

Contents

CIMdata News	2
Autodesk: Solutions for the Auto Industry, a CIMdata Commentary	2
CIMdata Publishes "EADS PHENIX Programme: Institutionalising PLM as a Strategic Asset"	5
CIMdata Publishes "Solid Edge Insight XT"	6
Company News	8
Actify Joins 3D PDF Consortium as Founding Member	8
Aegis Analytical Teams up with Sequence	9
Altair and Herndonwood Associates Inc. Partner to Implement HiQube Business Analytics Solutions	10
AVEVA Celebrates its First 45 Years	11
Bentley Announces 2012 Student Design Competition Winners, Names Educator of the Year	13
Delcam Advanced Manufacturing Facility Expands Metrology and Machining	14
Fourth Annual TCS Technology Summer Camp Inspires Students to Pursue STEM-related Careers	15
GoEngineer Announces Partnership with Anark Corporation	16
Lattice Technology Joins the Aras Partner Program	17
LeanNova, Swedish Engineering Service Provider Chooses Altair ProductDesign as Strategic Development Partner	18
Mentor Graphics Capital Suite Accredited to IBM Rational Program	19
New Blanking and Flanging Simulation for TopSolid' Progress Thanks to Forming Technologies Inc.	20
Optitex Expands Offering through Partnership with McNeel	21
SAP Joins Codex of PLM Openness	22
Tata Technologies Completed the First Feasibility Study of its Electric Vehicle Using Dassault Systemes' 3DEXPERIENCE Platform	23
Events News	24
CADsoft Consulting Participating Sponsor in CAD Americas Training Event	24
Concepts NREC Turbomachinery Experts Available at Turbo Expo 2012 and Engine Expo 2012	25
Delcam's Latest CAM Developments on Show in Vietnam	27
Geomagic Demonstrates How Medicine Meets 3D at OMTEC 2012 Event	28
KARALIT Demos Subversively Simple CFD at ASME Turbo Expo 2012 in Copenhagen	29
RadCAM to Show Latest Radan Software at AMTEX	30
The Second ESI Global Forum Will Take Place in San Diego, USA, October 18 & 19	32
TST is Attending Amerimold 2012 to Showcase VISI	33
Financial News	34
Autodesk Extends Invitation to Join Webcast of Investor Event: Meeting with Autodesk Management	34
Dassault Systèmes: General Meeting of Shareholders	35
Dassault Systemes, the 3DEXPERIENCE Company, Reaffirms its Five-year Growth Target at its Capital Markets Day	35
ESI Group: increase in revenue in the 1st quarter of 2012/13	36
Implementation Investments	37
Alberto Makali Selects NGC's Global Enterprise Suite for PLM and ERP	37
Creation UK Deploys the HyperWorks Simulation Platform for a Wide Range of Vehicle Design Programs	38
RFMD® Announces Availability of Design Kits for Agilent Technologies' Advanced Design System 2011 Software	39
Simco, Ltd. Uses Mentor Graphics Inflexion UI to Develop Next-Generation Vehicle Instrument Cluster	

CIMdata PLM Industry Summary

Human Machine Interface _____	41
SOIC Selects Nupas-Cadmatic as their 3D CAD/CAM Software _____	42

Product News _____	43
Agilent Technologies' Newest 3D-EM Software Release Increases Integration with Circuit Design Flow _____	43
Announcing New CYA Extender for Symantec NetBackup _____	44
CAD Perfect® Conversion Service Now Available to Reprographics Shops and Scanning Services _____	45
Forming Technologies Announces Release of FormingSuite v10 and FTI CATIA V5-Based Software _____	46
Karmasphere Announces First Collaborative Analytics Workspace for Hadoop _____	47
Kubotek Announces KeyCreator 2012 _____	49
Lectra Announces Lectra Fashion PLM V3 _____	50
MathWorks Adds New Multibody Simulation Capabilities to SimMechanics for Simulink Users _____	51
Mentor Graphics Announces Flowmaster Two-Phase Advanced Thermo-Fluid Simulation Software for Power and Energy Markets _____	52
New Illustration Product Transforms Enterprise CAD and 2D Data _____	54
New Insight XT Microsoft SharePoint App Helps Solid Edge Users Simplify Design Data Management and Reduce Cost _____	55
Rev 11 Release of LMS Virtual.Lab Makes Virtual Simulation Even More Realistic _____	57
RS Components Adds over 2,000 New Automation and Control 3D CAD Models to its Online Library _____	58
Solid Edge ST5 Delivers More Than 1,300 New Customer-Driven Productivity Enhancements _____	59
Synopsys' LightTools Offers New Solutions for Lighting Systems Design and Analysis _____	61
TEEC and CSRF Team to Model and Automate Engineering Specifications _____	62
Theorem's First CATIA V6 JT CADverter Now Available _____	64
Universal Air Filter Upgrades to PARTsolutions for Online 3D Product Configurator and CAD Download Technology _____	65
ZWCAD+ Brings More Opportunities to Developers with the New APIs _____	66

CIMdata News

Autodesk: Solutions for the Auto Industry, a CIMdata Commentary

14 June 2012

Automotive industry manufacturers are well known for the adversities they face in the design and production of competitive products in their volatile consumer markets. They have, however, become known as leaders in innovative new product development. In particular, automotive OEMs set a forward looking example of excellence often emulated in other industries. The challenges the automotive sector confronts entail:

- Visual appeal with demands on mathematical, aerodynamic, and aesthetic disciplines
- Responding to increasing customer demands for personalization of “their” vehicle
- Product innovation and complexity across mechatronics systems of mechanical, electrical, and embedded software solutions
- Reducing cost through virtual simulation in numerous domains of structural, thermal, fluid dynamics, and injection molding
- Improved collaborative design, decision making and product visualization across the supply

value chain

- Manufacturing agility with asset management, production layout and optimization

As a leading technology solution provider to product development companies, Autodesk has expanded their presence in the automotive industry based on growth through product enhancements and technology acquisitions. In doing so, they have emerged as a viable partner at the enterprise level. Large scale enterprises require a broad, effective suite of products that provide support throughout the full product development cycle from planning and conceptual design, through detailed design modeling and simulation, to manufacturing set-up and tooling. Uniting applications across these complex development and production processes necessitates strong collaboration tools coupled with solid data and workflow management capabilities.

Five Pillars of Strength

Autodesk has done due diligence in studying the automotive industry with regard to the numerous processes and technology used to develop automotive products. They are following a solution strategy that builds upon their traditional strengths by expanding their capabilities and through targeted acquisitions all the while gaining in expertise working with automotive companies in the supply chains of the major OEMs. Today they position themselves upon five pillars of strength, often with an acknowledged best in class solution, as they move forward to partner at the corporate level.

Conceptual design—Almost every new product development begins with an idea and a concept drawing of the envisioned product. This reaches its height in automotive design styling where hundreds of millions of dollars can ride on the success or failure of a new design. Autodesk Alias is the recognized best in class solution for conceptual modeling. Known for its rich class A surface technology and its impressive visualization capabilities, Alias has become an industry standard for professional industrial designers. Coupled with Autodesk's attention for interoperability with major CAD applications, the Autodesk applications for conceptual design offer solid solutions for any automotive enterprise.

Engineering design—Product definition reaches its full clarity in detailed engineering design. Design engineers must draw from an extensive suite of tools to articulate their product designs. These tools need to be easy to use in order to deliver the productivity and innovation demanded by automotive manufacturers. Be it parametrically constraint driven or direct modeling, the designer looks for flexible workflows while management seeks the advantage of low total cost of ownership and efficient tools. Autodesk meets these challenges with their flagship Inventor design product. Add interoperability with Alias, 2D, and multi-CAD, and Autodesk offers enterprise level clients value-added solutions, together with integrated data management for workgroup productivity. Autodesk's long experience in the supply chain has allowed them to build effective and trusted interoperable solutions for companies that need to work with multi-CAD data coming from their many different partners and suppliers.

Simulation and analysis—Product evaluation in the virtual world provides both a major cost cutting opportunity in the product development process as well as an ability to develop more innovative products. The earlier in the product development process that simulation is deployed, the easier to make design changes and positively impact product cost and reliability. In addition, eliminating the need to do

CIMdata PLM Industry Summary

costly physical prototypes shortens the design delivery cycle and improves product quality and conformance to functional and regulatory requirements. Autodesk steps up to the challenge with their extensive simulation and analysis portfolio, which has grown over the past few years through an aggressive combination of acquisition, organic development and product integration. Autodesk is continuing to innovate and launch new offerings in addition to their current core offerings—Autodesk Moldflow, Autodesk Simulation CFD and Autodesk Simulation Multiphysics.

The automotive industry can particularly benefit from the applicability of Autodesk Multiphysics and CFD solutions to optimize thermal management of electrical components, hybrid-electric vehicle batteries, motor/generator components and other vehicle systems such as engine cooling. In addition, Moldflow's injection molding simulation can help enable major weight savings when coupled with innovative new materials ranging from long fiber thermoplastics to the introduction of new resin transfer based processes for low cost carbon fiber reinforced component manufacturing.

Collaborative visualization—Communication across diverse product stakeholders, including the supply chain, epitomizes enterprise level interaction. From supporting the product decision making process through real time visualizations to the final downstream production of broadcast quality marketing assets, Autodesk delivers best in class visualization solutions that make 3D models available to many different users. Beyond the collaborative solutions found in Alias and Inventor, Autodesk's deep involvement in the entertainment industry offers a continual stream of technology and capabilities such as those found in their 3ds Max Design and Maya solutions.

Manufacturing—The manufacturing equipment used to produce products, together with the plant buildings and manufacturing floor layout of the equipment, represent yet another important aspect of product development and delivery. Autodesk solutions have long been the tools of choice in the supply chain for equipment design and tooling. The lessons learned there in flexibility and cost-effective solutions now provide a foundation for Autodesk in their move into the full enterprise. In addition, Autodesk's presence in building information modeling (BIM) delivers added strength to their comprehensive solutions in manufacturing.

Autodesk's Factory Design Suite provides design, multi-CAD integration, review, visualization, and analysis of entire factory models. Combined with solutions for user customizable asset libraries and a cloud-based asset ecosystem, Autodesk solutions can help provide 2D and 3D interoperability for mixed design workflows on the production floor. They can also help companies perform facility layout optimization to get an early understanding on waste in transportation, machine utilization, energy consumption and other factors that must be considered in designing, constructing, and operating their production facilities.

Autodesk 360

Spanning all these solutions, Autodesk's new PLM 360 cloud based platform provides companies a highly flexible workspace within which to collaborate using workflows that extend across the full partner enterprise and organizational boundaries. Autodesk has used their expertise gained in working with supply chain companies to create a pragmatic, cost-effective solution that leverages the

CIMdata PLM Industry Summary

accessibility, scalability, flexibility, configurability, and instant-on usability of the cloud. PLM 360 enables companies to continually maintain a single source of information and process management.

Of particular interest are Autodesk's initial offerings of mobile apps including viewing and editing of 2D and 3D design files using Autodesk Design Review and AutoCAD WS. For example, Autodesk Design Review allows users to access design files directly on their iPad, iPhone, or iPod touch with the ability to mark up drawings. As Autodesk moves forward expanding on their cloud based technology, it will be delivering solutions that include supply chain design collaboration, quality and warranty related processes, marketing visualization production and collaborative sourcing.

Summary

Manufacturers in the automotive industry demand extensive, highly capable product development tools and environments. Yet, at the core of all their requirements they look for scalability, flexibility, and cost-effective solutions that can be applied across their entire value chain. Autodesk applications have long been associated with value in the supply chain companies that feed automotive OEMs worldwide. Today, with Autodesk's strategic attention to adding best in class applications, many automotive OEMs are also finding their needed solutions in the Autodesk portfolio. Autodesk has indeed emerged as a viable partner at the enterprise level.

About CIMdata

CIMdata, an independent worldwide firm, provides strategic management consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM). CIMdata provides world-class knowledge, expertise, and best-practice methods on PLM. CIMdata also offers research, subscription services, publications, and education through international conferences. To learn more about CIMdata's services, visit our website at <http://www.CIMdata.com> or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495.533.666.

 [Click here to return to Contents](#)

CIMdata Publishes “EADS PHENIX Programme: Institutionalising PLM as a Strategic Asset”

13 June 2012

CIMdata, Inc., the leading global PLM management consulting and research firm announces a new paper about the EADS PHENIX Programme, a large scale PLM harmonization, deployment, and institutionalization effort at the EADS Group, one of the world's largest aerospace and defense conglomerates. Launched in 2007, the goal of the PHENIX programme was to harmonize the group's PLM tools, processes, and associated standards to create a new PLM paradigm appropriate for all future and on-going civil, military, and space group product development programmes.

“CIMdata is always excited to review successful large-scale PLM programs, as they often reveal new potential best practices and highlight those that are well known,” said Stan Przybylinski, CIMdata's

CIMdata PLM Industry Summary

Director of Research. “Sponsorship comes directly from their Executive Management Team, and EADS has insured that all levels understand the importance of the program and their roles in it.” Peter Bilello, CIMdata’s President, continued, “EADS knew that to be successful, the PHENIX Programme needed to evolve from their initial PHENIX project to something more permanent, the PHENIX Harmonisation Centre, which will maintain and evolve their cross-organizational teams and processes going forward.”

The CIMdata report describes the various projects and activities undertaken by the extended EADS team, the organizational structures and processes used, and how the PHENIX Harmonisation Centre will support PLM for the long-term in the EADS Group.

The “EADS PHENIX Programme” report is available to be freely downloaded from CIMdata’s [Publications web page](#).

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic management consulting to maximize an enterprise’s ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding in 1983, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia-Pacific. To learn more about CIMdata’s services, visit our website at www.CIMdata.com, follow us on Twitter: <http://twitter.com/CIMdataPLMNews>, or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495 533 666.

 [Click here to return to Contents](#)

CIMdata Publishes “Solid Edge Insight XT”

13 June 2012

CIMdata, Inc., the leading global PLM management consulting and research firm announces a new paper about Solid Edge Insight XT, the next generation of Siemens PLM Software’s Insight data management solution. Built on the widely used Microsoft SharePoint platform, Insight XT provides Solid Edge customers with a solid data and process management solution that is easy to implement and use. Building on a decade of Insight experience (Siemens PLM Software’s other Solid Edge data management solution), and leveraging new SharePoint features, Siemens PLM Software now offers

CIMdata PLM Industry Summary

Solid Edge Insight XT, a new offering that leverages the best of the original Insight solution while providing significantly enhanced transparent and seamlessly Internet-enabled collaborative design management functionality for Solid Edge users.

Siemens PLM Software designed Insight XT to benefit Solid Edge MCAD installations in their traditional market segments: mechanical machinery and equipment, electrical and electronic equipment, plant equipment layout and design, automotive components, and tooling for jigs and fixtures. Siemens PLM Software positions Insight XT as a design management solution that enables “design data management and collaboration” for Solid Edge design departments in firms that do not require full-featured, extensive, and more expensive PLM solutions and who have neither the time nor the resources to invest in such implementations. The paper describes the added value of this new solution for Solid Edge customers, and how the Microsoft SharePoint platform enables them to leverage their existing IT infrastructure to immediately benefit from the integration of design data and processes with their other business processes.

The “Solid Edge Insight XT” paper is available to be freely downloaded from CIMdata’s [Publications web page](#).

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic management consulting to maximize an enterprise’s ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding in 1983, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia-Pacific. To learn more about CIMdata’s services, visit our website at www.CIMdata.com, follow us on Twitter: <http://twitter.com/CIMdataPLMNews>, or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495 533 666

Company News

Actify Joins 3D PDF Consortium as Founding Member

12 June 2012

Actify Inc. today announced that the company has become a founding member of the 3D PDF Consortium, an organization committed to promoting PDF as a platform for achieving 3D ubiquity. The 3D PDF Consortium organization is focused on standardizing on 3D PDF and the PRC data format for transforming visualization, communication and collaboration. It consists of a community of companies that employ 3D data in its solutions. With Actify's commitment to helping make all types of product data available to anyone, anywhere and at any time, 3D PDF is high on Actify's Viewing 2.0 agenda, making the membership a necessary and beneficial step.

"The 3D PDF Consortium is thrilled to welcome Actify as a founding member," says David Opsahl, Executive Director of the 3D PDF Consortium. "With its history in helping make 3D Data more available within the manufacturing industry, Actify's efforts in 3D PDF greatly align with the Consortium's goals."

"We fully support the mission of the 3D PDF Consortium," said Chris Jones, President and CEO of Actify. "As a company devoted to Viewing 2.0, which is all about making product data, specifically 3D data, easily and visually accessible enterprise wide, it is important for us to be able to produce 3D PDF as many companies are standardizing on this format. Being part of the 3D PDF Consortium allows us to be engaged and help formulate the latest 3D PDF innovations. This reinforces to our customers our commitment to democratizing product data for everyone."

About the 3D PDF Consortium

The 3D PDF Consortium is a community of software providers, systems integrators, government agencies, and businesses dedicated to achieving 3D ubiquity by leveraging the PDF platform. Our members look to the 3D PDF Consortium to demonstrate the success of these solutions within the market and promote 3D PDF as a solution to improve business results. The 3D PDF Consortium mission is to promote 3D PDF adoption through demonstrating best practices, providing technical input to the standards process, and generating awareness of the power of 3D-enabled PDF to solve a multitude of communication and collaboration challenges across various industries. For more information on the 3D PDF Consortium, please visit www.3DPDFConsortium.org and follow us on Twitter @3DPDFConsortium.

About Actify Inc

Actify Inc. is a privately held, global leader of Viewing 2.0 solutions that extract product data from different repositories including CAD, enabling businesses and their extended enterprise visual access, for anyone, anywhere, and at any time. Founded in 1996, Actify is headquartered in San Francisco, California with customer companies throughout the automotive, aerospace, industrial automation, and discrete manufacturing industries. For more information please visit www.actify.com and follow us on

Twitter @actify_inc or call 415.227.3800.

 [Click here to return to Contents](#)

Aegis Analytical Teams up with Sequence

12 June 2012

Aegis Analytical Corp. announced today it has certified Sequence, Inc. for the deployment and validation of Discoverant® software.

"With its extensive validation and quality expertise, the relationship with Sequence enhances the IT resources available to our customers," said Robert Di Scipio, Aegis president and CEO.

"Aegis' powerful data intelligence platform, which enables clients to maximize understanding and control of their processes, complements the regulatory-compliant services that Sequence offers in support of product lifecycle management," said Sequence President Mike Putnam.

