to implement today’s high pin-count, high-speed FPGAs on PCBs. Starting with nothing or an early hardware design language (HDL) description or a top-level DxDesigner™ product, the FPGA-PCB interface is quickly defined with a variety of correct by construction, drag and drop PCB signal to FPGA pin assignment methods. The PADS I/O Designer product then synchronizes the interface across the FPGA and PCB flows through:

- Automatic DxDesigner and schematic generation
- Automatic generation & maintenance of required FPGA vendor files, HDL files, and synthesis constraint files

Optionally, the PADS I/O Designer product will import the PADS Layout physical design for FPGA vendor rules-driven pin swaps. When extended to PCB optimization, the PADS I/O Designer product leverages the PADS Layout physical design to drive PCB trace optimization through FPGA interface unraveling. Also available is functionality to optimize multiple FPGA interfaces simultaneously within a single PADS Layout physical design.

### **Availability**

PADS I/O Designer is available immediately through the Mentor distribution channel with a starting price of \$4,995.

For more information on PADS solutions, please visit <http://www.mentor.com/pads> or email

[pads\\_info@mentor.com](mailto:pads_info@mentor.com).

 [Click here to return to Contents](#)

## ***Mentor Graphics Introduces Multimedia Solution for Nucleus OS and Inflexion Platform***

19 September 2007

Mentor Graphics Corporation announced the launch of the Inflexion Platform™ Multimedia Feature Pack for Nucleus® OS, a new paradigm for manufacturers of mass market consumer electronic devices to bring advanced audio and video capabilities to their products.

Inflexion Platform UI, launched in December 2006, enables the agile creation and customization of visually compelling, easy to use interfaces for consumer electronic devices such as mobile phones, personal media players and set-top boxes. Completely new designs can be realized without modification to a device's software stack.

Inflexion Platform Multimedia Feature Pack extends this capability, enabling rich audio and video content to be incorporated easily throughout a device's interface, without the need for programming or scripting. Example applications include: previews for premium downloadable content (e.g. music videos); animated advertisements; 'live' application icons; embedded context-sensitive audio/video help content; and full-screen streaming video playback.

To ensure maximum interoperability, Inflexion Platform Multimedia Feature Pack implements the new OpenMAX™ industry standard API. This means that any OpenMAX-compliant multimedia component--including audio and video codecs--can be integrated with minimal effort, including those which take advantage of accelerated graphics hardware.

"OpenMAX has wide industry support, enabling the rapid and flexible deployment of streaming media acceleration on a wide range of silicon platforms and operating systems," commented Neil Trevett, president of the [Khronos Group](#). "Mentor Graphics' announcement today is truly significant as it enables embedded developers to take advantage of the full power of OpenMAX across the wide range of embedded platforms that use Nucleus OS."

"Nucleus OS has established itself as the preferred operating system for mass market consumer electronic devices such as mobile phones. Inflexion Platform enables these manufacturers to bring compelling products to market in less time," said Neil Henderson, general manager for the Embedded Systems Division of Mentor Graphics. "With the launch of the Multimedia Feature Pack, Nucleus OS customers can now deliver high-end multimedia experiences on mass market embedded platforms."

For more information about Inflexion Platform Multimedia Feature Pack and Nucleus OS, please contact Mentor Graphics' embedded systems division at 800-468-6853 or [embedded\\_info@mentor.com](mailto:embedded_info@mentor.com)

 [Click here to return to Contents](#)

## ***Multistat Announces Multistat Visual Optimizer Plug-in for Engineous iSIGHT-FD; Multi-Objective Optimization for the Toughest Design Challenges***

19 September 2007

[Multistat](#), a leader in the next generation of design optimization, announced the availability of the Multistat Visual Optimizer Plugin for Engineous iSIGHT-FD during the CAO Frontiers 2007 conference in Yokohama, Japan.

# CIMdata PLM Industry Summary

---

“The Multistat Visual Optimizer Plugin provides a dramatic advantage over existing optimization algorithms and is now integrated with iSIGHT-FD – delivering that advantage seamlessly to Engineous customers,” said Ralph Mayer, CEO, Multistat.

