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Acquisitions

Agile Software Corporation Announced Stockholder Approval of Merger With Oracle Corporation

13 July 2007

[Agile Software Corporation](#) announced that its stockholders have voted to adopt a merger agreement pursuant to which a wholly-owned subsidiary of Oracle Corporation will be merged with and into Agile, and Agile will become a wholly-owned subsidiary of Oracle. More than 74% of the Agile shares outstanding on the record date for the Agile special meeting were cast in favor of the merger agreement.

On May 15, 2007, Agile and Oracle announced the signing of the merger agreement under which Oracle will acquire Agile. Approval of the merger agreement by Agile's stockholders satisfies one of the conditions to the completion of the merger. All governmental regulatory approvals, both U.S. and foreign, required to consummate the merger have been obtained. The merger is expected to be completed as soon as practicable following the satisfaction of all of the conditions to closing.

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IFS Defence Acquires UK Software Company

13 July 2007

IFS Defence Ltd, a joint venture between BAE Systems plc and IFS AB, has acquired the British software company Information Science Consultants Ltd (iSC), headquartered in Cirencester, UK. The acquisition strengthens IFS Defence's position in the Aerospace & Defense sector, enhances its capability to deliver naval enterprise solutions and adds leading expertise in Reliability-Centered Maintenance (RCM) processes and toolsets to the IFS Application suite. IFS Defence can now offer unparalleled lifecycle management functionality for Engineering & Asset Management, MRO and SCM in the naval support sector.

iSC delivers maintenance management software and services, with particular strength in the implementation of RCM methodologies. iSC's focus has been on the naval sector, providing solutions for the UK Royal Navy fleet, including the onboard and onshore Unit Maintenance Management System (UMMS). IFS Defence has responsibility for leading the delivery and development of IFS' solutions for Aerospace & Defense globally. This acquisition will provide significant benefits to the customers, partners and suppliers of both IFS Defence and iSC. It brings together the leading capabilities of UMMS, a preferred front-end toolset for Maritime Engineering & Asset Management, and IFS Applications, which has a rich pedigree in delivering asset management, MRO and project-centric manufacturing solutions to the Aerospace & Defense sector. This will enable IFS Defence to offer a comprehensive Naval Enterprise Asset Management solution, strengthening its suite of global solutions for Aerospace & Defense.

"While IFS has a strong global footprint in defense-related industries and defense agencies worldwide, this acquisition will make us even more attractive to the naval sector," IFS North America President Cindy Jaudon said. "IFS Applications' strong asset and project management functionality has already won us a number of customers among privately-owned shipyards that service both commercial and military vessels. We are now even better prepared to meet the enterprise solution needs of defense agencies that operate ocean-going fleets."

Following the acquisition, iSC will be operated as a business unit of IFS.

More details can be found at <http://www.ifsworld.com/ad>.

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RAND Worldwide Completes Acquisition of CADVisions

5 July 2007

[Rand A Technology Corporation](#) (“RAND Worldwide™” or the “Company”), announced that it has completed the previously announced acquisition of Dallas, Texas-based CADVisions, Inc. The purchase price, payable by RAND, will be made in cash. CADVisions’ operations will be integrated into RAND’s IMAGINiT Technologies business unit.

CADVisions is an Authorized Autodesk Service and Support Center and a leading provider of Autodesk Inc. software and associated training, consulting and support services. With offices in Dallas, Texas; Wichita, Kansas; and Tulsa, Oklahoma, CADVisions has a customer base of more than 750, including many Fortune 500 companies.

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CIMdata News

Ask the Expert: Bridging ERP and PLM

6 July 2007

CIMdata Director of Research, Ken Amann, addressed the questions: “I am looking at the requirements for PLM and ERP integration. Can you please explain how these two applications are integrated? Is there software available for the integration?” in [Managing Automation](#)’s [Ask the Expert](#) column.

Ken’s answer:

What each customer needs to do is define their requirements for PLM-ERP integration (these vary by company and even divisions within companies). That analysis will indicate what functionality is needed for their specific implementation and which solution area should provide that functionality and/or be the master source/control for that function and the related information. Issues to be addressed are:

- Origin of information by type (design, cost, item master, etc.)
- Configuration and change management control — including what needs to be passed/managed between the two domains
- Information ownership over time (varies across the life of a product)
- Master location (e.g., some companies master change in PLM, others in ERP — same for item information, etc.)
- Frequency of update between the two domains — some need real time, others do not

For most requirements, either the PLM or ERP solution (or both) can support the need given some tailoring or customization of the integration between the two. Third-party solutions can be used for selected requirements but there is not a large set of them — again because the requirements are not

CIMdata PLM Late-Breaking News

"standard" across all implementations and it is difficult to develop a solution that is widely usable — but there are some.

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CIMdata Announces the Posting of a New Opinion Poll on PLM Education and Results of the Positioning of Your PLM Initiative and Related Vision and Strategy Poll

13 July 2007

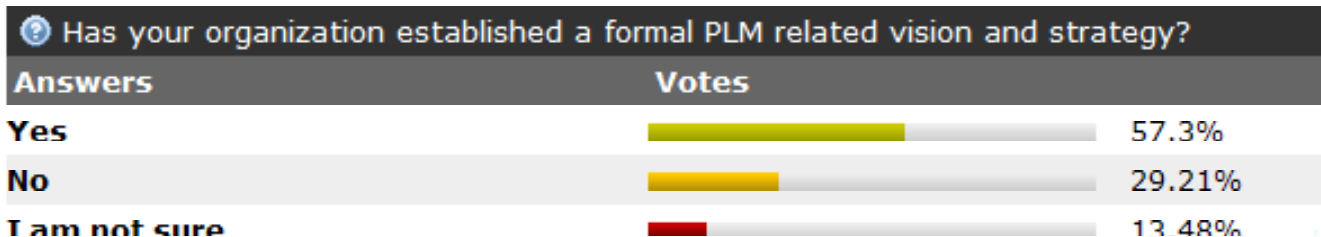
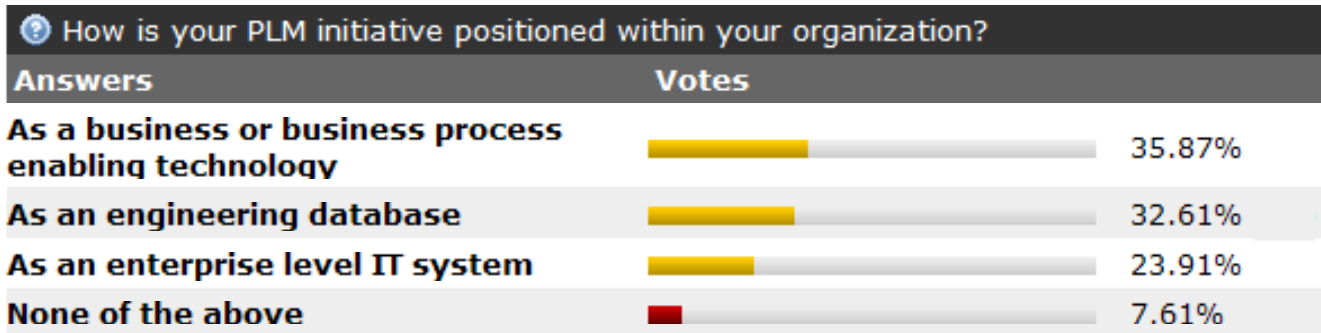
For your input, CIMdata is pleased to announce this new 3-part question on the topic of PLM education:

- Do education institutions provide sufficient PLM education?
- Can you hire properly PLM-educated college / university / technical institute graduates?
- Is your company willing / looking to educate its employees on PLM?

To vote click [here](#).