ABOUT SEQUENCE

Sequence, Inc. is a leader in providing quality and compliance services to the pharmaceutical, biotech, and other regulated industries. It provides specialized expertise to assist clients with integration, validation, and ongoing support of cutting-edge technologies such as Aegis Analytical's Discoverant software platform. Through its knowledge, experience and integrity the company offers a level of service that is unsurpassed industry-wide. To learn more, please visit www.sequencevalidation.com

ABOUT AEGIS

Aegis Analytical Corp. provides Discoverant, a Manufacturing Process Intelligence software platform that enables manufacturers to produce regulated and specialty products more efficiently. Discoverant leverages existing IT investments and provides on-demand access, contextualization, analysis and reporting for all manufacturing, quality and process development data. Aegis' customers maintain lean supply chains and achieve operational excellence through improved process performance and predictability, and accelerated tech transfer and process scale-up. Aegis' Discoverant goes beyond business intelligence, to enable process intelligence which provides a deeper understanding of each process and product. To learn more, visit www.aegiscorp.com Follow Aegis on Twitter at: @discoverant.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Altair and Herndonwood Associates Inc. Partner to Implement HiQube Business Analytics Solutions

14 June 2012

[Altair](#) today announced that [Herndonwood Associates Inc.](#), headquartered in Bloomfield Hills, Mich., has become an implementation partner of Altair's [HiQube](#) business analytics and performance optimization platform. Herndonwood's professional services are strategically aligned across four practice areas to provide flexible, cross-functional delivery models that understand and can interact with all functional areas of an organization. The partnership brings a wealth of knowledge and professional services in technology, compliance, audit, accounting, and management expertise to the delivery of HiQube-based analytics solutions.

"Unlike traditional BI tools, HiQube's rapid deployment on existing infrastructure and ease-of-use quickly brings detailed business analytics to management levels that are most dependent upon this information in their daily activities," said Mark Stifter, partner for Herndonwood Associates. "We also see potential synergies with our other practice areas and are extremely enthusiastic about the opportunity to partner with Altair."

"Successful systems integrators and business consultants continuously evolve and build upon their solutions and services to increase their value proposition," said Miles Mahoney, president of HiQube. "This partnership is no different and underscores the new business opportunities that are possible by aligning deep domain knowledge with cutting edge technology. Herndonwood has invested the time to fully understand and innovatively apply our business analytics and optimization platform within the context of its professional services. We look forward to a successful, long-term partnership with Herndonwood and supporting its consulting engagements to increase its clients' overall business performance."

"Organizations require the ability to quickly analyze critical information and make strategic business decisions to align sales and marketing strategies in response to competitive and marketplace changes," said Mike Hoyer, director of Spreadsheet Risk and Compliance Services for Herndonwood. "Currently, much of this information is captured and stored in ERP and legacy business systems, but ultimately downloaded and manipulated in complex, critical spreadsheets and other end-user computing applications. HiQube's ability to generate detailed business analytics from critical spreadsheets and other end-user computing applications aligns perfectly with our Spreadsheet Risk and Compliance Services by ensuring that the data being relied upon is accurate and controlled."

Herndonwood Associates (www.herndonwood.com) is a privately held consulting firm that is strategically aligned into four service areas to generate an overlap of skills providing insight across key business functions. Herndonwood's responsive teams have a combination of public accounting and relevant industry experience, advanced degrees and market-leading certifications. Engagements are executed through flexible delivery models including consulting, co-sourcing and out-sourcing. This distinct operating model allows Herndonwood to deliver complete solutions to business problems that require a cross-functional delivery team. Additionally, it facilitates early awareness of issues and the timely presentation of recommendations allowing clients to make better-informed decisions.

About HiQube

HiQube is a simulation-driven analytics platform to maximize business performance. Unrivaled in speed for large data sets, HiQube uniquely leverages an embedded optimization engine that speeds and guides decision-making. As a complementary solution, HiQube enriches the value of existing IT investments by providing forward-looking insight to realize business objectives. To learn more, try HiQube live or download a free trial license, visit www.hiqube.com.

 [Click here to return to Contents](#)

AVEVA Celebrates its First 45 Years

13 June 2012

AVEVA announced today it is celebrating its 45th anniversary. Since its inception as a research project at the University of Cambridge in 1967, AVEVA has seen extraordinary growth, becoming one of the Cambridge technology success stories together with ARM, Autonomy and others. Having developed its first 3D plant design system (PDMS) in 1976, the company has expanded to 46 offices in more than 25 countries, achieving a market capitalisation of over £1 billion and developed relationships with some of the biggest names in the process plant, power and marine industries.

“Our visionary technology and global business operations have certainly been key factors, but the real foundation of our success lies in the long-term relationships we have established with EPCs, Owner Operators and Shipbuilders”, said Richard Longdon, CEO, AVEVA. “We have always operated, not only as a vendor of technology, but as an active member of the industries we serve. In our first 45 years, we have evolved with our customers and their markets, delivering software solutions that fundamentally reshape the quality and competitiveness of their businesses.”

“It’s great to look back and see how far AVEVA has come from our early CADCentre days and the contribution we’ve made to the process plant, power and marine software industry”, added Dave Wheeldon, CTO, AVEVA. “We have introduced many innovations that have changed the way that our customers work, improving project efficiency and the quality of their deliverables. From the start we have always worked closely with customers and listened to their needs. We’ve created an evolving and unmatched suite of products and services that customers rely on to create and operate the world’s most complex engineering assets.”

“Our ground breaking work with enterprise information management solutions has yielded truly amazing results for our customers”, said Derek Middlemas, COO, AVEVA. “Our open and interoperable technology gives companies the ability to unlock the potential of their information, from whichever source it originates. We’re helping to ensure that the right people have the right information in the right context and at the right time to make informed decisions. This provides an entirely new dimension to optimising projects and asset operations. Delivering enterprise solutions to our customer is a really rewarding part of our business and an excellent example of how AVEVA’s software solutions have evolved over the last 45 years.”

CIMdata PLM Industry Summary

James Kidd, CFO, AVEVA comments, “Since AVEVA floated as CADCentre back in 1996, we’ve had an extremely strong financial track record when compared with other companies in the software sector. This year we have again delivered record revenue and profit figures in a difficult global market. This is a real testament to what can be achieved when we stay focused on the needs of our customers and relentlessly work to develop exciting market strategies.”

“Good complementary acquisitions are fundamental to the growth objectives of the company and our ability to consistently deliver innovation,” explained Mat Truche-Gordon, Executive Vice President - Business Strategy. “We executed a number of high profile acquisitions over the last few years and most recently we have acquired bocad which has added a powerful structural detailing capability to our product portfolio. Whether it’s through internal development or acquisition, we are working hard to deliver the technology our customers want.”

“AVEVA’s revenue growth is testament to the strength of our product and solution offering”, added Hans van der Drift, Executive Vice President – Sales, AVEVA. “We have a very experienced sales and business development team with hands-on industry knowledge in over 25 countries around the world. It’s important to our customers that we’re on-the-ground close to their business, helping them to meet their project and operational priorities. We believe that this customer-centric approach is a key factor in the success of our customers and is one big reason why so many companies continue to select AVEVA as a trusted partner.”

Hilary Wright, Executive Vice President - HR and Business Services added: “AVEVA is proud to be a UK company with a very strong global presence. We have a significant UK work force, but an even larger international team that has been expanding rapidly especially in fast moving economies such as Russia, China, the Middle East and Latin America. Our people define AVEVA’s values and culture. Their commitment, hard work and loyalty are key drivers to our success. With 46 offices around the world and over 1200 colleagues, we have a great foundation for the future.”

Richard Longdon added further, “The fact AVEVA is a software company with 45 years of successful history speaks for itself. We are stronger than ever - still growing, innovating and capturing market share. There are many good reasons to be excited about the future of AVEVA and we are looking forward to our next 45 years!”

To learn more about AVEVA’s first 45 years visit www.aveva.com/45years.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Bentley Announces 2012 Student Design Competition Winners, Names Educator of the Year

13 June 2012

Bentley Systems, Incorporated, announced the winners in Bentley Institute's 2012 Bentley Student Design Competition, sponsored by *Be Careers Network*, and named Dr. Guenter Maresch, professor, University of Salzburg and University of Education Salzburg, as Bentley Educator of the Year. The Student Design Competition awards technically advanced projects that were created, using Bentley software, by university, college, technical, and high school students around the world, and acknowledges the achievements of the students' educators and mentors. The program fosters interest and growth in the architectural, engineering, construction (AEC), geospatial, and operations professions by encouraging students to explore the software and hone the skills they'll need as future members of the infrastructure community. The Educator of the Year award recognizes a member of the academic community who has an outstanding record of achievement and is committed to inspiring students to pursue careers in the infrastructure professions.

In the 2012 Bentley Student Design Competition, individual students and student teams from 11 countries submitted 79 projects in various categories depending upon their level of education. University and community college students submitted projects in four categories: "Innovation in Architectural Design," "Innovation in Road and Bridge Design," "Innovation in GIS Implementation," and "Innovation in Rendering and Animation." High school and technical school students submitted projects in the "Design a Transportation Center" category.

The winning projects in this year's competition are:

- *Integrating Elemental Learning Elementary School*, Morgan Danner and Desiree Edge, Rensselaer Polytechnic Institute, Troy, N.Y., in the "Innovation in Architectural Design" category;
- *Design of "Nowy Kleparz" Interchange*, Tomasz Majkusiak and Micha Marek, AGH University of Science and Technology, Krakow, Poland, in the "Innovation in Road and Bridge Design" category;
- *3D Geospatial Database for Underground Pipelines*, Suhaibah Azri and Uznir Ujang, Universiti Teknologi, Malaysia, in the "Innovation in GIS Implementation" category;
- *Leonardo da Vinci Project*, Iris Chipchev and Lital Toren, Shenkar College, Ramat Gan, Israel, in the "Innovation in Rendering and Animation" category;
- *Libman Airport*, Jonathan Libman, Randolph High School, Randolph, N.J., in the "Design a Transportation Center" category.

The winning students and projects in the 2012 Student Design Competition will be recognized at their respective schools. Additionally, winners or winning teams will each receive a scholarship and handcrafted award to display at their schools, and be able to choose 10 seats of Bentley software – from the more than 50 products available through the *Be Careers Network* academic subscription – for use by their schools.

CIMdata PLM Industry Summary

For additional information about the 2012 Bentley Student Design Competition winners and the Bentley Educator of the Year, visit www.bentley.com/winners.

 [Click here to return to Contents](#)

Delcam Advanced Manufacturing Facility Expands Metrology and Machining

14 June 2012

Delcam has expanded the range of equipment within the Advanced Manufacturing Facility at the company's Birmingham headquarters with the addition of a GOM ATOS ScanBox inspection cell for 3D metrology and reverse engineering, and a Hermle C50 UMT five-axis machining centre.

These latest additions form part of a more general expansion of the Delcam Professional Services subsidiary as demand grows for its process development and prototype manufacturing services. Delcam's unique in-house manufacturing facility was incorporated into DPS at the beginning of 2011, after the two groups had worked closely on a number of major projects. In each case, processes developed by the DPS team were proven within the AMF before being transferred onto equipment at the customer's site.

The GOM ScanBox contains the ATOS Triple Scan 3D sensor mounted on a robot, so combining the accuracy of the ATOS blue-light technology with the flexibility of the robot. This combination offers the highest resolution data from small, detailed parts, while also providing extremely fast scanning of large objects up to two metres in length. The point-cloud data generated can be used for either reverse engineering or inspection with Delcam software.

The Hermle C50 UMT machining centre offers five-axis machining through the incorporation of a trunion for the a axis and a rotary table to provide the c axis. This provides an alternative approach to the existing DMG, Mazak and Huron five-axis equipment and so increases the ranges of processes that can be undertaken and components that can be produced.

Another benefit is that the table within the Hermle can be rotated at up to 500 revolutions per minute, so giving mill-turn capabilities. The main milling spindle is locked in place during turning so that larger loads can be accommodated, while still retaining high speeds and accuracy.

The new equipment will increase the ability of DPS to help its clients to improve their manufacturing processes. These services are attracting increased demand, especially from the aerospace and power generation industries, as many companies now find that their engineering resource is needed to maintain their on-going operations, leaving them limited capacity to introduce new products and develop new processes.

The new equipment will also be used in testing new developments in Delcam's software. Being able to

CIMdata PLM Industry Summary

test developments on-site on industrial-sized equipment obviously gives Delcam a major advantage in proving out its programs before they are delivered to customers.

The manufacturing expertise gained from the AMF forms an important part of the comprehensive support given by Delcam to all its customers. As well as helping the development teams, the experience gained can be passed on to the support staff. They can use this knowledge to give software users more detailed advice on all areas of their work, including aspects like the best choice of machining strategy and cutter selection, as well as the operation of the software

 [Click here to return to Contents](#)

Fourth Annual TCS Technology Summer Camp Inspires Students to Pursue STEM-related Careers 14 June 2012

Tata Consultancy Services (TCS) today announced the completion of its fourth annual goIT summer camp in the greater Cincinnati, Ohio region - the culmination of the company's goIT program to engage students with technology in an effort to garner interest in pursuing Science, Technology, Engineering and Mathematics (STEM) related careers. The camp, run out of TCS' flagship North American software delivery center in Milford, Ohio, is focused on technology education, teamwork and global citizenship. Since its inception, the goIT program has reached over 1,700 students across 20 Ohio school districts through in-school workshops.

The TCS goIT program, which is free for all students, provides in-school IT career and awareness workshops and hands-on technology education. Throughout the school year, over 40 TCS volunteers conducted workshops and other training targeted toward introducing students to new technologies and providing IT career awareness. The technology workshop topics have included basic programming lessons and technology hot-topics such as Web 2.0, social media and mobile technology.

“TCS believes that an essential ingredient for vibrant, sustainable communities is a strong commitment to improving education, specifically the quality of and access to technology-related educational resources for students,” said Surya Kant, President, TCS North America, UK and Europe. “Today, fewer students are enrolling into technology-related degrees than ever before at a time when these skills are most in demand. To help curb this trend, TCS' goIT program seeks to engage and inspire high school students to pursue careers in science and technology.”

“I proudly support this technology program because it teaches students about the career prospects available in this growing field. In addition, I hope that this program as well as TCS will help turn Ohio into a leader in technology throughout the United States,” said State Representative Joe Uecker.

“Universities across the country have seen an alarming decline in students seeking degrees in STEM-related fields over the last decade and these are precisely the career fields that will offer the greatest opportunities for our next generation of workers,” said Santa Jeremy Ono, PhD, Senior Vice President

CIMdata PLM Industry Summary

for Academic Affairs and Provost, University of Cincinnati. “Getting today’s generation of learners excited about science and technology is critical to our nation’s future competitiveness on the world stage and programs like TCS’ goIT are an extremely valuable contribution to this goal.”

During the summer camp, students participate in a series of analytical and interactive challenges surrounding the IT industry and specific computer science problems. The highlight of the camp is a robotics competition which took place on June 13, in which student teams program robots under the guidance of TCS mentors and then compete in a series of challenges, such as obstacle courses and automation activities. At the end of the summer camp, students are recognized for their achievements at a Parent-Student award ceremony.

Recent statistics show that over the past decade, university enrolment in STEM-related fields has decreased by over 60% in the US; while in 2012 alone, over 150,000 tech jobs are projected to be available, leading to roughly 2.5 jobs available for every IT graduate in the US. The goIT program began in the Cincinnati area four years ago to help combat this negative trend and has expanded to include two additional cities reaching over 25 individual schools. In addition to the Cincinnati area, goIT summer camps will also take place this year in Columbus, OH, and Midland, MI. In the coming years, TCS plans to expand the goIT program’s reach to more high school students throughout the US.

[!\[\]\(397cc4c04b5e7ea225dbaa029a5dee1f_img.jpg\) Click here to return to Contents](#)

GoEngineer Announces Partnership with Anark Corporation

12 June 2012

GoEngineer, a value added reseller for SolidWorks 3D product design software and other software for product design and development customers, partners with Anark to offer MBEWorks software for repurposing SolidWorks native parts and assemblies into powerful and free to view 3D MBE documents.

MBEWorks allows SolidWorks users to reduce the costs associated with communicating dimension and tolerance information to their internal organizations, suppliers and customers. With MBEWorks, users can replace redundant, hard to interpret and expensive 2D drawings with a single, complete and easy to interpret 3D Model Based Definition (MBD) document.

With MBEWorks you can easily turn your SolidWorks 3D Parts and Assemblies with 3D Dimension and Tolerance data into 3D MBE Technical Data Packages (TDPs), Requests for Quotes, Digital Work Instructions, Inspection Documents and other 3D PDF and 3D HTML based manufacturing process documents.

“We have been looking for a solution which will enable our customers to reduce the time and cost required to deploy engineering data downstream to manufacturing and supplier processes. MBEWorks fits the bill. It is the best solution we have found for transforming native CAD Models (parts, assemblies, 3D dimensions and tolerances) into “fit for purpose” manufacturing process documents.

CIMdata PLM Industry Summary

These 3D MBE documents eliminate the need for costly 2D drawing creation, are linked to the 3D model, and enable parametric documentation that remains in sync with project changes and revisions. Additionally, these documents are distributed via low cost and free to view deployment methods based on the Free Adobe Reader and Free HTML Web platforms”, said Ken Coburn, GoEngineer Founder and President.

“Products like MBEWorks further enhance the investment into automated and lean processes made by our customers. It is one of those key pieces of technology that enables us to help customers increase speed and quality in a single step”, adds Coburn.

About GoEngineer

GoEngineer, Inc., is a unique business partner and has been helping engineering, manufacturing, and product design companies innovate and stay competitive for over 27 years. GoEngineer provides best-in-class solutions from SolidWorks, Stratasys, CAMWorks, Altium and Oracle Agile PLM. These products—combined with training, services, and technical support resources throughout the Western and South Central United States—assure customer success. GoEngineer’s unique JumpstartSM rapid implementation services focus on assuring that customers quickly realize value from their software investment. Aided by GoEngineer’s staff of experts with real-world experience in design, engineering, and manufacturing, customers’ businesses rapidly become more productive, efficient and competitive. Call 1.800.688.3234 for more information.

About Anark

Anark Corporation provides powerful enterprise software and solutions to manufacturing organizations that need to cost-effectively utilize their 3D CAD data and manufacturing information for design collaboration, manufacturing work instructions, visualization, and technical documentation applications. Anark has an unrivaled track record for delivering successful PLM and 3D visualization solutions for the industry's most demanding and innovative customers. Please visit <http://anark.com> for more information about Anark.