“Engineous welcomes Multistat as a partner in its component development program,” said Dr. Alex Van der Velden, Vice President of Engineering for Engineous Software. “We were impressed how quickly they developed their iSIGHT-FD optimization plug-in. The increased choice of leading edge optimization technology in our open process integration framework will benefit our customers.”

The Multistat Visual Optimizer Plug-in provides two innovative multi-objective algorithms, both of which provide dramatic advantages over existing optimization algorithms:

**Speed** – significantly reduced number function evaluations, up to 100 times fewer

**Scalability** – large number of design variables, hundreds to thousands of variables

**Accuracy** – specified tolerance of solution accuracy from the Pareto frontier

Multistat’s Visual Optimizer plug-in for iSIGHT-FD is truly strategically valuable to Engineous customers, allowing them to produce more optimal design solutions within their design cycle time, thereby creating innovative products with increased performance and efficiency. In today’s competitive environment, the difference between winning and losing in the market can be that one product design not found using existing methods. With Multistat Visual Optimizer for iSIGHT-FD, Engineous customers gain the advantage. To learn more about Multistat’s Visual Optimizer Plug-in for iSIGHT-FD, please email [info@multistat.com](mailto:info@multistat.com).

 [Click here to return to Contents](#)

## ***Nikon and Synopsys Announce Manufacturing-Aware DFM Solution for 45 nm and Below***

18 September 2007

[Nikon Corporation](#) and [Synopsys, Inc.](#) announced that Nikon's proprietary optical lithography exposure tool data is available for the latest release of the Synopsys Proteus optical proximity correction (OPC) software. As part of an ongoing collaboration, the two companies developed an embedded scanner parameter module, which delivers the "manufacturing-aware" OPC and resolution enhancement technology (RET) lithography simulation models needed for advanced 45-nanometer (nm) and below IC (integrated circuit) manufacturing. Mutual customers can benefit from improved OPC model accuracy and reduced time to silicon.

At 45 nm and below, critical dimension (CD) control takes place at the single nanometer level, pushing current OPC/RET models and optical-lithography system performance to extreme limits. Current OPC design tools use idealized models of lithography tools to correct for optimal proximity effects of the mask pattern. Only by iteratively adjusting the mask pattern and comparing the simulated model to the calibrated exposure results can the mask pattern be optimized. This approach may not produce accurate, predictable models and therefore may not be suitable for OPC at advanced technology nodes.

To address this challenge, Nikon and Synopsys undertook a collaboration last year with the goal of delivering a "manufacturing-aware" OPC solution that provides improved modeling accuracy for their mutual customers, thereby reducing the cost of development at advanced nodes. The newly developed interface allows Proteus modeling customers to automatically access Nikon's proprietary scanner information, including such higher-order lithographic effects as polarization, flare, synchronization, and

## CIMdata PLM Industry Summary

---

various aberration data for the following Nikon exposure systems: NSR-S610C, NSR-S609B, and NSR-S308F. Because models created with this methodology can accurately predict lithographic printing effects previously missed with traditional "idealized" OPC models, this new integration significantly increases OPC modeling accuracy and reduces OPC modeling time. This new functionality is available for the latest production release of Proteus.

"Together with Synopsys, we have shown the benefits of using an accurate scanner model for OPC development," stated Toshikazu Umatate, executive officer, Precision Equipment Company, Nikon Corporation. "By incorporating our proprietary scanner information into the Proteus software, Nikon customers can gain a competitive advantage with improved OPC accuracy and faster optimization time."

"Proteus OPC has demonstrated significant technology leadership. It's been in production for 10 years and seven consecutive technology nodes, delivering significant software performance improvement year over year. Combining proprietary lithography information from Nikon with Proteus mask-synthesis data moves OPC accuracy into a new domain leading to improved CD control at 45 nanometers and below," said Dr. Wolfgang Fichtner, senior VP and general manager, Silicon Engineering Group at Synopsys. "This collaboration will help our mutual customers achieve their model production and yield goals, thereby reducing their overall cost of ownership."