One of our PLM newsletter readers suggested this topic. If you have a PLM related topic for which you would like opinion poll feedback, please send it to us at info@cimdata.com.

AND the results of our last opinion poll are:



NOTE: The results of these polls are anecdotal, not scientific.

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Company News

Actify Increases Global Channel for Digital Design Communication Solutions

10 July 2007

[Actify Inc.](#) announced that the company has expanded its global channel by entering into a new reseller agreement with SoftLine in Russia to extend the reach of Actify's suite of digital design communication products which includes the DesignShare solution. With this partnership, Actify continues to make a global footprint, enabling the company to access new markets. Already successful in their respective region, the partnership between SoftLine and Actify holds promising results for all involved.

"As more and more companies become global operations, the need for a solution to exchange all types of data becomes integral," said David Opsahl, CEO of Actify Inc. "With many of our worldwide customers standardizing on the Actify solution, we make it a priority to have support and training easily accessible throughout the globe. Our partnership with SoftLine aids us in our initiative to provide proven software solutions worldwide."

Under the terms of the agreement, SoftLine will market and sell the Actify products in Russia. The agreement supports Actify's objective to build extensive distribution networks throughout the globe and make the company's products and solutions available to all technical and non-technical users around the world, who need access to all data including 3D and 2D CAD data.

"With the manufacturing industry continuing to grow in Russia, the need for efficient and accurate data communication and collaboration is in high demand," said Mr. Ruslan Belousov, Sales Director of SoftLine Company. "As the leading software distributor in our region, our goal is to offer the latest and greatest in digital design communication tools, and by joining Actify's European Reseller Channel, we will be able to satisfy our customers' and prospects' needs"

Based in Russia, SoftLine Company is one of the leading distributors and value-added marketers of software products in its region. A Microsoft Gold Partner, SoftLine offers its clients a full range of services for the implementation of the software they purchase including training users. Customers include leading Russian and foreign companies like Gazprom, Lukoil, the Central Bank of Russia, RUSAL, Basic Element, Norilsk Nickel and Severstal, to name a few.

Further information on SoftLine can be found at: <http://www.softline.ru/>

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Altair Engineering Recognizes U. of Western Australia and U. of Kansas for Innovation in Vehicle Design at 2007 Formula SAE®

10 July 2007

Altair Engineering, Inc. announced that it presented the University of Western Australia (Perth) and the University of Kansas (Lawrence, Kan.) with the William R. Adam Engineering Award at the 2007 Formula SAE® (FSAE) and the 2007 Formula SAE West competitions, respectively. The Formula SAE event was held this year at Ford Motor Company's Romeo, Mich., proving grounds from May 16 through May 20, 2007. The FSAE West competition was held at the California Speedway in Fontana from June 13 through June 16.

Initially conceived in 1981 as a road-racing counterpart to the established SAE Mini Baja®, FSAE has

grown to more than 20 times its original size in terms of both cars and participants. Altair's William R. Adam award recognizes and rewards teams that have invested time and effort to develop new and innovative engineering concepts in vehicle design. Honorable mentions were given to the University of Windsor and the University of Waterloo (both in Ont., Canada), Lehigh University in Bethlehem, Pa. and Brigham Young University in Provo, Utah. The 2006 winners of the William R. Adam Engineering Award were Lehigh University at the FSAE competition and the University of California (UC) at San Diego at the Formula SAE West competition.

"This competition represents the future of innovative vehicle engineering," said Michael Heskitt, Altair's vice president of Global Engineering. "Top engineering students from all over the world are challenged here to take risks to fully develop new concepts, while adhering to sound engineering principles, exhibiting strong reasoning and properly executing the development process. Altair is proud to reward their efforts."

Representatives from [Altair](#), led by University Program Manager Dr. David Schmueser, judged the contestants based on the degree of innovation, the engineering processes used and the effectiveness of those processes. In addition, judging is based on realistic engineering demands, including timing, cost, relevance to target market, production feasibility and ease of use. Altair, an FSAE Silver Sponsor, provides free Altair® HyperWorks™ licenses to all FSAE teams. HyperWorks -- the enterprise solution for product innovation -- is the industry-leading modeling, visualization, simulation and optimization software used by major automotive manufacturers worldwide.

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AspenTech Welcomes Fujitsu into Partner Community as it Launches Global Partner Network

9 July 2007

Aspen Technology, Inc. launched the AspenTech Partner Network to support increased customer and market demand for its technology and solutions. The program, which includes a defined structure for strategic, system integrator, and channel partners, offers partners access to AspenTech's products and solutions, including aspenONE, and technical training and support. The program also offers joint marketing opportunities.

AspenTech's Partner Network is designed to help AspenTech and participating partners expand their product and service offerings and grow revenues. Partners can increase revenues by incorporating and reselling AspenTech's products with their offerings and by the delivery of related implementation and integration services. In addition to access to technology, training, support and marketing, the program also includes access to the new AspenTech Partner Portal designed to enable and foster an online community.

"Partners play an important role in AspenTech's ability to reach and support a broader spectrum of customers globally in the process industries," said Blair Wheeler, senior vice president of marketing for [AspenTech](#). "They bring an immense amount of industry expertise, credibility and success in selling into key vertical markets and help AspenTech maintain its leadership position in the energy and chemical markets, and build our footprint in other markets such as metals and mining, pulp and paper, power and utilities, consumer packaged goods and pharmaceuticals. The AspenTech Global Partner Network is a structured program to realign and focus our efforts on building a strong, communal partner ecosystem to better provide our customers with high value solutions."

Fujitsu, which recently signed a marketing and sales agreement with AspenTech, joined the AspenTech

Partner Network program because it recognized the value AspenTech's solutions deliver. This agreement enables AspenTech to expand its reach in Japan in the energy and chemical sectors, as well as in adjacent industries such as metals and mining and pulp and paper. The agreement enables Fujitsu to market and sell aspenONE and operational performance management products in these markets to provide customers with end-to-end solutions that increase operational efficiencies and reduce costs.

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Autodesk Invest in Education Program Allows Brinderson to Donate Software Seats Worth \$200,000 to Glendale Community College

11 July 2007

[Autodesk, Inc.](#) announced that Brinderson & Associates, a full-service engineering, construction and maintenance company, has donated \$200,000 worth of Autodesk Inventor Professional software to Glendale Community College. The gift was made possible through the Autodesk Invest in Education program, which gives commercial companies that purchase Autodesk software the opportunity to donate seat licenses to an educational institution of their choice. The software grant will allow Glendale Community College to train its students on the latest version of Autodesk Inventor.

"We are pleased to be Brinderson & Associates' chosen partner and recipient of software through the Autodesk Invest in Education program," said Kim Holland, executive director of the Professional Development Center at Glendale Community College. "We have many engineering and aerospace firms in the area who rely on us to provide practical, customized training in technical and professional skills. By teaching students the latest versions of Inventor software, we are helping those employers to maintain a competitive edge in their industries."

Brinderson's purchase of the Autodesk program suite -- including Inventor Professional and AutoCAD software -- allowed them to direct funds equaling twice the amount of their total purchase towards Glendale Community College, providing 30 licenses of Autodesk Inventor for training purposes.

"The Autodesk Invest in Education Program has been a terrific way for us to support and strengthen the local community," said Jesse Gaytan, a CAD manager at Brinderson & Associates who is also an instructor at Glendale Community College. "Providing the next generation of engineers with access to best-in-class technologies like Inventor Professional helps us ensure that we'll have the highly trained personnel we need to meet the future needs of our ever growing client base."

Brinderson learned of the Autodesk Invest in Education program from KETIV Technologies, a leading Autodesk reseller and the only manufacturing premier solutions provider serving the Southwest United States.