 [Click here to return to Contents](#)

Lattice Technology Joins the Aras Partner Program

13 June 2012

Aras® today announced that Lattice Technology, a developer of 3D digital manufacturing software, has joined the Aras Partner Program. Headquartered in Tokyo, Japan, with offices worldwide, Lattice Technology serves the Global 500 and their supply chain, enabling companies to accelerate time to market, increase product quality and reduce costs. The company has more than 500,000 users at 2,000 companies including market leaders Canon, Hitachi, MAN Trucks, SONY and Toyota.

Lattice Technology solutions use the XVL format to correctly condense 3D data making it possible to be used on regular desktop hardware while at the same time retaining the usability and functionality needed

CIMdata PLM Industry Summary

by manufacturers. The company's software is easily integrated with enterprise IT to facilitate quicker and more precise development of parts and products. Lattice solutions provide ample support in two key areas of digital manufacturing: Digital Mockup and Documentation for Manufacture. This allows manufacturers to create digital mockups, process designs, kinematic simulation, design review, process instructions and illustrations. To learn more about Lattice Technology please visit <http://www.lattice3d.com>

"Lattice Technology solutions enable manufacturers to seamlessly leverage their 3D CAD data in design review, BOM and parts lists, print and digital work instructions and more. We welcome Lattice Technology to the Aras Partner Program and we look forward to bringing the capabilities of their technology to the Aras community," said Peter Schroer, President of Aras.

 [Click here to return to Contents](#)

LeanNova, Swedish Engineering Service Provider Chooses Altair ProductDesign as Strategic Development Partner

12 June 2012

Altair today announced that LeanNova, a newly founded engineering services provider for the automotive industry, has chosen [Altair ProductDesign](#) and its competences in optimization, light weight design, simulation, and vehicle development as its strategic partner for several projects in the automotive industry.

LeanNova Engineering AB was founded by a management team formed of previous Saab Automotive AB employees. The company offers a strong automotive system capability, combined with a profound understanding of how to integrate technical, legal and customer requirements into an optimized end product. LeanNova Engineering is owned by Fouriertransform, a governmental run and financed venture capital, which will develop LeanNova to be a leading, well established and recognized engineering company within the automotive industry. LeanNova offers profound OEM experience with complete vehicle development and integration, a strongly mathematical and simulation based process, prototype build and test lab capabilities as well as extensive experiences within the global automotive market and its requirements.

"We are very happy to partner with Altair ProductDesign for our first major projects in the automotive industry," said Martin Oman, Chief Operating Officer at LeanNova. "We wanted a partner that had a local presence by our automotive OEM clients and Altair ProductDesign fit that role perfectly. Their engineers will enforce our own engineering team and contribute to our projects with their experience in virtual automotive development, and their simulation driven design methodology. We know Altair and the ProductDesign team well from former projects for companies such as Saab, Opel, GM, and FIAT and will continue the good work with projects for former and new customers."

"We are very pleased about the new partnership with LeanNova and are looking forward to projects throughout Europe," said Royston Jones, President, Altair ProductDesign. "I am sure that we will

CIMdata PLM Industry Summary

contribute to the success of LeanNova with our experience in optimization and vehicle development. Due to CO2 emission regulations and increasing fuel prices, it becomes more and more important to build lighter, more efficient vehicles. One of our key experiences is in light weight design and we advocate the concept of a simulation driven approach to address today's design challenges. "

About LeanNova Engineering AB

LeanNova is an independent engineering company sprung out of Saab Automobile engineering. The company offers the unique combination of strong automotive system capability, combined with a profound understanding of how to integrate technical, legal and customer requirements into an optimized end product. Technical competence, lean integration process and a holistic view on automotive engineering results in maximum benefits for our customers. For more information please visit: www.leannova.se.

 [Click here to return to Contents](#)

Mentor Graphics Capital Suite Accredited to IBM Rational Program

14 June 2012

Mentor Graphics Corp. today announced that its [Capital® tool suite](#) has been accredited to IBM's "Ready for IBM Rational" program. This program validates integrations between the Rational Software Delivery Platform and adjacent applications such as the Capital tool suite, ensuring mutual customers benefit from seamless interoperability. Furthermore, Mentor Graphics was highlighted as a Rational 4.0 launch partner at IBM's recent Innovate 2012 event.

The integration delivered is between Capital, the Mentor® solution for electrical systems design, and Rational Team Concert (RTC), IBM's comprehensive project management environment. The integration focuses on the management of design change. Data links are created between the Work Items in Rational Team Concert that manage project tasks, and the implementation of design changes in the electrical domain via the Capital Engineering Change Order functionality. Automatic, bi-directional data propagation is supported ensuring data is properly synchronized.

Martin O'Brien, general manager of the Integrated Electrical Systems Division at Mentor Graphics, said, "Design change is a daily event in the electrical domain. Capital has very powerful design change management capabilities, and this integration allows direct linkage with the Rational project management environment. Digital continuity is created between the project manager and the engineers implementing their assigned tasks, maximizing visibility and minimizing the potential for errors."

Complex design projects such as automobiles and aircraft require collaboration across multiple disciplines. Several approaches to tool integration are available: the Capital – RTC integration is achieved using Open Services for Lifecycle Collaboration (OSLC) technology, specifically the Jazz application collaboration platform. O'Brien added, "We recognize the power of collaboration platforms as best-in-class technology to achieve tool and data integration. This development will surely benefit

CIMdata PLM Industry Summary

many customers in the transportation industry.”

The Capital product line is a powerful software suite that provides a complete electrical engineering environment from early stage electrical architecture definition, through detailed electrical system and wire harness design, to harness manufacture and service documentation. Built to integrate with multiple adjacent domains, the Capital suite is particularly targeted at aerospace, automotive and military equipment applications. The Capital – RTC integration is fully released, available from Capital version 2011.1 onwards.

 [Click here to return to Contents](#)

New Blanking and Flanging Simulation for TopSolid'Progress Thanks to Forming Technologies Inc.

11 June 2012

Missler Software and Forming Technologies Inc. (FTI) are pleased to announce that FTI will be the new Missler Software partner for blank shape development, stamping, and flanging simulation for its TopSolid'Progress software solution. FTI is the world's leading provider of software solutions for the design, feasibility, and costing of sheet metal components.

Top of the range stamping simulation

TopSolid'Progress provides all the required functions to help die designers compute sheet metal blanks, design the strip layout and dies far faster than with standard CAD software.

The implementation of FTI technology in TopSolid'Progress offers many improvements. Developed blank shapes are more accurate thanks to FTI's Coupled Hybrid Inverse (CHI) solver, which provides a better simulation of the shift in the neutral axis. During strip layout design, FTI's accurate representation of real world forming conditions in local flanging operations brings accuracy, reliability and productivity to the geometry development for each operation.

Thanks to the cooperation between FTI and Missler Software, TopSolid'Progress customers now have more comprehensive stamping tools at their disposal thereby enabling them to achieve higher performance and quality.

FTI is proud to partner with Missler Software on this project. According to Dan Marinac, Director of Business Development for FTI “We are pleased to work with Missler Software, a leading CAD/CAM developer. FTI offers TopSolid customers world class optimized blank development and flanging simulation giving them an essential advantage in today's highly competitive progressive tooling industry.”

Dominique Laffret, Vice President of Strategic Relationships at Missler Software, goes on to say that “Our collaboration with FTI corresponds with our customer needs to reduce design times and improve the quality of their progressive tool design by using unstamping simulation. It is logical for Missler

CIMdata PLM Industry Summary

Software to work closely with FTI who is a leading simulation provider, to offer our customers the most modern and optimised tools on the market for progressive tool design. We expect the Return on Investment for our customers to be less than 6 months.”

About Missler Software

Missler Software is one of the leading global suppliers of CAD, CAM and ERP solutions with its product line TopSolid. Missler Software offers a uniquely integrated solution for the mechanical engineering industry (general mechanical design, special machinery, tooling, boilerwork ...) and for sheet metal and wood industries.

Thanks to its advanced technology and its fully integrated solution, Missler Software is experiencing rapid growth in the global CAD/CAM market. For further information contact info@topsolid.com or visit www.topsolid.com

About Forming Technology Incorporated (FTI)

Forming Technologies Incorporated is the world's leading developer of computer aided engineering software for design and simulation of sheet metal components. For the past 23 years, FTI has provided OEMs and suppliers in the automotive, aerospace and appliance industries with innovative software and training solutions designed to reduce development time and material costs. FTI has trained over 12,000 engineers in Formability and Die Design and is considered the Best in Class around the world for their industry training programs. For information visit the company's website (www.forming.com)

 [Click here to return to Contents](#)

Optitex Expands Offering through Partnership with McNeel

11 June 2012

OptiTex is proud to present its expanded offering for the textile market's production challenges, through a new partnership with McNeel.

The partnership couples McNeel's rapid prototyping and 3D modeling advantages with OptiTex's flattening algorithms, technical pattern making capabilities and 3D physical simulation. The joint solution digitally connects design and prototyping divisions with the relevant visualization, pattern making and production floors departments. The witnessed outcome is a reduction in the number of physical samples, which are replaced by multiple, customizable virtual prototypes. Technical and engineering departments can now respond faster and better, to the ever-growing needs of design, management and merchandise divisions.

"The partnership enhances OptiTex's offering to our target markets, proving once again that by working with other like-minded companies, OptiTex can bring worthwhile technology to the apparel, automotive, aeronautics, industrial fabrics and upholstery industries." Says Sagi Shani, CTO "OptiTex is most

CIMdata PLM Industry Summary

successful when we act as trusted advisors to our customers, working closely with them to shape emerging technologies into productive and profitable tools."

About McNeel

Founded in 1980, McNeel is a privately-held, employee-owned company with sales and support offices and affiliates in Seattle, Boston, Miami, Buenos Aires, Barcelona, Rome, Tokyo, Taipei, Seoul, Kuala Lumpur, and Shanghai with more than 700 dealers, distributors, OEMs, and training centers around the world. Our focus has been on developing and publishing specialty Windows software for designers, engineers, and fabricators, and their related support staff, being Rhinoceros, 3D Modeling for designers, our main product. McNeel: www.mcneel.com Rhinoceros: www.rhino3d.com

About OptiTex

OptiTex is the leading provider of 2D and 3D CAD/CAM, and Virtual Prototyping software solutions for the apparel, automotive, aeronautics, industrial fabrics and upholstery industries. OptiTex presents these industries with easy to implement, open and innovative software systems for automating and optimizing their production manufacturing operations and virtual prototyping capabilities. These proficiencies enable OptiTex's customers to significantly lower costs, quicken their time to market, and become more competitive.

 [Click here to return to Contents](#)

SAP Joins Codex of PLM Openness

11 June 2012

In an effort to support the highest standards of openness and development in the area of product lifecycle management (PLM), SAP AG has signed the Codex of PLM Openness (CPO). SAP has been involved in the development of CPO since its onset and is committed to both implementing the CPO requirements in product development and supporting the future development of the initiative.

The CPO defines criteria for the openness of IT solutions used in PLM in order to help ensure that data created throughout the product life cycle can be used throughout the business as well. ProSTEP iViP has driven the CPO in close cooperation with PLM software users, PLM software vendors and implementation partners. The initiative describes a common understanding of the openness of systems in the context of PLM.

Because SAP holds openness to be an essential element in its solution strategy, the elements of the CPO are vital to the company's developments in PLM software. SAP respects the need for openness in information systems for customers in order to assist them in their best long-term IT strategy, and has been committed to this goal for over 40 years, both in its broad product portfolio and as a major PLM software vendor. The SAP® PLM application is a source code open system that offers a variety of open interfaces through which other systems can be linked to help ensure data consistency and an integrated process flow.

CIMdata PLM Industry Summary

"As a software provider, it is important for us to be a trusted partner for our customers, working together in their often heterogeneous and complex system landscapes," said Hans Thalbauer, senior vice president, Solution Management, SAP PLM. "Openness is therefore a natural design goal for SAP and has been a part of our PLM systems for many years. With our customers and partners, through these efforts we have expanded the common benefit. The Codex of PLM Openness is an important initiative to all those with a common basic understanding of openness provided by IT systems."

 [Click here to return to Contents](#)

Tata Technologies Completed the First Feasibility Study of its Electric Vehicle Using Dassault Systemes' 3DEXPERIENCE Platform

13 June 2012

Dassault Systemes today announced that Tata Technologies' heavy use of Dassault Systemes' 3DEXPERIENCE platform, based on Version 6 technology, for its recent small urban electric vehicle study -- the eMO (for electric MObility), enabled Tata Technologies to complete the project quickly and accurately. The eMO study was undertaken to demonstrate the feasibility of developing an electric vehicle at an attractive price, and at the same time confirming their global experience, knowledge and innovation capabilities.

"We needed a highly regarded partner for this project, as we were relying on it to showcase our multi-dimensional approach to vehicle engineering and development," said Kevin Fisher, president, Tata Technologies Vehicle Programs and Development (VPD) Group. "We have a deep history with Dassault Systemes and were confident that CATIA and ENOVIA V6 applications would help us leverage the talents of a global engineering team to meet numerous design and cost constraints, as well as create the targeted user experience, including a final vehicle price tag of under \$20,000."

A significant challenge in the development process was the requirement to fit all the required vehicle systems into a small footprint while maintaining spacious seating for four adults. To achieve this, Tata Technologies utilized the powerful capabilities within CATIA and ENOVIA applications to quickly develop various studies, allowing global collaboration to rapidly evaluate and converge on optimal solutions.

"Tata Technologies' eMO project was run using our 3DEXPERIENCE platform to prove that from the designers' perspective, to the engineers' perspective, all the way up to the driver experience, we can provide the necessary applications to turn ideas into products fast and effectively," said Monica Menghini, executive vice president, Industry, Dassault Systemes.

The development of the eMO was also a global effort, requiring collaboration among more than 300 Tata Technologies engineers from different geographies, including the U.S., Europe and India. 3DEXPERIENCE became the common language for the extended team and allowed rapid comparison

of proposals, leading to swift decisions and innovative solutions.

"Tata Technologies is a key business partner for us and we see its innovative and forward-looking project as the perfect example of how our 3DEXPERIENCE platform is critical to collaboration with OEMs for accelerated development cycles," continued Menghini.

Dassault Systemes' 3DEXPERIENCE platform was also extensively used for collaboration, allowing multiple team members to view pertinent data in real time. In addition, it allowed more time for testing of different design features aimed at reducing energy consumption, such as vehicle weight, rolling resistance and aerodynamics.

 [Click here to return to Contents](#)

Events News

CADsoft Consulting Participating Sponsor in CAD Americas Training Event

12 June 2012

CADsoft Consulting Inc. will be participating at a [CAD Americas](#) Training event in Phoenix on September 13, 2012. CAD Americas training offers attendees an opportunity to expand their [Autodesk](#) software skills. An information-packed agenda that includes CAD Americas and CADsoft Consulting instructors will be sharing industry best practices and trends, product tips and tricks, and 2013 new product features. Once known as CAD Camp, this popular one day event is now being managed by CAD Americas who is hosting 19 events across the U.S. and Canada. The event in Phoenix will be held at the ITT Tech Campus located 10220 N. 25th Avenue, Phoenix, AZ, 85021.

The agenda consists of five different tracks; General Design and Drafting – AutoCAD, Infrastructure Design – AutoCAD Civil 3D, Architecture Design – Autodesk Revit Architecture, CAD Management and Communications, and Skills to Transform Your Business. CADsoft Consulting will be offering courses in each track by our AEC Technical Consultants.

"CADSoft Consulting has its finger on the pulse of what's important to the Arizona and New Mexico markets," said Tim Bostwick, Program Manager for CAD Americas. "Being a Track Sponsor at CAD Americas demonstrates its thought leadership and showcases its extensive consulting talent. We're honored to have CADSoft Consulting involved in the CAD Americas program this year."

To learn more, review the agenda, and register, go to <http://www.cadamericas.com>.

About CADsoft Consulting

CADsoft Consulting is an authorized Autodesk Value Added Reseller (VAR) offering full-service consulting, training and support. For the past 21 years, CADsoft Consulting's unique services are sought after by an impressive list of architectural firms, engineering companies, government agencies, and

CIMdata PLM Industry Summary

academic institutions. CADsoft Consulting is a Gold Partner providing solutions for architecture, engineering, construction, civil engineering, geospatial, utilities, and academic solutions. In addition, CADsoft is an Autodesk Authorized Training Center (ATC) with locations in Tucson & Tempe, Arizona, and Albuquerque, New Mexico. For more information, please visit our website: <http://www.cadsoft-consult.com>.

 [Click here to return to Contents](#)

Concepts NREC Turbomachinery Experts Available at Turbo Expo 2012 and Engine Expo 2012 8 June 2012

Concepts NREC (CN) today announced that its turbomachinery experts will present two technical papers at ASME Turbo Expo, at the Bella Center in Copenhagen, Denmark, June 11-15, 2012. The papers will highlight the use of modern design software to develop asymmetric twin-entry turbines and ported shroud compressor housings, both used in turbocharging. CN will also present an overview of its design software, Agile Engineering Design System(R), on the exhibitor stage, and will be exhibiting in Booth #2109. Concurrently, CN will be exhibiting at Engine Expo 2012 in Messe Stuttgart, Germany, June 12-14, 2012, Hall 3 Stand 3249.

Technical Paper Presentations at Turbo Expo On June 12 at 11:45 a.m., during the session "Turbochargers: Design and Optimization," Dr. Nicholas Baines, Distinguished Corporate Fellow, will present the paper "Meanline Modeling of Radial Inflow Turbine with Twin-entry Scroll." Twin-entry turbines are widely used in turbocharging as a means of using the exhaust pulse energy of multi-cylinder engines. For modern engines where high levels of exhaust gas recirculation (EGR) are required, an asymmetric twin-entry turbine has been shown to have considerable advantages; however, such turbines require a more developed approach to analysis and design than usual. Dr. Baines will describe the meanline model for a radial inflow turbine with a twin-entry scroll that has been developed to address this.