 [Click here to return to Contents](#)

### ***SAP Business ByDesign™ Unveiled; First Live Midmarket Customers Experience The Power Of The Most Complete On-Demand Business Software Solution***

19 September 2007

SAP AG unveiled SAP® Business ByDesign™, a complete on-demand business software solution specifically addressing a new market of prospective, fast-growing midsize customers. Designed around four key principles—completeness, ease of use, adaptability and significantly cutting total cost of ownership (TCO)—SAP Business ByDesign delivers an on-demand software solution with built-in service and support. It offers a personalized trial for invited customers to explore, evaluate and experience the solution, and competitive pricing at \$149 per month per user, with lower price points for efficiency users.

Complementing the existing portfolio of SAP solutions for small businesses and midsize companies, the solution is already helping an inaugural group of live customers to improve business processes across their organizations. SAP Business ByDesign is available today for selected early customers in the United States and Germany, with the opportunity now opening for early customers in China, France and the United Kingdom.

“With SAP Business ByDesign, today we are adding a completely new business model to our successful, established one and are changing the on-demand marketplace,” said Henning Kagermann, CEO, SAP AG. “SAP Business ByDesign is designed to dramatically simplify IT for midsize companies by substantially reducing the cost of ownership and combining efficiency with business flexibility. The technical advantages of SOA enter the level of business processes and allow customers to exploit the full potential of new business trends without becoming IT experts. Such an affordable, easy-to-use and complete offering has been missing for midsize companies in the sweet spot until today.”

### **First Customers Tap Value of Easy-to-Use Business Software**

Over the last six months, SAP has worked with select customers and partners to validate SAP Business

# CIMdata PLM Industry Summary

---

ByDesign. Among the first 20 live customers in Germany and the United States are STEMME AG, a utility and sports aircraft manufacturer; Judge Consulting Group, a provider of business technology consulting services; MANTZ airmotions GmbH & Co. KG, a manufacturer of air fresheners for homes and vehicles; and Compass Pharma Services LLC.

Compass Pharma Services LLC provides outsourced contract packaging, manufacturing and distribution services to the world's best-known pharmaceutical companies. The company's success depends on its ability to respond to short-run, just-in-time orders while providing visibility to major customers that require a range of information across the different functional areas. The company's current systems do not allow its functional departments to interact and share information—information that is essential to its customers. Compass is implementing SAP Business ByDesign to provide a single, on-demand business solution that can streamline operations.

“SAP has done a tremendous job of translating our business requirements into an easy-to-digest business flow within SAP Business ByDesign; it's clear that SAP really took the time to understand how smaller businesses think and operate,” said Kevin Flanagan, CEO, Compass Pharma Services LLC. “We now plan to spend less than 25 percent of our original IT budget and are excited to be one of SAP's first SAP Business ByDesign customers.”

## **Extending Reach of SAP Portfolio into \$15 Billion Market**

SAP Business ByDesign complements the existing SAP® Business One, SAP® Business All-in-One and SAP® Business Suite solutions, allowing SAP to address the business requirements of all sizes of companies from the smallest businesses, through all types of midsize companies and larger enterprises. The new SAP Business ByDesign is a complete on-demand business software solution targeted exclusively toward new midmarket prospects in the size range of 100 to 500 employees—growing companies that typically have not invested in these types of integrated business solutions. SAP estimates that there are more than 60,000 such companies in Germany and the United States alone and sees a worldwide market potential of more than \$15 billion. SAP Business One is designed for the small business segment, while SAP Business All-in-One is built specifically for midsize companies that need deep industry-specific functionality and extensibility to meet their precise requirements. In making today's announcement, SAP said it had aligned the product names of its solution portfolio, adjusting the name of its existing midmarket solution to SAP Business All-in-One.

## **Game-Changing Business Solution Built on a Future-Proof Platform**

Fundamentally different than competitive midmarket solutions, SAP Business ByDesign is a game-changing business solution that drives faster time to value, drives easier consumption and helps minimize customers' overall IT costs by reducing the need for user training, hardware investments, service, support and IT staffing. Fully leveraging enterprise service-oriented architecture (enterprise SOA), the solution was built from the ground up on SAP NetWeaver®, providing a future-proof platform for business that provides for a high degree of flexibility to adapt business processes in order to address evolving market demands. This offers midsize customers the assurance that their investment today is protected as their IT solution is able to scale to their requirements as their businesses grow and evolve over time.