"We have been based in Southern California for more than 20 years, and have made a real investment in developing the engineering community," said Erin Spinney, marketing manager at [KETIV](#). "We were thrilled to use the Autodesk Invest in Education program to connect a leading local enterprise like Brinderson with a local educational institution like Glendale Community College -- it has been a big win for all parties."

Brinderson is an integrated professional service company offering engineering, construction and maintenance to a broad range of energy related industries including petroleum (upstream and downstream), power generation and distribution, manufacturing, alternative fuels and renewable energy. For more information, please visit <http://www.brinderson.com/>.

The Professional Development Center (PDC) at Glendale Community College is recognized statewide as a leading provider of customized training, helping California employers to remain competitive and become more profitable. The PDC reaches out to business and industry to empower California workers and companies through state-funded workforce training at company sites or at the PDC headquarters in Glendale, Calif. For more information, please visit <http://www.professionaldevelopmentcenter.com/>

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Bill McDermott Named to ANSYS, Inc. Board of Directors

13 July 2007

[ANSYS, Inc.](#) announced that its board of directors has elected Bill McDermott, President and Chief Executive Officer of SAP Americas & Asia Pacific Japan, to the ANSYS board. He also has been appointed to the Compensation Committee.

Since 2002, McDermott has been an executive and Corporate Officer at SAP. He is currently responsible for managing SAP's business activities throughout North and South America as well as Asia Pacific.

Prior to SAP, McDermott served as Executive Vice President, Worldwide Sales Operations at Siebel Systems and as President of Gartner, Inc. He spent 17 years at Xerox Corporation holding various senior management positions including President of U.S. Major Account Organization and Senior Vice President / General Manager of Xerox Business Systems. McDermott has a B.S. degree in business administration from Dowling College and an MBA from Northwestern University. He serves on the board of directors of Under Armour, a performance apparel company dedicated to technologically advanced products, and PAETEC Communications, a nationwide integrated communications provider.

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CIMdata Ranks Delcam Development Team as Largest in CAM Industry

11 July 2007

Delcam has the largest software development team in the CAM industry according to the latest [NC Software and Related Services Market Assessment](#) from renowned US consulting and market research firm, CIMdata. The report states that Delcam has 125 staff in CAM product development. This is 15 developers more than sales leader Dassault Systemes, over 50% more than UGS, and more than three times as many as PTC, which had only 35 CAM developers in 2006.

"We offer the broadest range of CAM systems on the market with our PowerMILL, ArtCAM, FeatureCAM and PartMaker families of software," explained Delcam's CAM Development Director, Steve Hobbs. "Our large development team is our commitment to our customers to ensure they can maximise the benefits they gain from all of our products."

Even though it already has the largest development team, Delcam is in the process of recruiting extra software developers to help the company maintain its position as a world leading specialist CAM supplier. In particular, it is seeking extra staff to work on the company's PowerMILL CAM system and PowerINSPECT inspection software at its Birmingham headquarters.

"Our maintenance income was at record levels last year, which demonstrates the value our customers place on our new developments," added Mr. Hobbs. "However, we know that we cannot afford to be

complacent about our position and recognise that we need even more developers if we are to further increase our technical leadership over our competitors.”

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Dassault Systèmes Names Jeff Ray CEO of SolidWorks; Ray to Strengthen SolidWorks' Leadership of Global 3D CAD Market

11 July 2007

Dassault Systèmes ([DS](#)) announced the appointment of Jeff Ray as CEO of SolidWorks, Dassault Systèmes' brand for mainstream 3D mechanical design software. Previously chief operating officer, Ray is replacing John McEleney. Ray will be responsible for making SolidWorks the industry standard in mainstream 3D CAD.

“Jeff brings a wealth of industry and management experience to his new role that will assure SolidWorks' successful performance in the next stage of its development,” said Bernard Charlès, president and CEO of Dassault Systèmes. “John has done a fantastic job of transforming SolidWorks from an ambitious startup into a successful global organization with an unrivaled distribution channel through his unwavering commitment to customers, community, employees, and colleagues.”

Ray joined SolidWorks in October 2003 as chief operating officer. He has been instrumental in improving global distribution performance and increasing revenue, profit, and global market share. His four years at SolidWorks extend his nearly 30-year record of building and transforming operations in international businesses. He has held senior executive positions at companies including Progress Software, Compuware and IBM.

Founded 14 years ago by Jon Hirschtick and under John McEleney's strong leadership since 2001, [SolidWorks](#) is a remarkable success story. Ten years after its acquisition by Dassault Systèmes, SolidWorks' revenues have increased almost forty fold and over 680,000 users now benefit from SolidWorks' solutions.

McEleney is retiring to embrace new personal opportunities. He will remain closely linked to the company as a member of SolidWorks' board of directors and Dassault Systèmes' global management team until the end of the year.

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Delcam Holds Biggest-Ever Meeting for FeatureCAM Sales Partners

10 July 2007

Last month Delcam held its biggest-ever meeting of Sales Partners for its FeatureCAM knowledge-based CAM system. The meeting, which was held at the FeatureCAM development centre in Salt Lake City, attracted over 80 reseller representatives.

"The increased attendance reflects the dramatic growth we have seen since we became part of the Delcam group," commented Glenn McMinn, President of Delcam North America. "FeatureCAM is now sold in all of the 60 countries where Delcam has resellers. In addition, several of Delcam's established Sales Partners in North America have added FeatureCAM to their software portfolios.”

The main highlight of the meeting was the preview of the forthcoming FeatureCAM 2008 version, which is due for release in the next month. Improvements include support for continuous five-axis

machining for the first time, a wide variety of turn/mill and multi-turret turning improvements, new 3D milling techniques and an improved tool database with more options to link pre-defined feeds and speeds to individual tools. The new release also features numerous smaller enhancements and speed-ups, plus new and updated post-processors, in particular for turn/mill equipment, including the Mazak Integrex, Daewoo Puma and Nakamura-Tome machines.

The meeting also saw presentations to the most successful FeatureCAM sales teams from the last year. TriMech Manufacturing was named "North American Distributor of the Year" for 2006; the eighth consecutive year that the company has received this accolade. The International Distributor award went to another eight-time winner FCS International from Japan. Christian Briscoe was another repeat winner as the North American Direct Salesman of the Year.

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Download Free Arena Solutions/Symphony Consulting Whitepaper: Manufacturing Outsourcing: Seven Common Pitfalls to Avoid; Paper discusses the importance of putting in place the right strategy, processes, people, and tools

12 July 2007

Title

Manufacturing Outsourcing: Seven Common Pitfalls to Avoid

For

Original equipment manufacturers (OEMs), primarily small or mid-size, who wish to become more competitive through manufacturing outsourcing or who wish to gain greater control of their current manufacturing outsourcing efforts.

Authors

- Bijan Dastmalchi, co-founder and president of Symphony Consulting, Inc., a Silicon Valley consulting firm specializing in manufacturing outsourcing and supply chain management.
- Richard Vermeij, senior director of product marketing at Arena Solutions, the leading provider of on-demand product lifecycle management (PLM) software.

How

Download immediately from: http://www.arenapl.com/forms/media_outsourcingpitfalls_07q3

Cost

Free (11 pages)

Details

Despite the significant benefits that come with manufacturing outsourcing, there are also risks that, unmitigated, can have a significant impact on a company's financial performance and long-term success. To be successful, this commonly used supply chain strategy requires careful consideration of a variety of issues that are often overlooked. Outsourcing that's not established on the right processes or infrastructure can lead to a loss of control, offsetting the benefits by introducing new costs and risks. Implementing solutions to these most common mistakes is not trivial, cannot be rushed and must be pursued with a strategy in mind. In the end, manufacturing outsourcing can be successful if companies

have the right strategy, processes, people and tools to maintain control of their business.