On June 14 at 3:00 p.m., during the session "Centrifugal Compressors IV (Design and Optimization)," Dr. Shuo Li, Senior Engineer, Software Trainer, and Project Manager, will present the paper "Meanline Modeling of Ported Shroud Turbocharger Compressor." The requirements for higher fuel economy and better diesel and gasoline engines demand a wider range in turbocharger compressor operation. Ported shroud compressor housing is one of the most commonly used techniques for compressor map width enhancement. Although the general mechanism of such a flow feature is well understood, there are no readily available design tools to guide the engineers at the preliminary design stage. Designers have had to rely on three-dimensional (3D) CFD tools to sort out many design variables, but these tools can be prohibitively expensive. In this presentation, Dr. Li will explain how to develop a ported shroud compressor model on top of a commercial meanline compressor design program to obviate the need to use expensive 3D CFD tools.

CN Design Software Presentations at Turbo Expo On June 12 at 2:30 p.m., CN's Senior Vice President of Software and Chief Engineer, Dr. Colin Osborne, will deliver the presentation "Clean Sheet

CIMdata PLM Industry Summary

Turbocharger Designs Using Expanded Agile Turbomachinery Systems from Concepts NREC" on the Exhibitor Presentation Stage.

In Booth #2109, CN's Drs. Osborne, Baines, and Li, as well as Dr. Louis Larosiliere, Director of Aero/Hydro Design, and Fred Becker, Director of Engineering Sales, will be on hand to discuss any turbomachinery challenges that attendees may have, and to demonstrate the Agile Engineering Design System, the only commercially available design and analysis software that encompasses and integrates the entire engineering process for radial, axial, and mixed-flow turbomachinery components.

Turbo Expo Presentation Details Session: "Meanline Modeling of Radial Inflow Turbine with Twin-entry Scroll" Presenter: Dr. Baines

Date: June 12, 2012 Time: 11:45 a.m. Location: Room BV1/TB-20-6

Exhibitor Stage Presentation: "Clean Sheet Turbocharger Designs Using Expanded Agile Turbomachinery Systems from Concepts NREC"

Presenter: Dr. Osborne Date: June 12, 2012 Time: 2:30 p.m.

Location: Exhibitor Stage

Session: "Meanline Modeling of Ported Shroud Turbocharger Compressor" Presenter: Dr. Li Date: June 14, 2012 Time: 3:00 p.m.

Location: Room AUD 15/ThC-38-4

CN at Engine Expo Optimizing turbocharger design and development has become increasingly important as governments around the world demand compliance with increasingly stringent emission and noise regulations. CN's Turbomachinery Specialist Carl Fredriksson, and Managing Director of EMEA Illias Mustafa will be on hand in Hall 3 Stand 3249 to discuss how the unique combination of CN's turbomachinery design expertise and comprehensive CAE/CAM software helps organizations with the design and development of turbochargers, an integral element of engine development today.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Delcam's Latest CAM Developments on Show in Vietnam

8 June 2012

Delcam will demonstrate the latest versions of its range of CAM software at the MTA Vietnam exhibition to be held in Ho Chi Minh City from 3rd to 6th July. Delcam employs the largest team of CAM developers of any supplier and the results of their work will be seen in latest releases of PowerMILL for high-speed and five-axis machining, FeatureCAM for feature-based programming, PartMaker for Swiss-type lathes and turn-mill equipment and the Delcam for SolidWorks integrated CAM system.

Together, these programs comprise the world's most comprehensive range of CAM software from a single supplier. This broad coverage is one of the reasons why Delcam has been ranked as the world's leading specialist supplier of NC software and services by US analysts CIMdata for the past eleven years. It means that large companies can source all of their CAM requirements from a single supplier, while smaller organisations can be sure that they can obtain exactly the software they need, rather than having to accept a compromise solution.

The 2012 R2 version of Delcam's PowerMILL CAM system for high-speed and five-axis machining includes new and enhanced strategies for both roughing and finishing, such as step cutting within area clearance and the ability to use polar milling when programming machines with a rotary table. Full details of both the 2012R1 and R2 releases, including videos demonstrating the new functionality, can be seen on www.delcam.tv/pm2012/lz.

The 2012 R2 release of FeatureCAM also includes important new strategies for roughing and turn-mill operations, alongside a range of more general enhancements to allow faster toolpath generation. The main addition is a series of new strategies for 2.5D roughing, including a continuous spiral option to minimise wear on the cutter and machine tool, high-speed roughing options, including trochoidal machining and Delcam's patented Race Line Machining, and "tear-drop" moves to clear corners more smoothly. Videos of this functionality can be seen on www.delcam.tv/fc2012/lz.

Major highlights of the 2012 release of PartMaker include improved visualisation, more powerful simulation of vertical and horizontal machining centres, support for the latest breed of multi-axis bar-fed mills, turn-mill centres and Swiss-type lathes, greater flexibility and control in process development. New rotary machining functionality allows the user to perform 3D surface machining using cylindrical interpolation, while the software's powerful Full Machine Simulation technology has been extended to vertical and horizontal machining centres. These options can be seen on www.delcam.tv/pmk2012/lz.

Finally, the 2012 R2 version of Delcam for SolidWorks, the integrated CAM system for SolidWorks, includes new modules for b-axis turn-mill and four-axis wire EDM, plus numerous improvements to the existing functions for rough milling and finishing. As a Gold Partner CAM product, it is, of course, fully compatible with the latest release of SolidWorks. To see more, please go to www.delcam.tv/dfs2012/lz.

 [Click here to return to Contents](#)

Geomagic Demonstrates How Medicine Meets 3D at OMTEC 2012 Event

11 June 2012

Geomagic,[®] today announced it will showcase best practices and output from its customers' digital orthopedic product workflows at this week's [OMTEC 2012 event](#) in Chicago beginning Wednesday, June 13th. As orthopedic implant manufacturers work to apply the latest technologies to their patient-specific implant processes, Geomagic's customers demonstrate the results that are made possible when medicine meets 3D capture, touch-enabled design, 3D inspection and digital manufacturing technology.

Speakers and exhibits at OMTEC 2012 will depict the use of Geomagic's products in the latest materials for the ultimate in personalized fit, form and function. For example, Level 3 Inspection's Bill Greene will outline the advantages of Computer Aided Inspection for orthopedic implants as a way to deliver better patient-specific forms, faster, with fewer iterations, less waste, and lower cost. Bill will be presenting at the conference on Thursday June 14, at 10 am CT.

Geomagic will be demonstrating its Freeform[®] Modeling System for organic design and preparing files for manufacturing. Level 3 Inspection also will join Geomagic and demonstrate its scanning solution using Geomagic Qualify for inspection and analysis.

“Advanced software is allowing us to solve clinical problems we couldn't even begin to touch before, and Geomagic's solutions are at the heart of the innovation,” said Barry Fell, president of Thermoplastic Products Corp. in Hummelstown PA, who designs and prototypes custom orthopedic implants.

By using Geomagic's suite of 3D solutions, including Geomagic Studio[®] to capture real world data, Freeform to develop designs, and Geomagic Qualify[™] to inspect and check manufactured products, medical manufacturers are moving to successful mass custom manufacturing through 3D digital reality. Innovative orthopedic products created using Freeform, Geomagic Studio and Geomagic Qualify on display at OMTEC include:

- Implant designs by almost every leading orthopedic implant manufacturer
- The Smart Inspection System (SiS) for robotic Computer-Aided Inspection (CAI) with automated measurement and reporting
- Custom implants by university hospitals, medical service bureaus, small manufacturers, Walter Reed Military Medical Center, Wilford Hall Medical Center at Lackland Air Force Base, and other major names.
- Custom prosthetics, implants and surgical guides from ProPrecision, Medical Modeling and MedCAD
- Surgical planning models from Thermoplastic Products Corp. and Walter Reed Military Medical Center

CIMdata PLM Industry Summary

- Educational models from GPI Anatomicals, Protowerx, The Chamberlain Group, and others

“Digital reality, like the digital economy, is a fact of life today, allowing art and science, and in this case medicine, to achieve breakthrough results that are not possible without our technology,” said Ping Fu, CEO of Geomagic. “A good example is the use of additive manufacturing in exciting new ways. What was previously utilitarian, and perhaps cast or vacuum formed with standard parts, now can be designed more elegantly, ergonomically and aesthetically – and printed in new bio-compatible materials. It’s a new era for the practitioners and patients in the orthopedic industry.”

Geomagic is exhibiting in booths 831-833 at OMTEC, which takes place at the Donald E. Stephens Convention Center, 5555 North River Road in Chicago, on Wednesday June 13 from 9 am – 6 pm CT, and Thursday June 14 from 9 am – 12 noon CT.

About Geomagic

Geomagic (www.geomagic.com) is a global company dedicated to advancing and applying 3D technology for the benefit of humanity. Different from CAD, Geomagic offers specific products to create 3D content from imaging the real world and real people, verify dimensional quality by comparing a master design to as-built products, and simulate touch sensations in digital environments. Products include Geomagic Studio®, Geomagic Qualify, Geomagic customers are the most innovative companies in industries ranging from aerospace, automotive, toys, moldmaking, medical device, surgical simulation, consumer products, arts, heritage, research and education. Some of the leading companies around the globe using Geomagic products include [Ford](#), BMW, Boeing, [Harley Davidson](#), Timberland, [Fisher Price](#), Lego, [Pratt & Whitney](#), [NASA](#), Schneider Electronic, 3M, [Danaher](#) and [Invisalign](#). Geomagic is based in Research Triangle Park, NC, USA, with an office in Boston and subsidiaries in Europe and Asia, and channel partners worldwide.

 [Click here to return to Contents](#)

KARALIT Demos Subversively Simple CFD at ASME Turbo Expo 2012 in Copenhagen

11 June 2012

KARALIT is demonstrating its 3D software in booth #1904 at the ASME Turbo 2012 Expo, June 12-14 in Copenhagen, Denmark.

KARALIT CFD 3D introduces Direct CFD, where CAD models go directly to CFD without time-consuming meshing or tedious manual set-up. The new software is based on three major innovations:

1. A unique implementation of immersed boundary (IB) technology that enables models to be immersed into Cartesian grids, eliminating meshing, maintaining the integrity of cells, and speeding CAD-to-CFD iterations throughout the design cycle.
2. The use of pre-designed apps that allow users to set up industry-specific simulations within a few minutes.

3. A simple pricing structure that frees users to take full advantage of the latest hardware advances at no extra software cost.

Simplicity with accuracy

“The revolution at the heart of KARALIT CFD 3D is simple,” says Marco Mulas, KARALIT CTO and founder. “Users – both specialists and non-specialists – don’t want to waste their time with mesh generation and pre-processing. They want to spend 99 percent of their time with their analysis and get the most accurate results possible.”

Representatives are available in the KARALIT booth during the course of the ASME Turbo Expo 2012 to demonstrate the Direct CFD workflow and to answer questions.

“We expect people to be skeptical because this is a fresh approach,” says Mulas. “So we welcome the opportunity to show designers, engineers and CFD specialists that our aim is true.”

About KARALIT

KARALIT was founded in 2007 to transform computational fluid dynamics (CFD) from a separate, specialized process into an integral part of the design cycle. The company has headquarters in Italy and offices in the United States and United Kingdom. For more information, visit www.karalit.com.

 [Click here to return to Contents](#)

RadCAM to Show Latest Radan Software at AMTEX

15 June 2012

RadCAM, reseller of CAD/CAM software, Radan, across India, will be highlighting the latest edition, 2012 R2, at the Asian Machine Tools Exhibition, AMTEX, on July 27th – 30th.

Radan 2012 R2 features a number of new and improved functions, along with two new laser and tube products.

With more than 20-man-years of experience in automating the sheet metal industry in India, RadCAM Software Solutions has evolved into a one-stop provider for metal cutting companies ranging from small, through medium operations, to large corporates. Managing Director Siddhu Jolad says: “Radan software for sheet metal design, development and CAM, along with our business and technology consultancy, product engineering and application and maintenance services, plays an essential role in helping manufacturers become faster and more efficient.”

And Radan 2012 R2, which RadCAM will be demonstrating on Stand H7 in Hall 12A, at the exhibition, which is being held at Pragati Maidan, New Delhi, takes that efficiency to the next level.

CIMdata PLM Industry Summary

Punching: A new function allows sheets to be automatically cut off on punching and combination machines to create offcuts. Sophisticated tagging methods will secure the remnant in place while unloading the sheet skeleton. And there is additional functionality to the order mode tool list, including using visual feedback to show whether the state of the tool is ‘not processed,’ ‘partially processed,’ or ‘all processed.’ The tool selection has also become more intuitive, activating on selection to allow redraw.

The rectangular nesting algorithm for single parts has been enhanced and shows increases in material utilisation.

The user can specify the columns visible in the nest lists, allowing custom part properties to be used to group, sort and identify parts.

Certain attributes have been machine specific, i.e. they hold different values for different machine tools. This means that, for example, the runtime of a nest can be stored with machine specific values.

Values calculated by Quick Estimates are now stored and can be shown on the nest layout drawings, html setup sheets and nest project reports.

Press Brake Programming: A new way of storing face, edge and vertex details, allows data to be repeatedly transferred between Radan and its market-leading offline press brake programming system, Radbend. This allows Radbend to recognise ‘similarities’ between parts, and automatically re-program known parts.

The new Radm-ax and Radtube will also be featured on RadCAM’s stand.

Radm-ax is a 5-axis programming system for multi-axis laser or water-jet cutting machines in the general engineering, automotive and aerospace industries. And **Radtube** is specialist programming software for rotary and multi-axis cutting machines used by the tube cutting and manipulation industry. Both come with a comprehensive machine and postprocessor database making them fully compatible with machines from a large number of manufacturers. Should a machine not be supported, a Machine Setup utility means bespoke machine types and post processing information can readily be configured.

Radtube: A library of parametric tube shapes simplifies the creation of the tube material to be cut. And a library of parametric hole shapes means specialist joint features such as duck tails, clips and key holes can easily be added. Radan’s renowned nesting capabilities help users to nest multiple parts on a single pipe or section, by creating individual programs for each part, then simulating and checking the cutting path. Previously machined parts can be nested into a multiple number of tubes where each nested tube can be postprocessed to form a complete NC program – giving maximum yield and minimum waste from expensive materials.

Radm-ax: Cutting operations are generally divided into outer trims – the external forms of the part – and inner trims, which represent the internal cut-outs and other features to be machined. While their basic toolpaths can be generated automatically, they can also be easily created and refined manually. Users have full control over how each inner and outer trim is handled. The toolpath can also be edited regarding how the cutting nozzle is angled towards it, or how it handles jigs and fixture features – Radm-ax offers a number of ways of handling fixtures, including importing them from external files and manually repositioning them, or using the Fixture Design utility to create the support fixtures in sheet metal.

Toolpath verification and simulation in both Radtube and Radm-ax ensures there are no nasty surprises when cutting starts. A full solid toolpath simulation shows the angle of the nozzle as it moves around the part, providing instant feedback on whether machine head movement or accessibility means a specific move is possible. Any collisions which are detected are highlighted both on the model and via on-screen messages and can be manually edited or corrected automatically. Once the toolpath has been completely verified and optimised Radtube and Radm-ax quickly generate reliable NC code. And a wealth of features help reduce machine tool wear while ensuring feeds and speeds are maintained across the job.

Siddhu Jodal says: “AMTEX has constantly strengthened its position over the last 12 years as one of the largest shows of machine tools and manufacturing technologies in Asia, growing by 300% in that time. This makes it the ideal showcase for the world’s most powerful sheet metal CAD/CAM software, Radan.

RadCAM Software Solutions. Stand H7, Hall 12A

 [Click here to return to Contents](#)

The Second ESI Global Forum Will Take Place in San Diego, USA, October 18 & 19

13 June 2012

ESI Group announces ESI Global Forum 2012 - an event dedicated to Virtual Product Engineering, featuring case studies and presentations delivered by some of ESI’s global clients and partners. The event will be held at the Sheraton Hotel & Marina in San Diego, California, on October 18 & 19.

ESI will have the honor to welcome as keynote speaker **John Engler**, president of the Business Roundtable (BRT), former Governor of Michigan and former CEO of the National Association of Manufacturers. As BRT president, **Engler** will bring CEO expertise and insights to bear on major challenges facing the United States, including global competitiveness and innovation.

The first ESI Global Forum 2010 took place in Munich, Germany; gathering over 300 visitors and featuring over 80 presentations. This year, [ESI Global Forum](#) will take place in North America and will address specific industry challenges, targeting the aerospace & defense sector, electronics & energy, and

CIMdata PLM Industry Summary

ground transportation. Case studies that will be presented during these two days will enable attendees to learn from the experience of global industry leaders. At the first ESI Global Forum, representatives included experts from Volkswagen, Audi, Nissan, Opel, PSA, EADS, Qualis Corporation, Bombardier, Eurocopter, Corus, Intel and Hewlett-Packard. All delivered technical presentations that illustrated how Virtual Product Engineering is contributing to meeting technical and business challenges. ESI is gathering an equally global and high quality group of speakers for ESI Global Forum 2012, assuring a successful and high value event.

The forum will also allow experts and end-users to learn the latest information on specific [ESI](#) product lines. Dedicated sessions will address Virtual Manufacturing (including casting, composites, sheet metal forming and welding), Virtual Performance (including crash, safety, NVH, comfort and durability), Virtual Environment (including vibro-acoustics, multiphysics and fluid dynamics) and Virtual Reality (3D immersive solutions).

An exhibition will run in parallel throughout the whole event, providing an opportunity for software and hardware partners to showcase how their latest solutions provide gains in productivity and performance. A complimentary gala dinner will be held on October 18, bringing together all attendees in an informal setting for private discussion and networking.

Who should attend? ESI Global Forum 2012 will cater to all willing to discover and share ideas and experiences related to Virtual Product Engineering. Participants include designers, engineers, analysts and decision-makers from customer and partner companies.

To register for the event, please fill in a [form](#) on our dedicated [event page](#).

If you're interested in exhibiting during the event, or have any other questions, please contact Christina Theuerkauf, Events Specialist, on +49 (0)6196 9583 178 or email EGF2012@esi-group.com.

 [Click here to return to Contents](#)

TST is Attending Amerimold 2012 to Showcase VISI

12 June 2012

TST Tooling Software Technology, North American distributor of VISI CAD/CAM/CAE software, will be exhibiting at Amerimold 2012 in Novi, Michigan, June 13th –June 14th. VISI provides software to the tooling industry for the design and manufacture of plastic injection molds, sheet metal stamping dies, progressive dies, 2D through 5-axis milling, electrode production, multi-axis laser cutting and more.