## **Product Pricing, Availability and Road Map**

Prices in the United States will start at a price of \$149 per user, per month (including software, infrastructure, services and support), with a minimum of 25 users to be licensed per customer. Group pricing for efficiency users, those needing limited access to the software (such as for self-service

# CIMdata PLM Industry Summary

---

entering of time and expenses, and purchase confirmations), will be at \$54 per month for a set of five users.

By the end of 2008, SAP will have invested between EUR 300 - 400 million in go-to-market and service and support innovations. In addition to successfully changing the brand perception and purchase consideration of SAP via global advertising campaigns, SAP said it has built consumer-style Internet-based marketing campaigns to attract and convert prospects for SAP's unique midmarket offerings.

SAP is currently engaging with pilot customers in the United States and Germany; is validating the solution with customers in the United Kingdom, France and China; and will continue to build upon a strong demand in these markets throughout the balance of this year. During 2008, the product is planned for expansion to additional markets such as Australia and India in Asia-Pacific; Italy, the Netherlands, the Nordic region, South Africa and Spain in EMEA; and Canada and Mexico in the Americas. SAP aims to further extend the country road map in 2009.

## **Expanding Role for Partners**

SAP will rely significantly on its partner ecosystem strategy to drive the SAP Business ByDesign offering. SAP is currently engaging with early solution reseller and service partners, as well as with complementary content partners such as ADP.

“As an SAP partner, we are pleased to expand our relationship by integrating ADP's payroll services into this innovative solution,” said Gary Butler, chief executive officer of ADP. “With our experience serving thousands of midmarket employers, ADP is uniquely positioned to provide SAP Business ByDesign clients an effective platform that leverages our expertise and global footprint. SAP Business ByDesign provides clients with a cost-effective, flexible business solution enhanced with a world-class payroll solution.”

SAP anticipates inclusion of the SAP Business ByDesign offering as part of the SAP PartnerEdge program in 2008. Current SAP reseller partners will be invited to apply and qualify, with the expectation that they will build a new business around SAP Business ByDesign that reflects the volume nature and requirements of the solution.

## **SAP Business ByDesign Website for Customers, Prospects and Partners Live**

At the conclusion of today's event, SAP opened an expanded website providing information on SAP Business ByDesign, including details on the solution, live customers, partner engagement and how companies can register for an exclusive preview. For information on SAP's complete offering for small business and midsize companies go to: <http://www.sap.com/sme>.

 [Click here to return to Contents](#)

## ***SpaceClaim Offers PLM Integration through xPLM Solution Partnership***

20 September 2007

SpaceClaim Corp. and xPLM Solution GmbH announced the availability of the SpaceClaim PLM Integration Module, a comprehensive integration platform providing a bi-directional link between SpaceClaim and leading PLM systems. SpaceClaim clients can manage SpaceClaim documents, references and part configurations within their corporate PLM system and directly access managed CAD models, Bills of Materials, engineering change orders and other enterprise PLM data providing an integrated and more efficient design and manufacturing environment.



# CIMdata PLM Industry Summary

---

"Our partnership with xPLM demonstrates how SpaceClaim's CAD-neutral solution is also PLM-neutral. The inclusion of the SpaceClaim PLM Integration Module greatly expands the scope of PLM data that can be accessed and leveraged within SpaceClaim," said Michael McGuinness, COO of SpaceClaim Corp. "Many of our clients need to work within their corporate PLM environments, and our partnership with xPLM Solution, one of the leading providers of CAD/PLM integrations, enables seamless integration for SpaceClaim Professional 2007 with leading PLM systems such as SAP PLM, Teamcenter, and Agile."

"We are excited to partner with SpaceClaim and make available our J2xPLM Integration Platform and PLM connectors to SpaceClaim clients. SpaceClaim's open XML data format offered ready access to the design data and accelerated our integration efforts. xPLM Solution has been providing CAD/PLM integrations for more than 20 years. A good integration between product lifecycle management (PLM) systems and 3D applications is a prerequisite to effective and efficient engineering processes. This is even more important now as distributed design and engineering teams must collaborate across global supply chains." said Karl Wachtel, Managing Director of xPLM Solution. "SpaceClaim is filling a need in the market by providing an intuitive 3D design solution for design contributors that complements a client's existing CAD and PLM systems. We look forward to supporting their growing presence in the marketplace."