In the whitepaper, the authors offer insight into—and recommendations for how to address—the seven most common pitfalls of manufacturing outsourcing:

1. Selecting the wrong contract manufacturer
2. Quote-and-go approach
3. Negotiating a weak contract—or no contract at all
4. Poor NPI project management
5. Inadequate change management processes and infrastructure
6. Broken environmental compliance management
7. Ignoring the hidden costs of going off shore

Symphony Consulting and Arena Solutions host various best practice-oriented events, from webinars to full-day workshops. Please visit <http://www.symphonyconsult.com/workshops> for more information.

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Gilles Albarèdes Appointed Chief Marketing Officer for the Lectra Group

9 July 2007

[Lectra](#) announced the appointment of Gilles Albarèdes to the position of Chief Marketing Officer. He will be responsible for product marketing, operational marketing, communications, and events. Gilles Albarèdes is based in Paris and will report directly to Daniel Harari, Lectra's Chief Executive Officer.

His arrival comes as Lectra is renewing its offer with the new generation Vector automated cutting machines, which are more powerful and more intelligent, Modaris 3D Fit, the three dimensional virtual prototyping software application, the new Kaledo design software offering, and the new version of Lectra Fashion PLM.

Lectra has confirmed its confidence in the future with its goal of €300 million revenue and an operating margin of 15% for 2009, thanks to its five growth accelerators: automotive, installed customer base, PLM, China, and the United States.

Prior to joining Lectra, Gilles Albarèdes, 44, worked for SAS as Associate General Manager sales and Marketing. From 2002 to 2004, he held the position of Chief Operating Officer for Tridion, Web content management software vendor. From 1996 to 2002, he held different positions in sales and marketing management at Autodesk, 2D and 3D design software suppliers in various industrial sectors.

Gilles Albarèdes holds a Master's degree in geo-marketing from the University of Alberta (Canada).

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Lectra and the Camera Nazionale della Moda Italiana Sign a Three-Year Partnership Agreement

12 July 2007

Lectra has signed an historic partnership agreement with the prestigious [Camera Nazionale della Moda Italiana](#) (National Chamber for Italian Fashion), the association that governs, coordinates and promotes

the development of Italian fashion worldwide.

Through its partnership with the Camera Nazionale della Moda Italiana (CNMI), Lectra will be associated with all major fashion events in Italy, such as industry-related conferences, promotional events and the world-renowned fashion shows of Milan. Lectra will also work with the CNMI on programs to help young Italian designers successfully achieve their projects.

Partnering at the Italian Fashion Weeks

Lectra and the CNMI will work in partnership at all the world famous “Fashion Weeks” in Milan: Milano Moda Donna and Milano Moda Uomo. Milano Moda Donna is a major event for the world’s leading prêt-à-porter collections designers, and also the most prestigious platform for launching new names. CNMI will particularly involved Lectra in the Next Generation, Fashion Incubator projects and in any other initiative dedicated to the support of young designers.

Accompanying emerging fashion entrepreneurs

One of the main projects of the Lectra-CNMI partnership will involve the promotion and support of young fashion designers through the “Fashion Incubator Project.”

“The primary objective of this project is to encourage the establishment and development of small fashion enterprise initiatives,” said Mario Boselli, President of the Camera Nazionale della Moda Italiana. “Lectra will provide its innovative technologies, and both Lectra and the CNMI will bring their expertise to support young designers in their projects, helping them to develop their activities and increase their creativity and competitiveness. This new partnership will create new opportunities for promising new designers who need this support to succeed.”

CNMI: the highest cultural values of Italian fashion

Founded in 1958 in Milan, the CNMI’s mission is to defend and enhance the “made in Italy” image, both in Italy and abroad. The CNMI represents Italy’s top 200 fashion companies and works with numerous schools to train and promote a new generation of fashion talent through specific projects.

The organization acts as the privileged point of contact for all domestic and international activities aimed at promoting Italian fashion. The CNMI is the major protagonist on the international fashion scene, with highly developed networks with other fashion centers such as Paris, London and New York.

“Fashion professionals have been confronted by an increasingly competitive and fast-paced market context over the past decade,” added Mario Boselli. “The benefits of technological innovation for production processes have been clearly demonstrated, and one of the next challenges is to increase the adoption by fashion professionals of innovative technologies during the creation process.”

“We are proud to join forces with the Camera Nazionale della Moda Italiana,” said Lectra CEO, Daniel Harari. “[Lectra](#) has always been heavily involved in Italy, where we accompany nearly 3,000 fashion companies in their daily activities. Our partnership with the CNMI will allow us to go even further.”

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SolidCAM Named Number. 1 in Consistent Growth for CAM

9 July 2007

In a press release from June 4, 2007, CIMdata commented about the most rapidly growing CAM software vendors in the market. According to the CIMdata “[NC Software and Services Market](#)

[Assessment Report Version 16](#)”, the worldwide CAM software market grew in 2006 at a rate of 6.9% over 2005. SolidCAM was one of the vendors, that achieved a revenue growth in excess of 30% in 2006. In addition, SolidCAM has been named by CIMdata as the consistent growth leader in CAM over the last five years, with annual growth rates in the 30% range. It is important to note, that SolidCAM achieved this solely by internal growth and without external acquisitions. CIMdata is projecting that SolidCAM will be the most rapidly growing CAM vendor for 2007.

Mr. Alan Christman, [CIMdata](#) Chairman and primary author of the report, analyzed the reasons for the exceptional growth of SolidCAM: “SolidCAM has established a distinctive position in the market by being one of two CAM vendors to be certified Gold partners of SolidWorks. They have been able to capitalize on this partnership and in addition they offer powerful CAM functions to cover a broad range of manufacturing applications.”

By being totally integrated in the leading 3D CAD mainstream system SolidWorks, SolidCAM provides all the necessary operations for the manufacturing of a part inside SolidWorks. With its seamless single-window integration in SolidWorks, all the SolidCAM machining operations are defined, calculated and verified in the SolidWorks environment. All geometries used for machining are fully associative with the SolidWorks design model. When the geometry of a part is modified, SolidCAM enables the user to automatically synchronize all machining operations with the updated geometry. SolidCAM creates efficient toolpaths and supports advanced CAM intelligence including knowledge-based manufacturing processes and automatic feature recognition and machining (AFRM).

As main reasons for this tremendous market success, the founder and CEO of SolidCAM, Dr. Emil Somekh, named "our more than 20 years experience in the development of easy-to-use, powerful CAM Software, the complete “Gold-certified” integration into the 3D-CAD standard platform SolidWorks and the implementation of high-end CAM functions including High-Speed machining, 5 axes simultaneous machining and Turn-Mill programming. He continued: “The launch of our new High-Speed machining module at the end of 2006 opened new markets like the mold, tool and die market. Moldmakers often have to do mold design and NC programming in one process chain, so that for them single window integration is an important factor to reduce the lead time of the molds. In parallel, we have expanded our worldwide sales and support capabilities. We added new resellers and employees especially in the emerging markets in Eastern Europe, Asia and Latin America.”

About SolidCAM

Founded in 1984 by its Managing director Dr. Emil Somekh, SolidCAM provides manufacturing customers with a full suite of CAM software modules for 2.5D and 3D Milling, High-Speed Machining, Multi-sided Indexial 4/5 axes Milling, Simultaneous 5 axes Milling, Turning, Turn-Mill up to 5-axes and WireEDM. SolidCAM has the Certified Gold-product status from SolidWorks and provides single-window integration and full associativity to the SolidWorks design model including parts, assemblies and configurations. SolidCAM has today more than 12,000 seats installed. SolidCAM is sold by a worldwide reseller network in 46 countries. For the latest information, visit <http://www.solidcam.com/>



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Events News

Business Improvement - Leading ASEAN Engineers to Meet in Kuala Lumpur Convention Centre on 24 July 2007

12 July 2007

AVEVA will be holding a one day seminar bringing knowledge about engineering IT solutions to engineering and owner operating organisations in Malaysia, Brunei, Indonesia, Thailand and Singapore. The seminar aims to keep engineering managers and decision makers abreast with the latest opportunities for utilising engineering IT technologies to increase competitive advantage and business processes.