Stop by booth 111 at the show. Members of the TST Software Team will be on-hand to offer demonstrations of VISI's powerful functionality, ease of use and new features included in the latest release. VISI Mould enhancements include a new Assembly Tool Manager to handle multi-level tool

CIMdata PLM Industry Summary

structures, and provide the ability to generate specific tree hierarchy structures for the creation of partial BOM lists. VISI Flow development includes a new part quality tool with potential remedy suggestions for each problem area and improved filling analyses and flow balancing due to the fine tuning of melt compressibility at end of the filling phase.

Significant resources were also allocated to major CAM development in the software's latest release. A number of new machining algorithms have been introduced that will greatly benefit both customers and OEM partners. New CAM routines include 'HM Rib Cutting' for the machining of very thin walls, 'Deep Cavity Machining' for the automated splitting of roughing and finishing toolpaths into separate Z ranges based on collision checking between the piece and tool / holder, providing greater rigidity, reduced vibration & increase tool life.

 [Click here to return to Contents](#)

Financial News

Autodesk Extends Invitation to Join Webcast of Investor Event: Meeting with Autodesk Management

12 June 2012

Autodesk Inc. today announced that it will broadcast a webcast in conjunction with its upcoming investor event: Meeting with Autodesk Management, on Tuesday, June 19, 2012.

WHAT: Carl Bass, Autodesk president and CEO, will join Mark Hawkins, Autodesk executive vice president and CFO, Andrew Anagnost, senior vice president Industry Strategy & Marketing, and Steve Blum, senior vice president, Worldwide Sales and Services to discuss with the investment community the demands and opportunities of the current market, financial metrics, and the company's corporate strategy.

WHEN: Tuesday, June 19, 2012 from 8:00 a.m. to approximately 12:00 p.m. ET.
This webcast will be archived for approximately one year on our website, www.autodesk.com/investors

CONTACT: For more information, please call Autodesk Investor Relations at 415-507-6705.

 [Click here to return to Contents](#)

Dassault Systèmes: General Meeting of Shareholders

8 June 2012

The Annual General Meeting of Dassault Systèmes' shareholders was held on June 7, 2012 at the registered office. The shareholders present or represented at the meeting held 73.11% of Dassault Systèmes' shares.

The shareholders' meeting approved the financial statements of the parent company and the consolidated financial statements. All resolutions submitted to the shareholders' vote were approved including a dividend payment amounting to \$ 0.70 per share.

The dividend will be paid on June 26, 2012.

The detailed results of the votes are published on the Dassault Systèmes' website at (<http://www.3ds.com/company/finance/shareholders-corner/>).

Dassault Systèmes' 2011 *Document de référence* is also available on its website (<http://www.3ds.com/company/finance/overview/>) and upon request at the company's headquarters.

 [Click here to return to Contents](#)

Dassault Systemes, the 3DEXPERIENCE Company, Reaffirms its Five-year Growth Target at its Capital Markets Day

15 June 2012

Dassault Systemes today announced it is holding its 2012 Capital Markets Day dedicated to analysts and investors, and hosted at the Company's headquarters in Velizy-Villacoublay, France. The presentations are being recorded and will be available for replay in the afternoon of June 15th.

Bernard Charles, President and CEO and Thibault de Tersant, Senior EVP and CFO, will be joined by the Senior Management Team, to discuss the beginning of a new horizon, 3DEXPERIENCE.

"In February we announced an expansion of our strategy based on our 3DEXPERIENCE platform, reflecting the fact that the way in which companies are innovating is anticipated to evolve significantly as enterprises place their end-customers at the heart of their innovation process," commented Bernard Charles, Dassault Systemes President and Chief Executive Officer.

CIMdata PLM Industry Summary

"Working closely with our customers, we have enriched our Version 6 platform over the past couple of years. Leveraging the combination of intelligent information technologies, social innovation capabilities and realistic 3D virtual experiences, together with our 3D modeling tools, we are ready to pioneer a new technological wave: a 3DEXPERIENCE platform to serve the social enterprise of the 21st century. 3D experiences are a catalyst for innovation, enabling any enterprise stakeholder to participate in the innovation process, contributing to drive value for the end consumer."

The Company is reaffirming its 2014 financial target. As first outlined on June 15, 2010 at its previous Capital Markets Day, the Company publicly disclosed its five-year financial objectives, including the principal goal to more than double non-IFRS EPS from EUR1.86 per share in 2009 to about EUR3.70 to EUR4.00 per share in 2014.

2012 Key Investor Relations Events:

Second Quarter Earnings, July 26, 2012

Third Quarter Earnings, October 25, 2012

 [Click here to return to Contents](#)

ESI Group: increase in revenue in the 1st quarter of 2012/13

14 June 2012

Alain de Rouvray, ESI Group's Chairman and CEO, comments: "ESI Group has recorded an excellent first quarter, following a good 2011-12 financial year that had already revealed an acceleration in the adoption of our virtual prototyping solutions. Services activity recorded significant growth, fuelled by the need to provide our industrial clients with support and expertise. Licences activity continued to record buoyant growth associated with dynamic New Business and a high level of repeat business. It is noteworthy that we see balanced investment across the main industrial sectors. We are confident that we will achieve a 2012-13 fiscal year in line with our strategic development plan, within a changing context that is conducive to a surge in our breakthrough technological solutions."

1st quarter revenue

€millions	Q1 2012/13*	Q1 2011/12	Δ (euros)	Δ(constant currency)
Licences	14,4	11,6	+23,9%	+20,0%
Services	6,8	5,7	+19,4%	+15,5%
Total	21,2	17,3	+22,4%	+18,5%

Financial years to January 31 (unaudited)

** Revenue excludes purchase/resale operations of €0.7 million. Revenue includes activity recorded by IC.IDO, consolidated per August 24th 2011, and Efield, consolidated per December 9th 2011*

Reminder: the seasonal nature of ESI Group's Licenses sales usually results in a larger proportion of full-year revenue being recorded over the fourth quarter of the year. The first-quarter change is therefore not representative.

Revenues for the first quarter of the current financial year totalled €21.2 million, up +22.4% in actual terms (+18.5% at constant exchange rates) and +17.3% organically, compared to the first quarter of the previous year. There was significant growth in BRIC countries (Brazil, Russia, India, China), which represented 13% of orders over the quarter versus 11% over the first quarter of 2011/12. 42% of first-quarter activity was recorded in Asia, 18% in the Americas and 40% in Europe.

Licenses revenues totalled €4.4 million, up +23.9% in actual terms (+20.0% at constant exchange rates), and +19.2% organically. The high level of repeat business further increased, reaching 95.9% of Licenses revenues versus 81% for the first quarter of 2011/12. Licenses New Business jumped +24.6% thanks to the arrival of new clients and to sales of new products to existing clients, particularly in Europe and Asia.

In line with the trend observed over previous quarters, Services activity continued to grow at a fast pace, increasing by +19.4% in actual terms (+15.5% at constant exchange rates) and +13.3% organically. Services activity amounted to €6.8 million and accounted for 32% of total quarterly business, compared to 33% the previous year.

[!\[\]\(7f05b059bc0583c5dd3385c0ccddbce0_img.jpg\) Click here to return to Contents](#)

Implementation Investments

Alberto Makali Selects NGC's Global Enterprise Suite for PLM and ERP

13 June 2012

NGC® Software today announced that Alberto Makali, a luxury women's fashion brand, has selected NGC's Global Enterprise Suite as an integrated solution for PLM and ERP. New York-based Alberto Makali designs and produces evening wear, sportswear and dresses that are sold by leading retailers such as Saks, Nordstrom, Neiman Marcus and Dillard's, as well as boutiques and specialty stores around the world.

Alberto Makali has experienced double-digit growth and global expansion in recent years. The fashion brand has grown from one division to six and expanded its product line in all divisions; in addition, the company recently opened offices in Madrid and Dubai.

"Alberto Makali has experienced consistent growth, and our existing software limited us," said Stefano Derasmo, director of operations, Alberto Makali. "Due to these inefficiencies, our people rely heavily on spreadsheets and manual processes, which left us vulnerable to errors." The company sought a new software platform that would help standardize its business processes, support rapid growth, and be

CIMdata PLM Industry Summary

flexible and easy to use -- and ultimately selected NGC.

"You have to trust the systems that you're using," said Derasmo. "ERP and PLM are the lifeblood of our business and will channel information to all the vital parts of our company. It was a time-consuming process to find a product that we felt confident in, but after due diligence, we found the right partner in NGC."

About NGC

NGC Software is a leading provider of PLM, Supply Chain Management, ERP and Product Testing software and services for brands, retailers and consumer products companies. NGC solutions help increase profitability, reduce costs, improve speed to market and product quality, and manage compliance and testing. NGC has received top rankings by many leading industry analysts and has been recognized as a top 100 supply chain and logistics company by Inbound Logistics, SupplyChainBrain and Supply & Demand Chain Executive.

NGC customers include A|X Armani Exchange, Aeropostale, Billabong, Carter's, Casual Male, Hugo Boss, Jos. A. Bank, Lakeshore Learning, Lululemon Athletica, Marchon Eyewear, Spanx, Swatfame, VF Corporation, and many others. NGC has offices in Miami, New York, Los Angeles, San Francisco, Canada, China, India, Mexico, and El Salvador and is a wholly owned subsidiary of American Software Inc. For more information, visit www.ngcsoftware.com

 [Click here to return to Contents](#)

Creation UK Deploys the HyperWorks Simulation Platform for a Wide Range of Vehicle Design Programs

13 June 2012

Altair today announced that UK-based military vehicle developer Creation UK deployed Altair's HyperWorks simulation tools for a new design of armored vehicles to improve the survivability of occupants in the event of a blast impact.

"HyperWorks is my preferred application because it's efficient, intuitive, easy to use, and offers great reporting capability," said Louise Ashby, Chief Design Analyst, Creation UK. "We used the HyperWorks tools extensively for the development of the new *Zephyr* range of armored vehicles to ensure adequate strength and durability of the chassis, suspension and cab, and as a result met the strict design criteria set by the defense sector."

Several tools in the HyperWorks package were used as part of the development process: [HyperMesh](#) generated different types of FEA models – individual components, assemblies and full vehicle models, and these were analyzed in [RADIOSS](#) to ensure compliance with automotive and defense design requirements. The results were then post-processed in [HyperView](#). Designing and developing these vehicles in a virtual environment also enabled Creation UK to reduce the cost of physical prototyping as

well as development time.

"HyperWorks has given us a commercial advantage over our competitors," said Robin Hall, Technical Director, Creation UK. "The HyperWorks simulation suite has significantly reduced the total time and cost in the design, development and testing phases of the vehicle programs that we have been involved with. The use of HyperWorks is now a fully integrated step in our design process because it helps us deliver designs that we are confident are fit for purpose while enabling us to meet the tight deadlines that we must work to."

"We are very pleased to see the business benefits HyperWorks delivers for Creation UK," said Hakan Ekman, Managing Director of Altair – Northern Europe. "The HyperWorks tools have a strong reputation for delivering results in the defense sector and we are pleased to learn that their functionality and capability make them an attractive tool of choice for Creation UK, which helps them to save development time and costs," he added.

About Creation UK

Creation UK is a leading independent vehicle design, development and engineering services company. Their reputation is based on proven capability, practical understanding of operational requirements and UOR-style rapid turnaround on turnkey vehicle projects.

Creation serves a wide spectrum of industries, including automotive and commercial – and it has a particular niche specialization in defense and armored vehicle design. In addition to its own original designs, it has successfully delivered a number of major concept-up programs for some of the world's leading OE manufacturers. For more information please visit: www.creationteam.co.uk.

 [Click here to return to Contents](#)

RFMD® Announces Availability of Design Kits for Agilent Technologies' Advanced Design System 2011 Software

14 June 2012

RF Micro Devices, Inc. announced today that its Foundry Services business unit has updated its process design kits (PDKs) for use with Agilent Technologies' recently released Advanced Design System (ADS) 2011 EDA software. The enhanced PDKs are available immediately to current and prospective RFMD Foundry Services customers for RFMD's Gallium Nitride (GaN) and Gallium Arsenide (GaAs) process technologies.

The RFMD PDKs support a complete ADS front- to back-end MMIC design flow with scalable devices, a native design rule checker, and the layout capabilities in ADS 2011. The PDKs work seamlessly with ADS 2011, ADS 2009 Update 1 and ADS 2008 Update 2, enabling RFMD Foundry Services customers to take full advantage of the significant performance advantages of ADS 2011.

RFMD's GaN and GaAs process technologies are available to Foundry Services customers, supported by

CIMdata PLM Industry Summary

RFMD's industry-leading cycle times. RFMD's foundry offerings include GaN1 (GaN for high power), a 0.5-micron GaN on SiC process technology enabling 65V CW operation and optimized for maximum performance at 4 GHz and below. RFMD's GaN1 power technology provides a high breakdown voltage above 400V, while RFMD's GaN2 is a 0.5-micron GaN on SiC process technology offering high linearity for high performance communications systems. Both GaN technologies are manufactured in RFMD's Greensboro, NC, fab, one of the world's largest III-V fabs.

The Greensboro fab also manufactures HBT8D, RFMD's high-volume rugged InGap technology for handset and mixed signal applications, and IPC3, an integrated passive component technology that complements RFMD's GaN technology portfolio with high power compatibility.

Additional RFMD foundry offerings include FD25, a low noise, 0.25-micron GaAs pHEMT technology, and FD30, a high power 0.3-micron GaAs pHEMT technology, both of which support applications up through 25 GHz. RFMD's technology portfolio also includes FET1H, a 0.6-micron GaAs pHEMT technology, and FET2D, a 0.6-micron GaAs E/D pHEMT technology. Each of RFMD's pHEMT technologies is manufactured in the Company's Newton Aycliffe, UK, fab.

Dr. Tom Joseph, manager of technology in RFMD's Foundry Services business unit, said, "The ADS 2011 release provides RFMD Foundry customers access to Agilent's latest multi-technology platform for our GaN and GaAs process technologies. By leveraging Agilent's new Library architecture and simulation enhancements, RFMD's foundry customers can improve their design efficiencies and reduce time-to-market for their end market products."

"We are very happy that our mutual customers can now leverage the ADS 2011 product enhancements in RFMD's GaN and GaAs technologies," said Juergen Hartung, foundry program manager of Agilent's EEs of EDA organization. "With these PDKs, our customers can now enjoy the industry's most comprehensive multi-technology design platform using Momentum, the industry-leading 3-D planar EM simulator, our integrated full 3-D FEM engine, the industry-proven design-for-manufacturing capabilities inside ADS, and an upgraded design rule checker. These capabilities are just some of the reasons the majority of MMIC designers choose ADS to increase performance, consistency and yield."

For more information on RFMD's Foundry Services go to www.rfmd.com/foundry or contact RFMDFoundryServices@rfmd.com

About RFMD

RF Micro Devices, Inc. is a global leader in the design and manufacture of high-performance radio frequency components and compound semiconductor technologies. RFMD's products enable worldwide mobility, provide enhanced connectivity and support advanced functionality in the mobile device, wireless infrastructure, wireless local area network (WLAN or WiFi), cable television (CATV)/broadband, Smart Energy/advanced metering infrastructure (AMI), and aerospace and defense markets. RFMD is recognized for its diverse portfolio of semiconductor technologies and RF systems expertise and is a preferred supplier to the world's leading mobile device, customer premises and

communications equipment providers.

 [Click here to return to Contents](#)

Simco, Ltd. Uses Mentor Graphics Inflexion UI to Develop Next-Generation Vehicle Instrument Cluster Human Machine Interface

12 June 2012

Mentor Graphics Corporation today announced that Simco, Ltd. is using the Mentor® Embedded Inflexion® HMI product to develop its next-generation, screen-based vehicle instrument cluster human machine interface (HMI). Simco will show the proof of concept HMI at the Integrated Electrical Solutions Forum (IESF) in Detroit, June 14, 2012.

"Mentor's Inflexion product provides a straightforward HMI design environment to develop some of the most sophisticated instrument clusters that can also be easily reconfigured by drivers to meet their vehicle operation needs," said Craig Ayres, CEO of Simco, Ltd. "With the combination of our electronic micro movements and Inflexion's full color displays, our design team and our customers can bring any style and configuration into the next vehicle instrumentation program."

With the Inflexion product, Simco is easing its development workflow and costs by being able to create a more sophisticated cluster HMI that replaces mechanical gauges with intelligent screen-based displays. Simco can now render a true "analog-style gauge" on color digital LCDs that can easily be reconfigured to meet drivers' individual needs and preferences.

"We are happy to see Simco's success with our Inflexion product," said Glenn Perry, general manager, Embedded Software Division of Mentor Graphics. "We will continue to support them in their efforts to provide the most advanced instrument clusters tailored to the needs of their wide variety of transportation business customers."

About Simco, Ltd.

Simco, Ltd., based in Michigan, is an advanced engineering and manufacturing company that produces a wide range of specialty gauges, instrument clusters, driver information displays, and sub-assemblies for global automotive, recreational, commercial and military companies. Customers include Chrysler, Magna International, Visteon Corp., Roush Performance, Vantage Electric Vehicle, and Hybrid Vehicles. For more information on instrument clusters from Simco, Ltd., visit the website: www.SimcoLtd.com

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

SOIC Selects Nupas-Cadmatic as their 3D CAD/CAM Software

11 June 2012

Taiwan based SOIC has selected Nupas-Cadmatic for 3D CAD/CAM to create increasingly intricate designs of ships and vessels. After doing research about possible software suppliers, SOIC invited the selected companies for demonstrations. Nupas-Cadmatic performed the best and met the demands of SOIC. Both companies decided to start with a pilot project. SOIC placed an order with Nupas-Cadmatic after the three month trial was successfully completed. Ship and Ocean Industries R&D Center, also known as SOIC, was established in 1976 under the sponsorship of the Ministries of Economic Affairs, National Defense, Communications, and Education and with donation from several large contractors.

SOIC has designed over 70 ships of which almost 240 have been built, ranging from navy and patrol vessels, to tug boats, to product carriers and cargo ships. SOIC designs and engineers ships fully to the contractors requirements, starting with feasibility studies and step-by-step via concept, preliminary, basic and contract design to the detailed design ready for production. All in close cooperation with the contractor. This results in tailor made high quality ships.

In addition to the full design and engineering of ships, SOIC offers advanced technical service. SOIC offers the review of contract specifications, review of drawings, equipment inspections, on site supervision, sea trial attendances and ship's noise and vibration measurements. This way SOIC wants to rise above the competition by offering a complete package including advanced after-sales services. Till June 2009 SOIC has successfully performed and completed technical services of new building or conversion for 394 ship sets.