Benefits of the PLM Integration Module:

- SpaceClaim's PLM Integration Module provides a deep Integration with PLM objects & object structures
- The PLM Integration Module supports effective and efficient engineering processes and drives increased innovation
- The PLM Integration Module enables distributed and global design and collaboration of engineering teams across enterprises and supply chains
- CAD centric user dialogs deliver higher user acceptance
- Increased configurability delivers customer specific integration without the high cost of customized development
- PLM Integration Module can access multiple PLM and ERP sites in parallel
- One integration technology for multiple PLM / ERP applications

## Availability

The SpaceClaim PLM Integration Module is available from xPLM Solution in Q3 2007 and is available as an annual lease. The annual lease includes software right-to-use, updates, upgrades, and support services throughout the length of the term. For PLM integration availability, please visit: <http://www.xplm.com/>. Pricing for PLM system integration is \$500 per year for 3-year term and \$600 for 1-year term for each SpaceClaim Professional 2007 license.

SpaceClaim Professional 2007 is available through resellers world-wide and for purchase and download from the company's web site, <http://www.spaceclaim.com/>.

PLM system integrations include:

- SpaceClaim PLM Integration Module for SAP PLM, Powered by SAP NetWeaver certified

- Infor PLM, SSA Global, Infor LN

Additional PLM systems available on demand include:

- SpaceClaim PLM Integration Module for Agile 9
- SpaceClaim PLM Integration Module for Agile e6
- Others on request

 [Click here to return to Contents](#)

## ***Synopsys Announces DesignWare System-Level Library***

17 September 2007

Synopsys, Inc. announced the DesignWare® System-Level Library. The library provides high-performance SystemC transaction-level simulation models (TLMs) for assembling virtual platforms, including instruction set simulators (ISS), and TLMs of Synopsys' DesignWare Cores and ARM® AMBA® interconnect components. All DesignWare System-Level Library models are written in SystemC and work in IEEE 1666 (SystemC) compliant simulation environments, making them tool-independent.

Transaction-level models are the basic building blocks required to build virtual platforms for early hardware/software co-design, architectural exploration and system verification. Virtual platforms are fast, full-function simulation models of the hardware that enable development and integration of software months before hardware is available.

"The largest ESL market today is the software virtual prototype, and it could also be the fastest growing but for two issues," said Gary Smith, chief analyst of Gary Smith EDA. "First is a standard modeling language and second is a critical mass of models using that language. Synopsys' introduction of the SystemC based Transaction-level models in their DesignWare System-Level Library addresses both of these."

The DesignWare System-Level Library features more than 50 TLMs, including high performance models of ARM processors and models of DesignWare standards-based connectivity IP such as USB 2.0 HS OTG, SATA AHCI and AMBA interconnect components. Also included are pre-assembled models of complete platforms, such as the ARM Integrator™ Platform, which can be used as reference designs for driver development or as a starting point for building larger virtual platforms.

"One of the obstacles to faster adoption of electronic system-level development methodologies has been the lack of fast transaction-level models," said Joachim Kunkel, vice president and general manager of Synopsys' Solutions Group. "The availability of transaction-level models for our widely used DesignWare IP as well as third party components can significantly shorten the time required to build virtual platforms for pre-silicon hardware/software integration projects, architectural exploration and system-level verification."

### **Availability**

The DesignWare System-Level Library is available now. For more information, see <http://www.designware.com/sll>.

Synopsys offers a broad portfolio of high-quality, silicon-proven digital, mixed-signal and verification IP for system-on-chip designs. For more information on DesignWare IP, please go to

<http://www.synopsys.com/designware>.

 [Click here to return to Contents](#)

## ***Synopsys DesignWare USB 2.0 NanoPHY and PCI Express PHY IP Achieve Compliance in SMIC's 130-NM Process Technology***

20 September 2007

[Synopsys, Inc.](#) announced that its DesignWare® USB 2.0 nanoPHY IP achieved USB logo certification and its PCI Express (PCIe) PHY IP passed compliance testing when implemented in SMIC's popular 130-nm G process technology. As the leading technology provider of complete IP solutions for PCI Express and USB 2.0, Synopsys continues to provide designers with high-quality IP that can be integrated with low risk and speed time to market with increased interoperability and standards compliance.