AVEVA software supports the world's process and marine industries with comprehensive solutions for the design, construction and lifetime support of all types of process plant and shipbuilding. Built around high-integrity, data-centric technology, AVEVA's product range allows rapid, error-free design, project and material control, and efficient manufacture in a truly global, multi-site environment. The seminar will also focus on life beyond commissioning, and discuss advanced support for plant maintenance, life extension and upgrade, right through to safe decommissioning.

Participants for the AVEVA PLANT ASEAN User Group Meeting 2007 will have the chance to attend presentations from key AVEVA clients and owner operators; and see the latest advances in 3D plant design technology for accurate and clash free design, explore the suitability for owner operators, and hear the latest on AVEVA's open Product Lifecycle Management (PLM) system.

The event will be held at the Kuala Lumpur Convention Centre on the 24 July 2007. Admission to the event is free by invitation only. For more information and registration, please contact: Nor Haslinawati Nazam at Tel: +60 (0) 3 2176 1234 Fax +60 (0) 3 2176 1334 or email: norhaslinawati.nazam@aveva.com.

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KOMPAS-3D Was Presented at IT-Messe in Thuringen, Germany

11 July 2007

KOMPAS-3D was shown at IT-Messe Thuringen, Erfurt, Germany.

The fair was the first IT-Messe in Thuringen since 10 years ago. SATTLER Media, the official value added reseller of KOMPAS-3D software in Germany, exhibited at the fair and showcased visitors live-demonstrations of KOMPAS-3D product line. IT-Messe attendees were familiarized with basic version of professional solution for Mechanical CAD – KOMPAS-3D V8 Plus, widely known for its powerful-functional, easy-to-learn feature and attractive price. Extended line of add-ons and specialized applications for kinematic and dynamic analysis in KOMPAS, animation, photo rendering and collaboration with other CAD/CAM systems also was presented at the IT-Messe Thuringen.

Frank Sattler, CEO of SATTLER Media points out: “We have had a lot of good contacts for CAD software and so I think the fair was successful for us. There was some very interested conversations, especially with the Universities representatives at the fair”.

To learn more visit KOMPAS-3D on the web <http://www.ascon.net/>; <http://www.kompas3d.de/>

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Registration is Now Open for the COE 2007 Industry Workshops

July 2007

COE 2007 Industry Workshops offer two days of industry-focused, technical education and training on the Dassault Systèmes PLM solutions.

COE 2007 Industry Workshop - Automotive

October 1-2, 2007

Hyatt Regency Dearborn

Dearborn, Michigan

Learn from Dassault Systèmes and IBM executives on topics including:

- Global Collaborate Environment V4 to V5
- Working with DMU
- Working with Knowledgeware
- Systems Management
- Justifying the Expansion of PLM into Other Domains
- Business Processes

At this workshop you'll also network with industry peers and experts, and discover the latest automotive industry solutions on the market.

Upcoming Deadlines:

- Early Registration Deadline: Friday, August 10th
- Hotel Discount Deadline: Friday, August 31th

[Register for the Workshop](#)

COE 2007 Industry Workshop - Aerospace & Defense

October 8-9, 2007

Hyatt Regency Wichita

Wichita, Kansas

Staying up-to-date on the ever-changing trends and technology in the aerospace industry is important, and at times, challenging. Attend the COE Industry Workshop – Aerospace & Defense in Wichita and receive timely, industry-focused, hands-on training from top Dassault Systèmes and IBM executives. Educational and technical tracks include:

- Shipbuilding Track: V4 to V5 Shipbuilding Evolution/Migration

- Post Delivery Product Support
- Challenges in Working with Large Assemblies
- The 'Real World' Process for the Recurring Legacy Data Issue
- Digital Manufacturing
- Technology, Issues, Challenges and Solutions in Meeting the clients'
- Requirements for their Airplanes
- Challenges as a Tier 1 Supplier
- Deploying PLM Technology Across a 'Real World' Production Enterprise

Upcoming Deadlines:

- Early Registration Deadline: Friday, August 10th
- Hotel Discount Deadline: Friday, September 14th

Register for the Workshop

Don't miss out on COE's exclusive savings opportunities!

Register for [COE 2007 Industry Workshop - Automotive](#) or the [COE 2007 Industry Workshop - Aerospace & Defense](#) by August 10 and **save \$200** off the full workshop registration price

Visit <http://www.coe.org/> to register and for the latest workshop details, including speakers, sessions, events and more.

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Financial News

ANSYS to Release Second Quarter Earnings August 2, 2007

12 July 2007

ANSYS, Inc. announced that the global innovator of simulation software and technologies designed to optimize product development processes expects to release its second quarter earnings on Thursday, August 2, 2007. The Company will hold a conference call conducted by James E. Cashman III, President and Chief Executive Officer, and Maria T. Shields, Chief Financial Officer, at 10:30 a.m. Eastern Time to discuss second quarter results and future outlook.

CONFERENCE CALL INFORMATION:

What: ANSYS Second Quarter Earnings Conference Call

When: 8/2/07 at 10:30 a.m. Eastern Time

Where: <http://www.ansys.com/corporate/investors.asp>

The conference call dial in number is 913-312-6673 or 866- passcode ANSYS

The call will be recorded with replay 719-457-0820 or 888- passcode ANSYS (26797)

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MSC.Software To Host Second Quarter Earnings Conference Call and Webcast on August 7, 2007

11 July 2007

MSC.Software Corporation announced that it will host a conference call to discuss second quarter financial results on August 7, 2007 at 1:30 PM Pacific time.

The second quarter conference call will include a slide presentation that can be downloaded at: <http://www.mscsoftware.com/ir/>. The conference call can be accessed by webcast at: <http://www.mscsoftware.com/ir/> or by dialing in to (800) 374-0151 for US callers, or (706) 634-4981 for international callers. To participate in the live conference call, use the following conference ID code: 6859967.

An archived version of the conference call will be available at <http://www.mscsoftware.com/ir/>. The teleconference replay will be available for 48 hours after the call at: U.S. (800) 642-1687 or Intl. (706) 645-9291 using the conference ID code: 6859967.

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Open Text to Report Fourth Quarter and Fiscal Year-End 2007 Financial Results on August 30, 2007

12 July 2007

Open Text™ Corporation announced that financial results for its fourth quarter and fiscal year-end 2007 will be released on Thursday, August 30, 2007 at approximately 4:00 p.m. ET.

Teleconference Call

Open Text will host a conference call on August 30, 2007 at 5:00 p.m. ET to discuss its financial results.

Date: Thursday, August 30, 2007

Time: 5:00 p.m. ET/2:00 p.m. PT

Length: 60 minutes

Where: 416-640-1907

Please dial-in approximately 10 minutes before the teleconference is scheduled to begin. A replay of the call will be available beginning August 30, 2007 at 7:00 p.m. ET through 11:59 p.m. on September 13, 2007 and can be accessed by dialing 416-640-1917 and using pass code 21238674 followed by the number sign.

For more information or to listen to the call via Web cast, please use the following link:

http://www.opentext.com/investor/investor_events/index.html.