SOIC has distinguished itself by improving their ship designs to high standards using the most advanced modeling and design software. Using advanced CFD technology, motion response, propeller cavitation and exciting force modeling and virtual reality tools, SOIC designs highly efficient vessels. With the Nupas-Cadmatic software they will improve even more to stay ahead of the competition.

For more information: <http://www.usddc.org.tw/>

 [Click here to return to Contents](#)

Product News

Agilent Technologies' Newest 3D-EM Software Release Increases Integration with Circuit Design Flow

12 June 2012

Agilent Technologies Inc. today announced the latest release of its Electromagnetic Professional software. EMPro 2012 will make it easier to create 3-D models and analyze the electrical performance of packages, connectors, antennas, and other RF and high-speed components.

Agilent will demonstrate EMPro 2012, along with solutions that range from circuit-level modeling through system verification for general RF, microwave, 4G communications, and aerospace/defense applications at IMS 2012/IEEE MTT-S (Booth 1015), June 19-21, in Montreal, Canada. A range of premier partner solutions will also be available on Agilent Avenue and throughout the event area.

The EMPro 2012 update includes a new level of integration with Agilent's Advanced Design System software, along with several simulator enhancements to improve performance and accelerate product development.

EMPro's increased level of integration with ADS is based on a shared database approach. Three-dimensional objects in EMPro can now be saved as ADS design database "cells" for use directly in ADS. As an example, a 3-D SMA connector cell created in EMPro now has "cell views" that can be placed either directly in an ADS schematic for circuit/electromagnetic cosimulation, or in an ADS layout (for an RF printed circuit board, for example) for full 3-D EM simulations in ADS.

"Direct integration streamlines the design process and will give circuit designers easier access to full 3-D EM modeling capabilities," said Marc Petersen, 3-D EM product manager for Agilent EEsof EDA. "No other product has this level of interoperability between 3-D EM analysis and RF/high-speed product design."

EMPro 2012 will also introduce several advances in EM simulation technology. A new low-frequency analysis algorithm improves accuracy below 100 MHz, including at DC, in finite element method simulations. Previous FEM solvers have had difficulty producing accurate, stable results at DC and low frequencies, which is required in subsequent circuit simulations, even for higher frequency applications. Additionally, Agilent has enhanced EMPro's FEM meshing technology for increased speed (typically 50 percent faster) and robustness.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Announcing New CYA Extender for Symantec NetBackup

8 June 2012

enChoice Inc.®, today announced the CYA Extender™ module for Symantec NetBackup®. CYA Extender enables EMC Documentum customers to reduce storage costs by storing the backup content traditionally captured by CYA SmartRecovery directly onto the NetBackup server. This saves organizations capital expenses by removing the need for additional primary disk storage for the content backup. In addition, it now provides customers the ability to leverage NetBackup de-duplication services.

CYA SmartRecovery is an application-aware granular recovery solution for enterprise content management (ECM) systems that complements existing system-level backup products. It provides hot, synchronized backups and hot, granular recovery of objects (content and metadata) back in the repository to their original state. To date, CYA SmartRecovery's content server object backups have been stored on disk. Now with the release of CYA Extender, customers will reduce storage costs with the less-expensive option of storing the content within NetBackup.

CYA's experience with EMC Documentum clients has shown that:

- Non-structured data is predicted to grow by 48% in 2012, according to IDC
- Data growth is the biggest data center hardware infrastructure challenge for large enterprises, according to a recent survey by Gartner.
- EMC customers are operating in a global environment requiring 24x7 availability of the Documentum repository.
- Existing backup strategies cannot recover content with their associated metadata due to logical failures such as repository corruptions, programmatic and human errors.

"Documentum customers can further leverage CYA SmartRecovery to ensure hot recovery from operational incidents without requiring additional storage expenditures," said Mike Fernandes, VP Product Development at enChoice. "With escalating storage costs being an issue within IT departments, we have responded to a very specific need for our customers – eliminate the need for additional storage. CYA Extender saves customers considerable sums of money by leveraging NetBackup de-duplication functionality to further reduce storage requirements between CYA SmartRecovery backups and file system backups."

About enChoice

enChoice®, Inc. offers the most comprehensive range of enterprise content management (ECM) solutions and services available, from system design and installation to deployment, hosting, and single-point-of-contact support. Leveraging our certified KwikWork and CYA Products, solutions are offered for a wide range of business needs including content management, business process management (BPM), records management and data integrity and protection. enChoice solutions support ECM systems including EMC Documentum, IBM FileNet and Microsoft SharePoint. We serve thousands of repositories at more than 300 global organizations including Affinion, Advance Auto Parts, McGraw

CIMdata PLM Industry Summary

Hill, Anchor General, Gruenthal, Honeywell and the U.S. Army. We are an EMC Certified Partner, IBM Premier Business Partner, Microsoft Gold Certified Partner, resulting in enChoice's unrivaled ECM expertise.

 [Click here to return to Contents](#)

CAD Perfect® Conversion Service Now Available to Reprographics Shops and Scanning Services

14 June 2012

CAD/CAM Services, Inc. announces a new brandable CAD Perfect® CAD Conversion service designed especially for reprographics shops. [CAD/CAM R2V](#) is a FREE web-based service portal that any reprographics shop can include on its web site via a simple-to-install brandable link. The [raster to vector conversion service](#) is provided by CAD/CAM Services, a U.S. based company of certified CAD engineers.

Designed as a tool to enable smaller shops to compete with companies who offer more advanced services, CAD/CAM R2V provides a seamless outsource service directly from a link on any Repro shop's website. The web link leads to a fully operational self-serve web portal where the Repro shop's customers can upload files for conversion and get nearly instantaneous quotes as well as fast conversion service, once the quote is accepted by the customer. This portal is fully brandable with the Repro shop's own logo and brand identity.

Repro shops who offer this conversion service portal on their website, receive a revenue share from every R2V project submitted via their website. The reprographics shop can log into their private CAD/CAM R2V account at any time and see how many of their customers have submitted jobs, the status of the jobs, and what monies they are earning via the linked service.

Scott Shuppert, President of CAD/CAM Services, Inc. says, "We're one of the few firms in the United States that is certified for Department of Defense cad conversion work, so we can offer most reprographics shops a level of R2V work that they may not be able to offer economically on their own. With the free linked web service portal, the private branding and the revenue share, it's a win-win opportunity for any repro shop, because we stay completely behind the scenes."

About CAD/CAM Services, Inc.

[CAD/CAM Services, Inc.](#), located in Celina, TX, has created this innovative R2V portal. Started in 1986, CAD/CAM Services continues to offer the highest quality CAD Perfect® raster to vector conversion services. Dunn & Bradstreet rated, CAD/CAM Services is one of only six (6) firms in the entire United States that is qualified and certified for Department of Defense CAD conversion work.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Forming Technologies Announces Release of FormingSuite v10 and FTI CATIA V5-Based Software

14 June 2012

Forming Technologies Inc. (FTI) developer of solutions for design, simulation, planning and costing of sheet metal components, today announced the worldwide release of FormingSuite v10.0 and FTI CATIA V5-Based software. Aimed at all sheet metal forming and costing engineers, designers, and estimators in the Automotive, Aerospace, Consumer Product and Electrical/Electronic industries, the main objective of FormingSuite v10.0 and FTI CATIA V5-Based software is to introduce new leading edge technology to stamping simulation and to provide continuous improvement to all users in a unified collaborative environment.

FormingSuite v10.0 and FTI CATIA V5-Based software embraces customer's demands of delivering productivity enhancements whilst improving the speed and performance of all simulation solvers (CHI, dFIT, LS-DYNA, Springback, and Nesting). "These developments continue our mission to supply the stamping industry with the world's easiest to learn and easiest to use wizard-based stamping software. These new software releases signify a major step in FTI analysis capabilities. Our focus of 'accuracy on demand' and 'cost knowledge for all' gives our customers a huge competitive advantage", said Dan Marinac, Director Business Development at FTI. "Those benefits, coupled with continuous improvements in our core strengths in cost reduction, blank development, stamping simulation accuracy and springback prediction, deliver great value to FTI's customers". This latest release includes several new features, such as:

- Advancements in Springback Simulation
 - New forming constraints to simulate clamping for positioning in jig and fixture tooling
 - New Springback alignment feature to position the results relative to the original part
 - Improved NAS and STL file export for CAD springback compensation
- New Measuring Tools for FormingSuite to eliminate the need for users going to CAD dimensional information
- Optional direct 3D CAD data translators for reading NX[®], CATIA[®] V5, SolidWorks[®], JT[®], Pro/ENGINEER[®], etc.

In addition, FTI announces a major enhancement to FASTFORM MultiStage with the addition of the dFIT solver to complement the existing iFIT solver. FASTFORM MultiStage now incorporates the best of both worlds as iFIT is best suited for the required blank estimate as well as for the trim line development. The process engineer may then decide whether it is more appropriate to use a net shape blank or if, in order to save the cost of the blank die, a standard cutoff blank is more appropriate. In this case, the user may import any blank geometry and use the dFIT solver to evaluate the process starting from the known blank size and location, and progress through the stamping stages. The simulation identifies the extent of first form deviation from design as well as any formability concerns resulting from the change of the blank from net shape. The dFIT solver is further capable of optimizing the location of in-process trims to ensure that the final part is to print.

CIMdata PLM Industry Summary

“We developed FormingSuite v10.0 and FTI CATIA V5-Based software by working closely with our customers who were looking for something easier to use and quicker compared to what is currently available today on the market” adds Marinac. “From the high accuracy of FASTBLANK to the stunning virtual simulations of FASTIncremental, FormingSuite offers the ease of use, speed and accuracy, and the flexibility of one environment for product design, costing, and engineering departments. The CAD-like look and feel ensures intuitive data navigation and that the user is always informed on the status of the analysis at any given time.”

About Forming Technologies

Forming Technologies Incorporated is the world’s leading developer of computer aided engineering software for design and simulation of sheet metal components. Since 1989, FTI has provided OEMs and suppliers in the automotive, aerospace and appliance industries with innovative software and training solutions designed to reduce development time and material costs. FTI has trained over 12,000 engineers in Formability and Die Design and is considered the Best in Class around the world for their industry training programs. For information visit the company’s website at www.forming.com.

 [Click here to return to Contents](#)

Karmasphere Announces First Collaborative Analytics Workspace for Hadoop

11 June 2012

Karmasphere™ today announced Karmasphere 2.0; a new entry in the Big Data landscape. Now everyone in the business can have self-service access to Big Data through a web-based social interface that facilitates team collaboration. Karmasphere 2.0 removes the barriers for teams of project members, ranging from casual users to the most advanced analysts, to work together with minimal to no support from IT. The resulting insights are highly actionable through reporting, visualizations and publishing to existing databases and applications that can automatically implement new ways of doing business.

As a result of working deeply with leading edge companies pioneering the use of Hadoop-powered Big Data Analytics, Karmasphere 2.0 supports the new workflow for insight discovery including the ability to ingest data into the Hadoop cluster, visually explore data for patterns and trends, iteratively analyze the data using familiar queries, visualizations and skills, and easily publish insights into the business. Through the new web-based social interface, users collaborate by setting up projects, inviting diverse project team members, and sharing and re-using each other's work. Karmasphere 2.0 is designed to work with any Hadoop distribution and leverages Apache Hive, the Hadoop SQL standard, for the portability of analytic assets.

Self-Service Access Across the Business

Karmasphere 2.0 empowers every user to easily ingest and follow data, reveal interesting fact-based patterns and trends, and create actionable insights. To achieve this self-service, Karmasphere provides intuitive and simple-to-use wizards for ingestion, filtering, sorting, and charting so anyone can get involved in capturing value from all the data.

Built for the Data-Driven Business

Karmasphere 2.0 is for organizations that want to optimize their business by using Big Data to find opportunities for new products and services and deliver the highest levels of customer satisfaction. With Hadoop and Karmasphere 2.0, massive amounts of customer interaction and product data from web, mobile, social, sensor, video and call center channels can be analyzed affordably without data sampling or expensive massively parallel processing (MPP) databases.

Big Data Analytics is About Teams

"For data-driven companies, finding and acting on Big Data Insights is about helping teams of people more effectively collaborate to discover, reuse and share their learnings and insights," said Gail Ennis, CEO, Karmasphere. "By working with companies who are at the forefront of Big Data Analytics, it has become obvious that data scientists, analysts and business users all need to work together to leverage Big Data Insights that can make a real difference increasing revenue and customer satisfaction."

Hive and Other Industry Standards are Key to Openness, Portability and Innovation

"We continue to create very powerful and easy-to-use Big Data Insight capabilities on the open standards the entire Hadoop community is investing in such as Apache MapReduce, HDFS, Hive, Pig and Mahout. We know that customers are moving to Hadoop for its power, openness, speed of innovation and don't want to be locked into proprietary environments," said Martin Hall, EVP and Founder, Karmasphere.

Big Data Experts Weigh In

Karmasphere is partnering with a select group of systems integration and consulting companies that are recognized in the industry for their expertise in helping companies implement winning Big Data strategies.

"We are seeing significant adoption of Hadoop across key vertical industries and Karmasphere 2.0 is key to unlocking its power by making Big Data Insights easy using existing SQL skills," said Ben Sharma, Principal, Zaloni. "The skills challenge is formidable as there simply aren't enough data scientists and MapReduce experts to go around. Karmasphere is changing the game by making Big Data Analytics easy and accessible for everybody."

"Karmasphere 2.0 represents a new generation of Big Data Analytics because it supports a collaborative and team-based approach. Businesses want to get more powerful insights faster and Karmasphere lets them collaborate, share and re-use analytic assets," said Ron Bodkin, Founder and CEO, ThinkBig Analytics. "Our customers will appreciate how Karmasphere is making standards-based data science widely available to all kinds of users across the business."

"For our customers, it's important for Big Data Analytics on Hadoop to optimize existing investments they have made in data science, business intelligence and application infrastructure," said Jai Malhotra,

CIMdata PLM Industry Summary

Co-Founder, XtremeInsights. "Karmasphere 2.0 is a game changer, leading a second generation approach for analyzing Big Data with an open, extensible, and standards-based solution."

About Karmasphere

Karmasphere delivers a fully leveraged world for Big Data Insight that is deep, unconstrained, and accessible for data driven companies seeking new sources of future business opportunity. With the advent of Hadoop, businesses can now affordably analyze massive amounts of Big Data across their web, mobile, social, sensor, video, and call center interactions without the limitations of having to use sampled data or expensive and proprietary approaches. Karmasphere customers benefit from data insights that uplift revenue, customer satisfaction and competitive advantage.

The Karmasphere 2.0 Collaborative Analytics Workspace provides users across the company with self-service access to Big Data Analytics on Hadoop including analytic projects, visualizations, and everyday-to-sophisticated analysis through a social, web-based interface that facilitates team collaboration. Open and based on Apache Hadoop standards, it leverages existing analytic skills and models, integrates with traditional BI and existing applications and supports key Hadoop distributions including: Amazon Elastic Map Reduce, Cloudera, HortonWorks, IBM, and MapR Technologies.

Learn more at <http://www.karmasphere.com>

 [Click here to return to Contents](#)

Kubotek Announces KeyCreator 2012

11 June 2012

Kubotek USA announces the immediate availability of KeyCreator 2012. The release of KeyCreator 2012 solidifies KeyCreator as the most complete 3D Direct Modeler available to manufacturing and design professionals everywhere.

The KeyCreator 2012 release includes scores of user driven enhancements. These enhancements are found within many of the functions users use every day, providing not only better control, but even greater visualization, accuracy, performance and CAD file interoperability. In addition to the new improvements, KeyCreator 2012 also boasts continued powerful surfacing and extremely flexible assembly capabilities, as well as sophisticated detailing and drawing creation.

KeyCreator 2012 is the only Direct Modeling CAD software to include a multitude of powerful engineering tools and capabilities in one complete package, including three fully integrated add-on modules. The modules include KeyCreator Machinist integrated 2-3 axis NC milling, KeyCreator Compare CAD validation and comparison, and the brand new KeyCreator Analysis multiphysics simulation software powered by Sefea Technology.

CIMdata PLM Industry Summary

The availability of the KeyCreator Analysis module in KeyCreator 2012 marks the first shipment of this next generation simulation software. The ease of use of the analysis software working in conjunction with the simplicity of direct modeling means everyday users can bring analysis into their design process further upfront, creating more optimized designs.

"KeyCreator is a very versatile tool that would fit the needs of 90% of CAD users out there, and possibly even more now with the new KeyCreator Analysis add-on," says Joseph E Szpak of Szpak Manufacturing. "KeyCreator has long been vital to my business because I can work with nearly any CAD platform and tackle designs with ease. New features in KeyCreator 2012 quickly became invaluable to me, allowing me to do in 5 minutes what would normally take me an hour at the very least." Joe adds, "In the end, however, it all comes down to the tremendous amount of power I have available to me in my day-to-day work, and it just keeps getting better."

About Kubotek USA

Kubotek USA--Masters of Geometry -- leads the direct modeling revolution by providing CAD technology to easily create, edit or manage changes to model data. Kubotek USA develops core technologies that can recognize, or even infer, the geometry's attributes to facilitate interoperability in what might otherwise be unusable data. Kubotek USA develops software that can work with geometry, no matter where it originated, for use throughout the manufacturing supply chain in order to speed time to market, reduce costs and improve quality. Kubotek USA products include: KeyCreator 3D Direct CAD, Kubotek Validation Tool and Kubotek ECO Manager for precise model comparison/validation and visual change reports to easily manage design changes, KeyMachinist, and Kubotek Spectrum CAD viewer.

 [Click here to return to Contents](#)

Lectra Announces Lectra Fashion PLM V3

14 June 2012

Lectra is pleased to announce the new release of Lectra Fashion PLM.

Lectra Fashion PLM was developed to give companies the visibility to make strategic business decisions and the in-depth value chain control to carry them out quickly.

"Lectra entered the fashion market over forty years ago. Since then, we have continuously supported our customers as they create and maintain brand value," explains Daniel Harari, Lectra CEO, "We understand the complexity of both daily management and operational change in the apparel industry. Four decades of observation and exchange have shaped Lectra Fashion PLM into a powerful solution for decision making that gives the power of choice back to those who need it most."

CIMdata PLM Industry Summary

The fashion industry today presents a paradox for companies: respond to consumer demands for innovative, authentic products at a blistering fast-fashion pace.