Optimized for high-volume, power-sensitive applications, the DesignWare USB 2.0 nanoPHY IP provides the best combination of small area and low power. The PHY's unique tunability enables high yield and robust interoperability by allowing designers to quickly adjust for process variation and system parasitics. The DesignWare USB 2.0 nanoPHY is part of a comprehensive solution for USB protocol implementation including OTG digital controllers, host controllers, and verification IP. The silicon-proven DesignWare USB OTG solutions are currently shipping in volume in leading consumer, computing and wireless products.

Compliant with PCI Express 1.1, the DesignWare PHY IP for PCI Express offers the lowest power consumption (up to 50 percent lower than that of competitive solutions), as well as significant performance margin on the receiver and small die area. Its advanced built-in diagnostics engine and ATE test vectors enable at-speed production testing of the PHYs. Additionally, the DesignWare PHY IP for PCI Express offer a number of dedicated lane configurations from x1 to x8 that support both wire-bond and flip-chip packages. The DesignWare PHY IP for PCI Express is part of a comprehensive silicon-proven PCIe solution which includes endpoint, dual mode, root complex and switch IP as well as verification IP.

"Synopsys provides our customers with industry-leading USB and PCIe IP that offers a wide range of advanced features combined with excellent technical support," said Paul OuYang, SMIC marketing and sales. "Combining Synopsys' certified, silicon-proven IP with our manufacturing process technology enables designers to achieve their time-to-market goals, while providing a fast, low-risk path to volume production."

"Working with SMIC to silicon-validate and certify our PCIe and USB IP in their 130-nm G process technology shows our ongoing support to provide customers with industry-leading standards-based connectivity IP," said John Koeter, senior director of marketing for IP and Services at Synopsys. "We understand the critical need to provide designers with high-quality, certified IP solutions that continually evolve with advanced process technologies."

### **Availability**

The DesignWare USB 2.0 PHY IP, USB 2.0 nanoPHY IP and the PCI Express PHY IP for the SMIC's 130-nm process are available now.

For more information on DesignWare IP, visit: <http://www.designware.com/>.

 [Click here to return to Contents](#)

## ***Tensilica Joins Chip Estimate's Prime IP Partner Program***

17 September 2007

Tensilica, Inc. and Chip Estimate Corp. announced that Tensilica has joined the Chip Estimate Prime IP Partner Program. As a Prime IP Partner, Tensilica is enabling centralized access to information about the company's standard processor cores and configurable processor technology at [ChipEstimate.com](http://ChipEstimate.com). Tensilica IP solutions for system-on-chip (SOC) designs allow designers to create lower power, higher performance hardware and software for their integrated circuits.

ChipEstimate.com was launched in 2005 to provide comprehensive chip planning capabilities to the electronics and semiconductor community. In addition to the comprehensive IP catalog, designers can use the InCyte software available through the website to plan their next chips and explore die size, power, leakage and cost tradeoffs. Tensilica IP can now be searched for and considered in chip estimations through the portal.

"Tensilica has processor-based solutions for many different on-chip functions ranging from controllers to DSP to designer-configurable processors," commented Steve Roddy, Vice President of Marketing and Business Development, Tensilica. "By using [ChipEstimate.com](http://ChipEstimate.com) for centralized IP information and chip planning tools, designers will be able to find and see the impact and advantages Tensilica's IP offers in a chip plan context."

"The addition of [Tensilica](#) IP addresses the needs of the design community, especially those seeking low-power, high-performance programmable functions for multimedia, storage and networking device products," commented Sean O'Kane, Vice President of Business Development for Chip Estimate. "We are pleased to announce the addition of Tensilica to the Chip Estimate Prime IP Partner Program."

A complete list of Chip Estimate IP partners can be seen at <http://www.chipestimate.com/vendorlist.php>.