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Implementation Investments

Ag Leader Technology Improves Collaboration and Visibility with Agile Advantage 2006

12 July 2007

[Agile Software Corporation](#) announced that Ag Leader Technology implemented Agile Advantage 2006 to streamline and provide visibility into the product network. Ag Leader Technology, a global leader in precision agricultural systems, implemented two modules of the Agile Advantage 2006 suite and is looking to implement additional modules in the near future. Ag Leader Technology chose Agile based on their industry expertise, fast implementation, and quick ROI.

"Prior to implementing the Agile solution, we were managing all of our product record information through a manual paper-based process that slowed down our cycle time tremendously and ultimately caused broken change and release processes," said Ryan Whit, mechanical design manager, Ag Leader Technology. "Agile's highly configurable PLM solution enabled us to increase our collaboration and visibility into the product network while sustaining the fast paced work environment we are used to."

Based in Ames, IA, with over 150 employees, Ag Leader Technology is a global leader in precision agricultural systems and is committed to meeting the present and future needs of the precision agriculture industry by providing high quality products and first class support. Ag Leader Technology has products that support a wide array of precision farming practices, including grain and cotton yield monitoring, application rate monitoring and controlling, site-verification, global positioning, guidance and assisted steering. Ag Leader has led the precision agriculture industry in innovation and quality by providing the best precision farming electronics. Ag Leader Technology offers compatibility and integration of different types and different brands of equipment for precision farming. The latest equipment available is supported as well as older series of combines, cotton pickers, planters, sprayers, and tillage equipment, etc.

Ag Leader Technology has implemented the Agile Product Record and Agile Product Compliance Management components of Agile's SME solution, Agile Advantage 2006. Agile Product Record Management provides Ag Leader Technology visibility, management and collaboration for new and changing product record information across the product record and extended supply chain. With Agile Product Compliance Management, Ag Leader Technology can track for multiple compliance standards and directives, national and international, insuring designs are initially compliant and stay compliant across the product lifecycle.

Ag Leader Technology is also planning to implement Agile Quality Management to drive improved product quality and customer satisfaction by tightly integrating customer, product, quality, and regulatory information within a closed-loop Corrective Action system.

"Agile Advantage provides Ag Leader Technology visibility, management, and collaboration for new and changing product record information across the product network," says Craig Livingston, Agile vice president and general manager of SME solutions. "Ag Leader Technology has seen great success already with Agile Product Record Management and Agile Product Compliance Management and we look forward to continuing to support them while they grow globally and produce quality, innovative products and get them to market faster."

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Agile PLM Accelerates Product Development at Medela AG

12 July 2007

[Medela AG](#), Baar/Swiss, has deployed [Agile](#) PLM from Agile Software Corporation in order to optimize their product development processes and speed up the development of new and innovative products. With the Agile PLM software, the international manufacturer of medical equipment intends to supply easily accessible, uniform product information to all development locations.

Medela AG specializes in the development and sale of high-quality medical equipment and products for breastfeeding, the treatment of jaundice and medical suction technology.

"Our development department will primarily use Agile's PLM solution to process all design documents from the development phase to production release. The data will then be switched over to the ERP system," explains Patrik Bosshard, Medela vice president of operations. "Our technical product support department will then refer to this data in case changes occur during the production phase. With the multitude of products that we offer, the flow of product information is continually growing. Thanks to the introduction of the Agile PLM solution at our headquarters, we have succeeded in optimizing processes so that we have been able to launch products on the market faster."

The decision to purchase Agile's PLM solution was preceded by an intensive evaluation of various systems and suppliers. During the evaluation process, it was determined that Agile offered the best PLM solution for this medium-sized medical device manufacturer. A considerable deciding factor was the comprehensive list of references with similar requirements that Agile provided.

The Agile PLM solution optimizes the development flow due to the improved data availability and the linking of items, parts lists and documents. All product record information that arises during planning, design, production, sales and further development is clearly available. This makes it possible to smoothly connect the design phase with the subsequent product cycle. For Medela AG, this will mean improved efficiency in production as well as cost reductions and time gains for administration. The Agile PLM solution is currently deployed at the company's headquarters in Baar, Switzerland, and they expect to expand their deployment to provide product data information to their U.S. subsidiary.

"Agile has a long history of providing PLM solutions to medical device manufacturers," said James Aufdemberge, senior vice president, European field operations. "We are pleased that Medela, a leader in medical device equipment, is already seeing improvements in its product development processes with the Agile solution. We look forward to continuing our work together."

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Airflow Simulation Ensures +/- 1° F Temperature Range in Pharmaceutical Warehouse Preserving Life-Saving Drugs

July 2007

Flomerics' consultants used their Flovent software to evaluate design alternatives which helped Eichleay Engineers Inc. of California design an air handling system that keeps temperatures in a pharmaceutical warehouse within +/- 1° F. Flomerics' consultants evaluated design alternatives and identified a fan configuration that met the pharmaceutical company's requirements for both temperature variation and air velocity. "The HVAC system has been in operation for over a year and the temperatures in the warehouse have never been outside the customer's specified range," said Michael Simpson, Mechanical Engineer for Eichleay Engineers.

A pharmaceutical warehouse contains 49,200 square feet of warehouse storage space and has a roof height that varies from 25 to 28 feet. In order to maximize the life of the product stored in the facility the client established a requirement that the temperature throughout the entire interior space be held between 67° F and 74° F and at less than 50% relative humidity. "We began the project by using standard computer calculations to design an HVAC system that was capable of keeping the temperature in the building at the required level," Simpson said. "This system could get us to the right average temperature but left us with very little safety margin."

"We called the two leading software companies in the HVAC CFD industry. We knew that they both offered people with extensive experience in air flow simulation modeling. One of the companies told us that we would have to wait several weeks before they could even take a look at our problem. On the other hand, Flomerics told us they would be there the next day to give us an estimate and get started on our project." Flomerics' consultant Chris Wark simulated the existing building and several alternatives using different types of fans. He found that the addition of 50 Airius destratification fans reduced the temperature variation within the building to a +/- 1° F level.

The building's HVAC control system was designed to issue an alert to plant operating personnel whenever temperatures in the space fall outside a +/- 3.5 ° F limit from setpoint. "The new HVAC system has been up and running for about 18 months and since then, the temperature alarms have not shown any excursions," Simpson said. "Most importantly, the customer is extremely pleased that the building has met their requirements." For more information, visit Flomerics' Web site at <http://www.flovent.com>

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Bauhaus Luftfahrt Opts for Pacelab Design Software

23 May 2007

Bauhaus Luftfahrt has purchased preliminary design software Pacelab Suite to support the development of its futuristic aircraft concepts. Launch project is the hybrid aircraft "HyLiner", an ultra-quiet, low-emission mid-range aircraft with extremely short take-off capabilities.

In the context of aircraft design, 'hybrid' refers to a combination of individual technologies into an ideal whole. Pacelab Suite, the flagship product of knowledge-based engineering software producer PACE, provides Bauhaus Luftfahrt with a software platform capable of integrating multiple disciplines including flight dynamics, propulsion, steering and materials. Bauhaus Luftfahrt will develop a dedicated system for preliminary aircraft design on the basis of the Pacelab Suite platform which fully leverages engineering knowledge and ingenuity.

"Our stated aim is to develop new ideas and concepts for the future of aviation that stand out by their high level of technical creativity. Pacelab Suite enables us to rapidly explore a large number of design variations, which greatly encourages looking in all directions and leaving the beaten track to search for innovative solutions", says Prof. Klaus Broichhausen, chairman of Bauhaus Luftfahrt. "The software's outstanding flexibility and its proven record with our industrial partner Airbus made Pacelab Suite the obvious choice."

In the long run, Bauhaus Luftfahrt and PACE plan to move beyond the buyer-seller relationship to form a partnership for developing advanced methodology and technology in aircraft design. Oliver Kranz, PACE Managing Partner, comments: "We are very happy to work with Bauhaus Luftfahrt – as entrepreneurs, because Bauhaus Luftfahrt, with its impressive network of aerospace associates, is a great

commendation for our products; and as engineers, because finding unconventional approaches to solving design problems is exactly what we had in mind when we developed our software suite.”