This new version of Lectra Fashion PLM brings together teams by natively integrating fashion and textile design and product development into the development cycle to link product-level detail with highlevel collection information. This gives fashion companies complete control over operations so that they can continuously anticipate and respond to consumer demands down to color, size, style, and fit per distribution channel, while at the same time making supply-side decisions and reacting quickly and intelligently to fluctuations in areas such as the price of raw materials or world economic conditions.

Lectra Fashion PLM answers the need for fashion companies to be closer to their consumers by allowing them to accurately define and track product offers during the stages of design, product development, and production. A newly-enhanced workflow emphasizes user-friendly reporting and dashboard tools that allow managers to build a higher performing organization by giving them global visibility and control over the collection development process.

“Lectra Fashion PLM benefits from our own strong industry heritage to give companies the power to monitor, measure, and improve business performance and profitability,” explains Anastasia Charbin, Marketing Director, Fashion. “Fully configurable to reflect different business structures, Lectra Fashion PLM channels agility into the development process for a strong product offer that speaks to end consumers and supports a company’s growth.”

The need for flexibility from concept to production is more important than ever and demands an acute understanding of the development process. Collection process evaluation and project management from first concept to finished product are important components of Lectra Fashion PLM. The end goal is not simply a technology implementation, but to help fashion companies make smart decisions for organizational change and long-term business growth.

For more information, please visit www.lectra.com

 [Click here to return to Contents](#)

MathWorks Adds New Multibody Simulation Capabilities to SimMechanics for Simulink Users

12 June 2012

MathWorks today announced a new version of SimMechanics that enables users to create realistic parts and geometry by leveraging MATLAB. SimMechanics automatically creates a 3D animation during simulation that can be replayed without rerunning the simulation. Engineers can reuse their custom parts and mechanisms in new designs, thus shortening the modeling process.

CIMdata PLM Industry Summary

With SimMechanics, engineers in industries such as aerospace and defense, automotive, and industrial automation and machinery can model 3D mechanical systems in a Simulink block diagram using bodies, joints, constraints, and force elements. SimMechanics models can connect to Simscape and other Simulink products for physical modeling, such as SimElectronics and SimHydraulics. This helps engineers to detect integration issues between electrical, mechanical, and control systems early in the development process before any physical hardware is built.

About MathWorks

MathWorks is the leading developer of mathematical computing software. MATLAB, the language of technical computing, is a programming environment for algorithm development, data analysis, visualization, and numeric computation. Simulink is a graphical environment for simulation and Model-Based Design of multidomain dynamic and embedded systems. Engineers and scientists worldwide rely on these product families to accelerate the pace of discovery, innovation, and development in automotive, aerospace, electronics, financial services, biotech-pharmaceutical, and other industries. MathWorks products are also fundamental teaching and research tools in the world's universities and learning institutions. Founded in 1984, MathWorks employs more than 2400 people in 15 countries, with headquarters in Natick, Massachusetts, USA. For additional information, visit www.mathworks.com

 [Click here to return to Contents](#)

Mentor Graphics Announces Flowmaster Two-Phase Advanced Thermo-Fluid Simulation Software for Power and Energy Markets

11 June 2012

Mentor Graphics Corporation today announced the Flowmaster® Power and Energy version for system level thermo-fluid simulation. This new product provides a two-phase solution modeling the phase change from liquid to vapor for steam generation or from vapor to liquid when steam is consumed. This new capability is ideal for the power generation markets, accurately describing industry-specific components that must be developed to meet industry modeling requirements with faster and more accurate analysis.

Built on the Flowmaster Rigorous Energy Balance Solver, the new two-phase capability takes advantage of the enhanced fluid properties plus solver framework from the existing generation of the Flowmaster product. By combining these two technologies, the Flowmaster Power and Energy software tool can now begin modeling the phase change that occurs in both steam and liquid processes. The orientation, temperature and pressure flow patterns of steam and liquid are very different, and each flow pattern has an impact on the pressure drop and heat transfer. The new Flowmaster product recognizes and models each flow pattern accurately. While the physics of two-phase flow are complex and can be difficult to predict, Mentor Graphics® Flowmaster team has conducted extensive research and has incorporated the best correlations available for accurate simulation modeling.

“Enginesoft has been a long-term partner of Flowmaster and has been representing Flowmaster products

CIMdata PLM Industry Summary

in our local market since 2009,” stated Marie Cristine Oghly, president of Enginesoft France. “Mentor’s new Flowmaster Power and Energy product is a major advancement for today’s steam and fluid-based applications and is eagerly awaited by the market. Therefore, we look forward to introducing it to our customers.”

“Our newest Flowmaster product addresses the design complexity requirements when dealing with two-phase fluid flow since identifying the flow patterns is difficult to simulate accurately,” stated Erich Buergel, general manager of Mentor Graphics Mechanical Analysis Division. “We are continuously investing in thermal analysis technologies that will advance the design and verification of important power and energy innovations, as required by our valued customers.”

Addressing Market Requirements

Ideally suited for power generation applications, the new Flowmaster product addresses the specific thermo-fluid requirements for power plants (i.e. coal-fired power plants, boiler/steam generators, steam turbines, cooling towers, steam traps), solar energy, and automotive (zero flow heat transfer, advanced heat exchanger) applications.

- **Power and Energy:** The new Flowmaster software introduces a complete steam/water Rankine Cycle simulation capability for the fossil fuel and solar power markets. The addition of the new functionality, along with industry-specific components such as boilers, steam turbines and condensers, allows the user to model the entire power plant fluid system with a single simulation tool. This includes proper simulation of complicated phenomena such as boiling, condensation, flashing and de-superheating – all of which are critical concerns of power plant engineers.
- **Automotive:** The new zero flow heat transfer capability provides the option of modeling rapid warm-up cooling strategies where zero coolant flow is present during the engine warm-up process.

Significant Solver License and MATLAB Support

The new Flowmaster product introduces a Solver License, providing users with a full license to perform analyses for pre-built networks where there is no need for use of the GUI. This may be as part of an Enterprise deployment that includes coupled multi-part, multi-disciplinary simulation codes to model the various aspects of a system through a scalable Enterprise simulation platform. For example, an automotive company may use MATLAB in conjunction with Flowmaster Solver by accessing the network through a shared database, and exchanging data through an application-independent interface. A Solver License has further applications in parametric studies when addressing the need for unattended operation of batch run simulations.

The new Flowmaster product has an enhanced interface to MATLAB, allowing engineers to combine Simulink and Flowmaster to run concurrent simulations via a suite of Flowmaster Component Object Model Functions. The Flowmaster product will be available this summer and will support Windows 7 64-bit and Enterprise deployment. For additional Flowmaster product details, visit: www.flowmaster.com.

 [Click here to return to Contents](#)

New Illustration Product Transforms Enterprise CAD and 2D Data

12 June 2012

ACD Systems International, Inc. today announced Canvas 14 and Canvas 14 +GIS, an effective way to transform technical CAD and 2D data into creative illustrations that can be used throughout the enterprise. With Canvas 14, engineers and designers can draw and edit precise documents that can be quickly and easily annotated and shared. The additional Canvas +GIS allows for the use of geo-data within illustrations. Both products provide the capabilities of the Adobe Product Suite, including Photoshop, Illustrator, InDesign and Acrobat at a fraction of the cost. Companies currently using Canvas include Boeing, Caterpillar, GM, Chevron, Lockheed Martin and NASA.

"Big Data presents incredible opportunity for companies, but it also creates incredible challenges," said Frank Lin, General Manager and CTO of ACD Systems. "Enterprises must be able to take complex technical data and transform it into information that can be easily understood and immediately impactful. For example, an aircraft engineer can develop an illustration of the latest passenger aircraft which he can use for production. The same illustration can be used by the marketing department for a brochure, or infographic creation, by customer service for support, by maintenance for repair documentation and by the CEO for a Board of Directors presentation. ACD's commitment to accuracy, speed, ease of use and the ability to protect and preserve data makes this solution ideal for companies that are committed to getting the most value out of their data."

Canvas makes it easy and inexpensive to create, annotate, dimension and share technical data.

About ACD Systems International Inc.

Founded in Texas in 1993 by imaging visionary Doug Vanderkerkhove, ACD Systems is one of the largest and most respected independent digital editing and management companies in the world. Doug foresaw the importance of the convergence of analog and digital (print, photos, scans, video and metadata).

The company's products include ACDSsee Pro 5, ACDSsee 14, and Canvas 14 +GIS, which help Fortune 500 companies, enhance, manage and disseminate their valuable digital assets. Customers include General Motors, Caterpillar, Boeing, The New York City Fire Department, NASA, CNN and the Royal Canadian Mounted Police. Today ACD holds six patents and millions of ACDSsee products are in use throughout the world. In fact, ACDSsee products are so popular in Asia that they are second only to Louis Vuitton in product piracy.

ACD Systems can be found online at www.acdsee.com

 [Click here to return to Contents](#)

New Insight XT Microsoft SharePoint App Helps Solid Edge Users Simplify Design Data Management and Reduce Cost

12 June 2012

Siemens PLM Software today introduced the Insight™ XT™ design data management solution, used to manage Solid Edge® software CAD files and related design data. Insight XT, based on Microsoft's SharePoint, helps Solid Edge users significantly simplify and speed the completion of everyday design tasks by helping to better organize data and processes. Insight XT adds new part, product and project structures that are required by manufacturing organizations but are not available in standard SharePoint document libraries.

The announcement was made at Solid Edge University 2012, a global user event where participants were able to test drive Insight XT to see how it complements Solid Edge. The company also separately announced the release of Solid Edge ST5, which contains more than 1,300 new customer-driven productivity enhancements.

"As product complexity increases, the volume of associated design data continues to expand. Mainstream manufacturers are under great pressure to affordably manage this increasing data and often struggle with the complexities of data management solutions," said Karsten Newbury, Vice President of Mainstream Engineering, Siemens PLM Software. "Insight XT is a simple, intuitive and easy to use solution that helps increase efficiency and allows mainstream manufacturers to have full control of their data and intellectual property. Insight XT is the result of more than ten years of technical leadership and customer success we have built with Microsoft's SharePoint."

Insight XT provides easy vaulting and retrieval of Solid Edge files and related design data, using a new approach to managing part, product and project structures and their related documents, thereby automating and simplifying complex error prone processes such as new product introduction and release to manufacturing. New content and relation browser interfaces provide a dynamic visual approach to displaying data relationships and associated tasks, enabling users to quickly understand complex design data and the impact of proposed design changes. Insight XT provides a straightforward approach to managing design data helping to turn time spent searching into time spent interacting with data, enabling users to simplify their design world.

Best Practices for Managing Design Data

A recent survey of more than 2,000 representatives from global manufacturing organizations conducted by Siemens PLM Software with the support of independent research firm Tech-Clarity, found that the majority of respondents are still using Windows(R) application folders and network drives to manage their design data, rather than any type of specific data management software. These users are experiencing significant challenges with finding the data and tracking progress of engineering changes. The survey showed that about 25 percent of the companies use more than 20 percent of their time on non-value-added data management tasks -- that is one full day in a five-day work week.

Those respondents who rated their organizations highly for their performance in product development were 30 percent more likely to use specific data management solutions and were significantly more

CIMdata PLM Industry Summary

effective in key areas such as finding and sharing data and managing their design projects. To read the full report titled, "Best Practices for Managing Design Data," please visit www.siemens.com/plm/bestpractices

"The survey found that product complexity is a larger driver of data management issues than company size, indicating that there is a significant opportunity to improve data management performance in companies of all sizes," said Jim Brown, President of Tech-Clarity. "Perhaps most importantly, companies that were rated as world class in terms of their product development performance spend 25 percent less time on non-productive data management tasks than others."

Insight XT based on Microsoft SharePoint

Insight XT is based on Microsoft SharePoint, an easy to use common business productivity solution that provides a familiar environment for all information and collaboration tasks.

"The use of Microsoft SharePoint 2010 is growing rapidly in manufacturing companies around the world fueled by the need to enable the right people to access the right information at the right time, make better more informed decisions and accomplish project goals in the shortest possible time," said Simon Floyd, Director of Innovation & Product Lifecycle Management Solutions for the Worldwide Discrete Manufacturing Industry, Microsoft Corp. "We are very impressed with Siemens PLM Software's track record of bringing highly value-added SharePoint based solutions to market for design data management and collaboration. Insight XT represents a significant leap-forward in the management of design data and allows manufacturers globally to simultaneously take advantage of key business data and processes facilitated by SharePoint 2010."

"Over the years, Siemens PLM Software has demonstrated that Insight, its SharePoint-based data and process management solution for Solid Edge has delivered significant value to users," said Peter Bilello, President of CIMdata, a global PLM management consulting and research firm. "With the introduction of Insight XT Siemens PLM Software continues to work with Microsoft's large SharePoint development investments and its own vast experience helping manufacturing companies across industry sectors manage product development. Insight XT adds critical capabilities needed by manufacturers, such as product structure management and tools designed to make it easy to understand complex data relationships. CIMdata strongly recommends that manufacturers using Solid Edge who are concerned about the costs and complexities of data management should consider Insight XT."

Insight XT provides a robust, easy to use design data management solution for companies that need help managing Solid Edge files and related design documents, working with SharePoint. Businesses that need PLM capabilities including multi-CAD and engineering process data management can continue to leverage Siemens PLM Software's Teamcenter® platform, the world's most widely used PLM system. Insight XT is scheduled to ship this summer. For more information please visit www.siemens.com/plm/insightxt

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Rev 11 Release of LMS Virtual.Lab Makes Virtual Simulation Even More Realistic

14 June 2012

LMS International today announced the release of LMS Virtual.Lab Rev 11, a new version of its solution for 3D functional performance engineering.

Enhanced realism

LMS Virtual.Lab is a multi-attribute engineering platform, combining high accuracy with superior speed, and a highly efficient process for structural integrity, multibody dynamics, noise and vibration and durability. LMS Virtual.Lab integrates a scalable solution for structural modeling and analysis, with advanced model creation and manipulation tools to efficiently generate component, subsystem and full-system models, always innovative for enhancing the user's experience.

- For multibody simulation, Rev 11 offers extended customization capabilities for template-driven simulation, a driving dynamics application and the seamless integration of mechatronic sub-systems.
- The main new acoustics features are the first class vibro-acoustic solvers, the high performance aero-acoustic extensions and the possibilities for full frequency range analyses in cabins and rooms through Ray-Tracing technologies.
- With regard to durability, Rev 11 allows the simulation of seam welds more accurately and efficiently.
- Rev 11 offers many customer driven enhancements in Virtual.Lab Structures in the areas of generic assembly and solver pre/post processing with, amongst others, a focus on handling large crash models and SOL200 pre/post.

Customer driven innovation

Stefaan Goossens, Vice-President Simulation at LMS International commented: "LMS Virtual.Lab Rev 11 introduces a breadth of innovative capabilities for various applications across industry segments. While developing Rev 11, driven by customer requirements and market trends, focus was given to extending the products capability, addressing new market needs, and improving our customers engineering processes. As such, Rev 11 brings tangible benefits through important development cost and time savings and ultimately supports our customers' transition towards design-right first-time."

Template-driven simulation and seamless co-simulation for multibody dynamics

LMS Virtual.Lab Motion embeds the new *LMS Virtual.Lab Composer* supporting drag-and-drop GUI creation, for easy customization of industry specific applications and streamlining the multibody dynamics simulation process.

Built on the LMS Virtual.Lab Composer framework, the *Driving Dynamics GUI* provides a dedicated interface for all vehicle dynamics analysis. The application, incorporating fully parameterized subsystem templates, helps users optimize vehicle systems for increased driving dynamics performance.

Today's product designs increasingly rely on integrated multi-physics subsystems. LMS Virtual.Lab Rev 11 provides state-of-the-art co-simulation interfaces to LMS Imagine.Lab AMESim (for hydraulic, pneumatic or electric subsystem modeling) and Simulink (for controllers).

First class vibro-acoustic solvers and more

In the area of Noise and Vibration, Rev 11 integrates a comprehensive and leading *structural FEM solver* (coming from the recent SAMTECH acquisition) for fully coupled *vibro-acoustic analyses*. Whenever one is dealing with vibro-acoustic simulations with damping, light structures such as composites, or plastics, or complex laminates, Rev 11 will do the job completely, efficiently and accurately.

The *aero-acoustics* capabilities for flow-induced noise applications have been dramatically enhanced, resulting in greater efficiency and providing higher fidelity in conjunction with the premier and ultra-fast acoustic FEM solvers enriched with the AML technology.

In addition, supporting high frequency acoustics, the *Ray-Acoustics* solver extends into the ATV technology. Running acoustic simulations up to the audible frequency range can be done more accurately and simply than ever before, an example being sound system design in vehicles.

Ensure reliable seam weld connections

LMS Virtual.Lab Durability supports more accurate and faster simulation of seam welds through new technologies allowing the inclusion of size effects for seam welds and automatic identification of all typical seam weld topologies in an FE-mesh. It eliminates the need for engineers to tediously model each seam weld connection manually and it offers significant speedups for large welded assemblies.

 [Click here to return to Contents](#)

RS Components Adds over 2,000 New Automation and Control 3D CAD Models to its Online Library

13 June 2012

RS Components (RS), the trading brand of Electrocomponents plc, has widened its extensive library of online 3D CAD product models with the introduction of more than 2,000 new models from leading manufacturers in its automation and control range, including Siemens, Omron, SMC, Parker Legris, Ace Products and Nuvotem. Available to download free-of-charge from the RS website, the models offer significant benefits to engineers and machine and panel builders who are continually in search of ways to cut design times in the increasingly competitive maintenance market.

As with the entire range of more than 30,000 certified 3D CAD models of electronic and mechanical components now available from the RS library, registered users can download the new models at zero cost in up to 23 neutral and native 3D CAD formats, which can be imported into all of the most popular

CIMdata PLM Industry Summary

CAD suites. This enables engineers to select their preferred CAD package for mechanical design, allowing faster product integration. To ease identification of parts and to speed up product orders, each of the 3D models is tagged with the RS part number. The new models span the full automation and control product offering from RS, including the latest programmable logic controllers, pneumatic controls and components, industrial controls, and switching and safety components.

Kevin Thompson, General Manager Maintenance at Electrocomponents said, “Today’s engineers are fighting a constant battle to get design times down to a minimum, and shorter design cycles can mean the difference between the success or failure of a project. Using our free 3D CAD models in their design process, our customers can gain invaluable time that would otherwise be spent creating models from scratch. This is just one of the many ongoing initiatives in place at RS to develop reliable technical online resources for maintenance and electronics engineers across the globe.”