 [Click here to return to Contents](#)

## ***TradeStone Factory Footprint Aims to Eliminate Recalls and Ensure Product Safety***

19 September 2007

[TradeStone Software](#) announced TradeStone customers have gone live with TradeStone's new quality and social compliance tool – the TradeStone Factory Footprint™. A highly visible issue today for retailers is ensuring that products and the factories that produce sold goods are safe and conform to specific development guidelines. The TradeStone Factory Footprint is seamlessly embedded and integrated into the retailer/wholesalers' product development, sourcing and order process, allowing merchants to rest easy that the factories they are using or considering for production are operating and adhering to key rules and regulations. It also assures vendors are meeting the social, legal and ethical high standards set up by each retailer/wholesaler to guarantee all goods are compliant and tested for safe delivery.

The TradeStone Factory Footprint gives retailers enhanced visibility into supplier factory operations minimizing the risks associated with product safety, regulatory compliance and potentially late deliveries. Furthermore, the TradeStone Factory Footprint allows retailers to set up vendor and factory compliance inspections, schedule audits automatically, track product testing results and reschedule key

tests based on those results. In addition, the TradeStone Factory Footprint gives vendors and factories easy access to appropriate Code of Conduct documentation and certification requirements based on products produced and countries involved in the trading.

“As experts in integrated PLM for retail solutions, we understand and value the importance of compliance for retailers, especially given the national headlines recently around manufacturing errors that lead to product recalls,” said Sue Welch, CEO for TradeStone Software. “Since introducing the Factory Footprint, our customers are knocking down our door to integrate this product into their solutions. We are thrilled that the Factory Footprint is bringing peace of mind to key executives and stakeholders.”

The TradeStone Factory Footprint will also alert retailers in real-time if there is a problem in a factory, to guarantee that appropriate actions are taken immediately and the supply chain is not affected. This detailed view of the supply chain offers a better way for retailers to monitor production and track orders, while being assured that the factories producing those orders are complying with regulations and policies.

 [Click here to return to Contents](#)

## ***VISTAGY and ESI Group Expand Partnership to Provide Complete Structural Analysis Simulation Process for Composites***

20 September 2007

[VISTAGY, Inc.](#) announced an expanded technology partnership with [ESI Group](#). The partnership provides aerospace and automotive manufacturers with the most complete virtual 3D engineering environment for designing and analyzing products made of advanced composite materials. As a result of the agreement, composite product manufacturers will accelerate their development cycles while greatly reducing prototypes and ensuring product accuracy.

The companies now offer data integration between VISTAGY’s FiberSIM® software, which engineers use to design composite structures as well as store and share non-geometric definition data, and ESI Group’s SYSPLY for analyzing and optimizing those structures. Detailed design information in FiberSIM, such as fiber orientation or material properties, can be automatically and efficiently shared with SYSPLY, delivering the most accurate and up-to-date set of design details to a structural analysis simulation. This complete design-to-manufacturing development process ensures that engineers can validate product performance and manufacture accurate final parts that comply with strict engineering specifications.

VISTAGY and ESI Group originally partnered in 2002, resulting in tighter technology integration between VISTAGY’s FiberSIM and ESI Group’s PAM-RTM software for simulating resin transfer molding. Now, the companies have decided to provide integrated support to their world-wide customer base for a wider range of simulation methodologies such as thermo-mechanical analysis, forming, crash and optimization.

“Our partnership with VISTAGY has provided mutual customers with improved functionality and support for many of their most critical product development processes, and, by further advancing our collaboration efforts, we have raised the bar and achieved the most complete set of design and manufacturing analysis capabilities for composites development,” said Dr. Fouad el Khaldi, director of Marketing Virtual Performance and Virtual Manufacturing at ESI Group.

## CIMdata PLM Industry Summary

---

“The integration of our FiberSIM software with SYSPLY empowers design engineers and structural analysts with a suite of best-in-class tools for developing composite products,” said Dr. Olivier Guillermin, director of product and market strategy at VISTAGY, Inc. “With the onset of new design methods and manufacturing processes, it is especially important that simulation tools such as SYSPLY utilize detailed composite part definitions provided by FiberSIM in order to ensure accurate analysis results.”

 [Click here to return to Contents](#)