About Bauhaus Luftfahrt e.V.

Based in Garching near Munich, Bauhaus Luftfahrt (Aviation Bauhaus) is a non-profit organization created to serve a systems-integrator function and to forge deeper cooperative ties between the aerospace research community and industry. Founding fathers of the think tank include the high tech companies EADS, Liebherr-Aerospace and MTU Aero Engines, as well as the Free State of Bavaria. The name is borrowed from the Bauhaus school of art, design and architecture. More information on Bauhaus Luftfahrt is available at <http://www.bauhaus-luftfahrt.net>.

About PACE:

PACE, with offices in Germany, France, and the U.S., develops knowledge-based engineering software aimed at accelerating complex engineering processes. By providing intelligent information technology, PACE helps its customers to increase their productivity and competitiveness. The company has more than 50 employees and is managed by founders Michael Kokorniak, Dr. Oliver Kranz und Alexander Schneegans. More information on PACE is available at <http://www.pacelab.com/>.

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Cadence Design Systems Achieves Competitive Product Development Advantage With Accept 360

10 July 2007

[Accept Software Corporation](#)TM announced that Cadence Design Systems, Inc. has successfully used Accept 360 to standardize and improve their product design and development process across their product portfolio. Using Accept 360, the company has been able to blend disparate product development processes, partly the result of recent acquisitions, and create one unified process and a single centralized repository of product requirements and lifecycle information. Accept 360 is at the heart of a process that has enabled Cadence to better address customer needs and to stay ahead in the highly competitive EDA marketplace.

“At Cadence, we manage a very complex portfolio of software products in the support of a very demanding and ever-changing market,” said Peter Connor, Operations Group Director at Cadence. “Managing requirements across a diverse set of applications developed both in house and acquired, each with a slightly different development model has been challenging. With Accept 360 we now have a single view into all aspects of product creation, and are driving requirements across the product line in support of our strategy.”

Key benefits Cadence has achieved include:

- Implementation of a standard product planning process, thereby unifying disparate development models introduced through continuous acquisitions
- Improved visibility for product managers and executives with which to prioritize and manage complex requirements and interdependencies across a diverse set of products
- Better alignment of product requirements and underlying granular features with strategic product initiatives and customer needs
- Greater product team efficiency as a result of capturing all product requirements, initiatives,

competitive data and market intelligence in one centralized repository that can be accessed easily by all participants across product lines and throughout the product development cycle

“Cadence Design Systems is a great example of the growing number of companies leveraging Accept 360 to streamline and standardize product planning to drive competitive advantage,” said Bryan Plug, president and CEO, Accept Software. “These companies are realizing that staying ahead of the pack and delivering more innovative, market-aligned products goes beyond simply managing requirements. It takes a holistic view that combines the voice-of-the-market, the richest source of ideas and requirements for new products and enhancements, combined with analytical product planning capabilities that help translate strategies into actionable plans.”

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Capelli New York Implements Soft Solutions’ Master Data Management (MDM) Solution

9 July 2007

Capelli New York has acquired Soft Solutions’ Master Data Management (MDM) solution, ibs **REFERENTIAL**, to manage its global corporate master data. After a rigorous 12-month selection process, ibs **REFERENTIAL** was chosen to by Capelli New York to address the MDM requirements for the Product Lifecycle Management (PLM), from style creation to supplying its products to their retailer clients. This project enables [Soft Solutions](#), to establish its position in the supplier/manufacturing market and more specifically the apparel sector.

The [Capelli New York](#) assignment enables Soft Solutions to extend its proven MDM solution, ibs **REFERENTIAL**, to cover the requirements of the Apparel, Footwear and Fashion Accessories supplier/manufacturing industry. The MDM solution will cover all major aspects of Capelli New York’s business including product lifecycle, manufacturing, customer management and human resources. Soft Solutions ibs **REFERENTIAL** multi-dimensional capabilities will provide Capelli New York the ability to share real time business information across the various sites among US, China and Europe.

“The choice of Soft Solutions as a strategic partner to strengthen our business foundation, will allow us to achieve a better data quality while eliminating process redundancies to shorten the product lifecycle,” declares George Altirs, Capelli New York’s chief executive officer. “By taking advantage of our combined experience in the fashion manufacturing and retail industries, we will accelerate the time to market for our products to keep our competitive advantage. A minute will give us a big impact on our bottom line,” adds Altirs.

ibs **REFERENTIAL** is the foremost MDM solution implemented for over 18 years by leading retailers such as Carrefour, CVS, Auchan, Canadian Tire Retail and Group Louis Delhaize.

“Like our current MDM retail clients, Capelli New York understands the strategic nature and the benefits of this project and through the implementation of Soft Solutions’ MDM solution, we are pleased to contribute to the efficiency of its organization and bottom line results while extending our solutions to cover the entire supplier/manufacturing industry after retail,” adds Jean-François Papillon, Director of Operations of Soft Solutions.

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Chevron Uses AVEVA NET Portal on World's Largest FPSO to Manage Critical Information

11 July 2007

AVEVA announced that Chevron have selected AVEVA to provide and implement its AVEVA NET Portal solution to manage critical information for the operation of Agbami, which when completed will be the largest FPSO in the world.

Located 70 miles offshore Nigeria, the Agbami FPSO will produce 250,000 barrels of oil per day. The FPSO will inject water and associated gas for reservoir pressure management. It will also be equipped with the latest environmental protection technology.

When operational, the FPSO will be managed from the Chevron offices in Lekki, Nigeria. The design and engineering work will be coordinated over a number of sites internally in Nigeria, with specialist contractors internationally and with the Agbami FPSO itself. Utilizing AVEVA NET Portal, information is continually updated on the master hub and then synchronized with the replicated data onboard the FPSO which will include P&IDs, the 3D ship/facility model, documents, and other information ensuring that reliable and accurate data is available online at any time during operation.

AVEVA NET Portal is a web-enabled solution for the integration and collaborative use of all engineering information. 3D models, schematics, documents and data from any application can be accessed and navigated in context, with full intelligence, without needing the source application that originally created the data. Based on ISO15926 and XML technology it provides a fully flexible and easy-to-implement solution for the management of engineering data across the lifecycle of a project. AVEVA NET portal reduces the time it takes to find information, increases quality and consistency of data, and makes the information accessible across all stakeholders on a global basis, reducing risks and costs in the design, build and operation of large capital engineering projects.

About Chevron in Nigeria

Chevron has developed programs that foster sustainable development in all facets of the Nigerian society. This includes the development of "Nigerian Content" to encourage the participation of Nigerian service providers and suppliers in the oil and gas industry. Participating in the Agbami Engineering Portal project is a Nigerian Engineering Services company called "Lonadek". Lonadek is the agent for [AVEVA](#) in Nigeria and provides training and support for AVEVA applications sold throughout Nigeria. Lonadek will be responsible for aspects of the delivery of the Agbami Engineering Portal system as well as on-going support after it goes into operation in 2008.

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Cutting Edge Web Services for SAP NetWeaver XI Delivered to Sandvik Coromant by Eurostep

11 July 2007

By applying ISO 13399, users of cutting tools are able to easily import information about the tools they use in their CAM and CAPP systems. Thanks to the attained information integration, ISO 13399 will enable companies to substantially decrease the cost of maintaining cutting tool information in manufacturing companies. Standards for information integration make it possible for companies to easily change and upgrade software systems without loss of information. Thereby the longevity and usability of data are secured, which in turn enhances quality and saves money when a PLM system is deployed.