RS currently offers more than 200,000 products in its automation and control range. For more information, visit <http://www.rs-components.com>.

About RS Components

RS Components and Allied Electronics are the trading brands of Electrocomponents plc, the world’s leading high service distributor of electronics and maintenance products. With operations in 32 countries, we offer more than 550,000 products through the internet, catalogues and at trade counters to over one million customers, shipping more than 46,000 parcels on the same day the orders are received. Our products, sourced from 2,500 leading suppliers, include electronics, automation and control, test and measurement, electrical and mechanical components.

 [Click here to return to Contents](#)

Solid Edge ST5 Delivers More Than 1,300 New Customer-Driven Productivity Enhancements

12 June 2012

[Siemens PLM Software](#) today announced the release of [Solid Edge® software ST5](#) (Solid Edge ST5), with advances in core design capabilities aimed at helping users develop better products faster. The latest Solid Edge release also contains more than 1,300 new customer-driven productivity enhancements.

Siemens PLM Software also announced Solid Edge Mobile Viewer, a new free 3D viewer mobile device application (app) for the iPad® portable digital device, which broadens access to design data to help companies enhance collaboration. The announcements were made at Siemens PLM Software’s [Solid Edge University 2012](#).

“The new features in Solid Edge ST5 are driven by our strong focus on our customers’ requirements. By responding directly to their needs, we ensure each functional enhancement delivers real business value,” said Dan Staples, director of Solid Edge product development, Siemens PLM Software. “Customers are

CIMdata PLM Industry Summary

seeing real benefits from our industry-leading synchronous technology and we've strongly extended our lead in this area."

Faster more flexible ways to use synchronous technology

Solid Edge continues to leverage synchronous technology, Siemens PLM Software's breakthrough history-free, feature-based design technology for digital product development, to provide designers and engineers a better way to create and edit designs and to help cut design time by enabling reuse of imported models. Solid Edge ST5 uses synchronous technology to provide enhanced support for multi-body modeling, which lets users import parts and assemblies from virtually any CAD system. The resulting imported geometry can be combined into a single part or multiple parts depending on manufacturing requirements.

"I am very impressed with what I have seen in Solid Edge ST5; especially the new multi-body design capability," said Grant Holohan, Mechanical Engineer, Hatch, a leading global EPCM company specializing in designing large-scale mining operations. "The new multi-body design capability gives us the freedom to design without worrying about individual parts unless needed. Using Solid Edge ST5 will dramatically increase the design productivity of our staff, saving a substantial amount of design time."

Continues to simplify drawing documentation

In many design and manufacturing companies, drawings are a key deliverable. Solid Edge enhancements continue to focus on drawing productivity to help lower shop floor errors. Enhancements in Solid Edge ST5 include the ability to show an assembly in multiple positions within a drawing view, to automatically place parts lists across sheets, and easily align the position of dimensions. A new marquee feature is the ability to create nailboards of electrical wiring harnesses, complete with flattened and "bend" views, drawing views of connectors, and connector and conductor tables for creating complete manufacturing documentation.

Delivers thermal analysis for steady-state simulations

Engineers often need to simulate both thermal and mechanical systems where a part may have to undergo both stress and a thermal load. And when issues are encountered, they require a fast, easy approach to making changes that improve design quality. Solid Edge ST5 now includes steady-state thermal simulation and when coupled with synchronous technology users can test more alternatives in less time, so designers can reduce the need to build and test physical prototypes.

Solid Edge Mobile Viewer App for the iPad

Users across a company now have the ability to view 3D parts and assemblies created with Solid Edge using the new free Solid Edge Mobile Viewer app on an iPad. The app includes the ability to rotate, pan, zoom, show and hide parts, create and email images. Solid Edge Mobile Viewer allows individuals outside of the traditional design and engineering departments to view design data, enabling faster, more convenient design reviews, customer presentations, or general model inspection.

Solid Edge ST5 is scheduled to ship in July. For more information please

visit www.siemens.com/plm/solidedgest5.

 [Click here to return to Contents](#)

Synopsys' LightTools Offers New Solutions for Lighting Systems Design and Analysis

11 June 2012

Synopsys, Inc. today announced the availability of enhancements to its LightTools® illumination design and analysis software. LightTools version 7.3 delivers a variety of new illumination design features in areas such as application-specific design, color quality analysis, LED phosphor modeling, and design management and performance that can help designers work more efficiently, save product development costs and deliver high-performance lighting systems.

"When designing illumination systems, we work closely with mechanical engineers, moldmakers and other teams at every step of the design process," said Blair Unger, president of Blu Optics, LLC.

"LightTools gives us the information-sharing capabilities we need to meet those process requirements, along with the design and optimization power that lets us speed up product development."

"We want to provide luminaire designers with new and better ways to turn their ideas into great designs and, ultimately, into products that give them a competitive advantage," said George Bayz, vice president and general manager of the Optical Solutions Group at Synopsys. "With LightTools 7.3, we have delivered powerful tools to help them accomplish this, with software enhancements to more effectively jumpstart, analyze, optimize and manage illumination designs."

Application-Specific Design: Street Lighting Utility

The LightTools Street Lighting Utility provides a specialized set of tools that guide users through the process of evaluating, designing and optimizing luminance and illuminance patterns on roadways to meet industry-standard specifications. Key capabilities include:

- Models complex luminaire designs directly in a roadway lighting configuration;
- Supports automatic design optimization to help ensure that the design meets industry standards, such as surround ratio and average luminance;
- Performs fast calculations of perceived light levels on a street for a series of fixtures;
- Calculates luminance data based on standard observer positions;
- Displays pass/fail criteria for the design based on industry standards.

Leading-Edge Metrics for Color Quality Analysis

LightTools now supports two additional metrics for evaluating a light source's color rendering performance: Color Quality Scale (CQS) and Gamut Area Index (GAI). These metrics are particularly useful for measuring the color quality of LED sources, and they augment the lighting industry's primary tool, Color Rendering Index (CRI), for evaluating a light source's saturation and contrast. Both CQS and GAI provide a highly accurate evaluation of light quality for color-critical applications, such as in retail environments.

LED Phosphor Modeling Enhancements

Enhanced phosphor modeling processes in LightTools help streamline phosphor material manufacturing

CIMdata PLM Industry Summary

for solid-state lighting applications. Phosphors are an important part of LED lighting systems because they are used to enhance LED color appearance and brightness. For example, phosphors can be used with an LED to create the warm white color of an incandescent lamp, which can improve the appearance of LED lights in retail and residential settings. LightTools now provides the flexibility to specify phosphor mixture ratios as a percentage by volume or weight. During manufacturing, this simplifies the process of determining phosphor particle concentration and relating model parameters to laboratory procedures.

Improvements to Design Management and Performance

The LightTools Optical Property Manager helps users more efficiently manage their design data. It provides a central location for assigning and changing optical properties throughout a model, as well as for defining defaults applied to new objects. An optical property in the master list controls all the areas in the model to which it is applied, so it is easy to make global changes at one time. Because of the Optical Property Manager's central data storage, LightTools models with this feature are smaller and use less memory. This is an important benefit for all models and a significant advantage for large models. In addition, LightTools 7.3 has been enhanced to accelerate operations, especially for large models, and includes 64-bit support that effectively eliminates model size limitations.

 [Click here to return to Contents](#)

TEEC and CSRF Team to Model and Automate Engineering Specifications

15 June 2012

The arduous task of preparing and maintaining technical specifications may soon be handled more like design and less like word processing, based on some recent advances from a Philadelphia-based startup. The Engineering Essentials Company, LLC (TEEC), which late last year released the first commercial version of its SpecWave® software for automating project specifications, has leveraged investments from the Construction Sciences Research Foundation Inc., Bel Air, Md., and Bentley Systems Inc., Exton, PA, to develop a specification modeling approach that mimics that of modeling physical components of a building.

SpecWave® provides optimized editing for professional specification writers, project engineers, and construction professionals; migration of legacy specifications into managed, searchable files; management of submittal and vendor information requirements; and substantial support for quality assurance, inspection, and reliability driven directly from the specification documents themselves.

“The transition from word processing to modeled documents is similar to the change from the drafting board to CAD and ultimately to 3D CAD,” said TEEC CEO Leon Gorbaty. “To meet increasing productivity expectations, project teams must produce more work with reduced errors and duplication of effort. Specification modeling allows information to be used for multiple purposes and gains of efficiency,” said Gorbaty, a mechanical engineer and programmer who developed early versions of SpecWave while managing specifications in the petroleum industry.

Gorbaty says SpecWave’s ability to connect specifications with related workflows such as CAD/BIM, submittals, and inspection is a paradigm shift that allows various processes to be defined on and driven

CIMdata PLM Industry Summary

directly from specification documents. SpecWave also introduces a wide variety of specification productivity tools, including:

- Style and structure enforcement of company standards and culture
- Multi-purpose master documents to consolidate content for business divisions, geographical/legal variants, and customers or offices
- Migration and optimization of existing libraries and documents
- And many more...

With a simple and expandable interface, SpecWave provides a comprehensive environment for mission-critical requirement documents that features little IT overhead and eclipses currently available solutions in word processing or database applications.

CSRF executive director Garry C. Zettersten said his organization has invested in TEEC because the technology can help integrate data across all aspects of a project, from inception through facility sustainment and disposal. “In the end, you will no longer need separate, incompatible files of data that no one can comprehend now or 15 years from now, said Zettersten. “SpecWave has an almost unlimited ability to provide comprehensive continuity of memory for your efforts.”

“We are especially honored to be recognized by a non-profit research organization such as CSRF,” said Adam Klatzkin, TEEC’s CTO/COO. “TEEC is committed to interoperability standards, community research, and working together with academic institutions and we see CSRF as a great ally for the future of construction industry research.”

In addition to the equity investment from CSRF, TEEC is also working closely with investor Bentley Systems, Inc., providers of MicroStation infrastructure design and modeling software and ProjectWise project collaboration software. TEEC is also working with several industry firms to deploy the product on active projects.

About The Engineering Essentials Company, LLC

The Engineering Essentials Company, LLC (TEEC) supplies commercial off-the-shelf software and customized solutions for clients that help manage their codes, standards, and engineering specifications. Clients gain power and convenience for developing, editing, and maintaining documents while enforcing corporate styles and formats. Additional information about TEEC is available at <http://www.teecspecs.com>.

To schedule a 30-minute webinar with a TEEC executive to discover how SpecWave can benefit your organization, visit the [SpecWave Discovery Session Registration](#) page at the [TEEC website](#):

About CSRF

The Construction Sciences Research Foundation, Inc. is a not-for-profit construction industry research foundation, with a charter to unify and integrate communication between programs and design/communications processes used in design and construction. Additional information about CSRF is available at <http://www.csrf.org>.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Theorem's First CATIA V6 JT CADverter Now Available

14 June 2012

Theorem Solutions CADverter portfolio has taken on a new dimension with the arrival of the first CATIA V6 translation product with more to follow in the coming months. Theorem's first translator for CATIA V6 <> JT is now available. Theorem's strong partnership with Dassault Systemes and reputation for quality and robustness of product ensures that the first CATIA V6 translators will not disappoint! Enabling direct translation of data between CATIA V6 and JT for the first time, the new CADverter from Theorem is already proving to be an important addition to the company's portfolio.

Theorem's CATIA V6 to/from JT translator enables the translation of all types of JT data into and out of the CATIA V6 format using the 3DXML file format.

With the use of Dassault Systemes strategic XCAD and Siemens JT Open technology ensures full compatibility, delivers high quality data and business benefits. The 3DXML data is a full and complete translation of the JT file, including Brep solids and surfaces, tessellated data, PMI (product manufacturing information), structure and colour which can be opened and worked up directly in CATIA V6 providing users with new methods and extends the use of 3D design data within a business enterprise and across supply chains and allows for use in CATIA V6, 3DLive, 3DVIA Composer, Delmia and Enovia.

The CATIA V6 <> JT CADverter works with Enovia V6 as standard, reflecting the CATIA V6 application processes. It can be used interactively or in batch mode depending upon a user's requirements, but unlike other Theorem CADverters, this particular product has been designed specifically to be incorporated into process-oriented operations and so is integrated and runs under the management of PLM.

The new CADverter's intuitive Graphical User Interface eliminates the need for users to remember complex syntax or undergo extensive training.

Ongoing compatibility with CATIA V6 and JT is assured through Theorem's licensing of API technology from both application sources. As a result, the new CADverter's architecture enables the translator to be employed without any need to access JT but a licensed version of the CATIA V6 application is required.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Universal Air Filter Upgrades to PARTsolutions for Online 3D Product Configurator and CAD Download Technology

13 June 2012

CADENAS PARTsolutions, LLC, a provider of 3D eCatalog and CAD download technology; and Universal Air Filter (UAF), a manufacturer of custom air filters as well as EMI vents and screens, announce the launch of UAF's online 3D CAD configuration modeling tool. UAF replaced their previous online configurator with 3D CAD and online product design technology, powered by PARTsolutions. With their new configuration platform and 3D PDF data sheets, UAF is able to improve the customer experience and better meet the needs of their customers by providing them with the latest tools and technology.

UAF's new digital 3D CAD modeling tool gives design engineers the ability to quickly access and configure the exact product they need, preview it in 3D and instantly download the CAD model in more than 150 native and neutral formats. Having access to this high-quality product data and CAD models significantly shortens design time. Rich visualization and real-time configuration capabilities improves the total customer experience. The new technology makes it much easier for engineers to "design in" UAF's parts directly into their products.

"One of the key reasons we chose PARTsolutions is that their core competency is online 3D catalogs, configuration and CAD modeling," says Dan Krupp, Director of Sales & Engineering, Universal Air Filter. "Other solutions in the space are just add-ons or throw-ins and it's not the core business of those providers. PARTsolutions is fully committed to online catalog and CAD technology and services. They've built their business on their expertise and leadership in this area. This is what they do and we want to work with the best in the business."

Another key factor in UAF's decision to switch providers was the fact that PARTsolutions is the only solution on the market that enables output of CAD models in native formats, not just neutral or STEP formats.

"This enables us to best serve all of our customers, no matter what CAD system they are using. Being able to deliver high quality product models to any engineer using any system around the world is a big advantage for us -- and our customers," says Krupp.

Other PARTsolutions features that appealed to UAF included the ability to deliver 3D PDF data sheets on the fly and universal browser compatibility.

PARTsolutions President Rob Zesch is accustomed to helping customers make the jump to more advanced online configuration platforms.

"It's refreshing to work with companies like UAF, because they get it. They're committed to providing

CIMdata PLM Industry Summary

the most advanced technologies and delivering the best experience and value to their customers," said Rob Zesch, President, PARTsolutions. "They know if they provide the best technology, tools and service to their customers, they will continue to win their business and pick up new business too. We're happy to partner with UAF and are excited to see their growth."

To use the UAF digital 3D configurator, visit www.uaf.com

About Universal Air Filter

Universal Air Filter manufactures engineered air filtration and EMI shielding products used to protect commercial equipment and electronics enclosures. With exceptional design and application knowledge necessary to satisfy the requirements of increasingly powerful and complex equipment, UAF serves as a valuable supplier to global OEMs serving all types of electronics and industrial machinery end markets. Engineering design support and quick-turn, free custom prototypes are provided to engineer customers operating under ambitious product development cycles. UAF filters are engineered to address the challenges of heat dissipation, dust contamination, airflow control, fire safety, EMI shielding, and size limitations in crowded electronic enclosures. Products also satisfy the most stringent end market certification standards and performance criteria.

About CADENAS PARTsolutions

CADENAS PARTsolutions is a leading provider of next generation 3D part catalog management and sales configuration solutions. For large manufacturers, CADENAS PARTsolutions provides centralized 3D standard part catalogs making it easy for global design teams to find, reuse, and control standard and proprietary parts. For component manufacturers, CADENAS PARTsolutions provides 3D part catalog with CAD download technology to increase sales lead generation and to ensure that components get "designed in" to OEM products. www.partsolutions.com

 [Click here to return to Contents](#)

ZWCAD+ Brings More Opportunities to Developers with the New APIs

14 June 2012

ZWCAD Design today officially announced that the new APIs on ZWCAD+ are now code level compatible with other mainstream CAD software. This enables developers to port their applications to ZWCAD+ much faster and with less effort.

"The new APIs are among the most exciting highlights of ZWCAD+," says Kingdom Lin, the [ZWCAD+](#) Overseas Business Director. "We're truly amazed by how fast our developers have been porting their existing applications to ZWCAD+ over the past few months. It usually took them several months to port a code intensive application, but now at most it only takes a few weeks."

CIMdata PLM Industry Summary

Popular CAD applications, such as [CADprofi](#), have been successfully ported to ZWCAD+. CADprofi is a professional CAD application for architectural, building services, electrical engineering, and more. It was ported to ZWCAD in 2010, and has sold hundreds of its applications every year.

“We decided to port our applications to ZWCAD, because ZWSOFT is a major player in the international CAD industry, and it continues to gain more customers at a fast pace. Together with ZWSOFT, we bring down the overall costs dramatically when customers choose ZWCAD and CADprofi as their CAD solution,” said Jacek Kosiorek, CEO of CADprofi Group. “After we saw ZWCAD+ for the first time at the ZWSOFT [Global Partner Conference](#) in early 2012, we knew there would be more sales opportunities with ZWCAD+. And we started to port our applications to ZWCAD+ shortly after.”

It took CADprofi Group less than a month to get the migration work done. Now CADprofi works smoothly on ZWCAD+, and it will be available to users worldwide when ZWCAD+ is officially released.

“We appreciate CADprofi Group’s effort in making their applications available on ZWCAD+, so that we can offer our customers an all-in-one CAD solution bundled with CADprofi at a compelling lower cost,” stated Kingdom Lin. “More importantly, CADprofi Group can make the most out of our huge existing base of over 180,000 customers, and they will also be able to sell their applications through ZWSOFT’s reliable partner network in over 60 countries, just like they’ve been doing in the past two years. We see huge business opportunities ahead of us with the cooperation with CADprofi Group.”

For many years, ZWSOFT has been dedicated in cutting the amount of time and work needed for developers to make their application migration easier. Now with the new APIs in ZWCAD+, developers like CADprofi Group will spend dramatically less time and effort porting their applications, while enjoying ZWSOFT’s huge customer base and tightly-knit partner network.

 [Click here to return to Contents](#)