Customer demand for rapid and efficient exchange of information, stemming from needs such as integration of tool design and manufacturing systems, has driven the development of ISO 13399 – a new standard for cutting tool data representation and exchange. The technical work with ISO 13399 was finalised during 2006 and the final parts are being published in 2007. The development of the standard was led by Sandvik Coromant and carried out in close cooperation with Kennametal and the Royal Institute of Technology (KTH) in Stockholm.

The pilot that Eurostep has successfully delivered to Sandvik Coromant demonstrates how Web Services based on the ISO 13399 standard enables communication using SAP XI in order to create information in SAP R/3 that corresponds to the semantics of ISO 13399. These Web Services also retrieve information from SAP R/3 and create ISO 13399 files based on that information.

K-G Wiklander, Senior Project Manager at Sandvik Coromant, says: “We are very pleased to see that the efforts we’ve put into developing the standard are now paying off. The Web Service integration will enable us to seamlessly deliver data to our customers and internal systems from our PLM system”.

“This project demonstrates the power of using information integration standards like ISO 13399, ISO 13584 and of course the value of the generic concepts behind STEP and PLCS. We are very pleased to be part of the ongoing work with empowering the end user by putting focus on their product data,” says Gordon Ishammar, Director of Sales Eurostep AB. “The project was conducted with Acando as subcontractor to Eurostep, and we look forward to continue our fruitful cooperation in the future,” ends Mr. Ishammar.

The pilot has defined a set of Web Services based on the ISO 13399 EXPRESS schema. It uses the same basic architecture as the PLCS PLM Web Services, currently being standardized by OASIS. The pilot implementation allows for a dynamic update between the reference data and the classes and characteristics in SAP R/3.

The reference data server was implemented in Microsoft .NET and interfaces the P-Lib data using the ISO 13399 API that Eurostep developed during a previous project for Sandvik Coromant.

About Eurostep

Eurostep delivers software and consulting services for product life-cycle management with a particular focus on the exchange and sharing of data within and between enterprises. Services range from pre-studies to the implementation of customized systems. The flagship product, Share-A-space™, (<http://www.share-a-space.com/>), is a software that supports collaborative engineering across the life cycle of products. Eurostep has subsidiaries in Sweden, the UK, Finland, France and the US and has blue-chip customers in a variety of industries including automotive, aerospace, defence, telecom, building & construction, and process industries.

Eurostep Group has been an international venture from the start in 1994, and all subsidiaries of Eurostep Group have access to the leading edge PLM/PLCS knowledge base in Eurostep Group.

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Dassault Systèmes Supports ELEB’s Efforts to Meet Growing Customer Demands through Streamlined Product Development

10 July 2007

Dassault Systèmes ([DS](#)) announced that Brazilian aerospace company ELEB is expanding its DS

CATIA and ENOVIA SmarTeam implementations to reduce product development time and improve quality. São Paulo-based reseller Tecmes is supporting ELEB's expanded implementation of CATIA and ENOVIA SmarTeam.

The enlarged ENOVIA SmarTeam product data management repository will enable ELEB to share information created in DS's CATIA 3D design authoring solution without toggling through multiple systems to find the correct files or current versions. In addition to the expanded ENOVIA SmarTeam implementation, additional CATIA seats will allow ELEB to accommodate a steadily growing stream of business from aerospace companies in Latin America, North America, Europe and Asia.

"As our business grows, we must be able to respond quickly to our customers' demands because they are also under market pressure to roll out new products quickly," said Roberto Paiva, ELEB's strategic planning manager. "Having all of our CATIA product data in a single, universally accessible ENOVIA SmarTeam repository will give us the agility we need across all of our departments to meet their needs."

ELEB supplies landing gear systems and other critical components to aerospace companies in the US, Europe, Asia and Brazil. Its largest customer is Brazilian aerospace giant Embraer, the world's third-largest commercial airplane maker.

"Market demands for speed, quality and agility are reaching all the way down the supply chain to small and medium-sized businesses, such as ELEB," said Marcelo Lemos, general manager, Latin America, Dassault Systèmes. "CATIA and ENOVIA SmarTeam offer them the right-sized PLM solution to meet their customers' needs without burdening them with unnecessary cost and complexity."

About ELEB

ELEB - Embraer Liebherr Equipamentos do Brasil S.A. was established in 1999 as a joint-venture between Embraer – Empresa Brasileira de Aeronáutica S.A. – and the Swiss-based Liebherr Group. Its history dates back to 1984, as an equipment design and manufacturing division of Embraer, called EDE (Embraer Divisão de Equipamentos). The central concern of ELEB is to achieve customer satisfaction by offering solutions through aerospace high-technology products and services to a market that extends from landing gear systems to hydraulic and mechanical equipment. The company also offers maintenance, repair and overhaul (MRO) services at a modern center certified by the Brazilian, U.S. and European aeronautical authorities - ANAC, FAA and EASA, respectively - complemented by a network of authorized customer support facilities worldwide. In the year ended on December 31, 2006, ELEB had 665 employees and registered revenues of US\$ 65.5 million. The company is continuously investing in new technologies to expand its business and gain a greater share of the international market.

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Ikanos Communications Chooses Cadence Incisive Palladium Series

9 July 2007

[Cadence Design Systems, Inc.](#) announced that Ikanos Communications, Inc. has adopted the Cadence® Incisive® Palladium® series of accelerator/emulators for its advanced system-level verification needs. Ikanos Communications develops chipsets that enable carriers to offer Fiber Fast™ bandwidth and high-speed networking processing for enhanced trip play solutions.

"As a leading global provider of high performance silicon for interactive broadband, Ikanos needs advanced development and debug tools that shorten our time to market. We evaluated several system validation solutions and selected Cadence emulation technology for its robust and full-featured debug

environment," said Dean Westman, vice president and general manager for Ikanos' Gateway Products Group. "We used Palladium to verify our most recently developed advanced multiple processor product. Cadence's emulation technology helped us reduce our time to market."

The Palladium series of accelerator/emulators provides the industry's highest throughput for verification and validation of complex hardware, software, and full systems in the wireless, graphics, networking, and consumer markets. In emulation mode or when regression testing with an embedded testbench the system delivers up to 10,000 times greater performance than the average simulator, while incorporating peripherals, embedded processors, multiple ASICs, embedded software, and real-world data. The system delivers superior debug, system-wide management and advanced verification-automation features that can bring up a new design to emulation in less than a week. The Palladium system incorporates powerful enterprise-wide multi-site usage capabilities, hardware/software verification, ease of bring-up and integration and a plug-and-play SpeedBridge portfolio.

"We continue to focus on delivering solutions that shrink time to market for our customers," said Steve Glaser, corporate vice president, Marketing, Verification Division at Cadence. "We are pleased to see increasing demand from industry leaders such as Ikanos for emulation systems like the Palladium series to address their enterprise-wide hardware and software verification and system-validation needs."

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JP Kenny Simulates Realistic Performance of Offshore Pipelines With SIMULIA Solutions from Dassault Systèmes

10 July 2007

Dassault Systèmes ([DS](#)) announced that [JP Kenny](#), one of the world's largest independent pipeline and subsea engineering organizations, has adopted Abaqus Unified Finite Element Analysis (FEA) software, from Dassault Systèmes' [SIMULIA](#) brand, to improve design and installation operations in several of its major Western Australian gas field projects.

"To make the undersea infrastructure more secure, we have used Abaqus FEA software to plan for major event scenarios, including the impact of cyclones on pipeline dynamics," said Gordon Cowper, pipeline business leader for JP Kenny, Perth, Australia. "Abaqus has reduced simulation times and improved the efficiency and accuracy of pipeline design and route mapping."

"Abaqus FEA software has a long history of successful use in the energy, petrochemical and offshore exploration industries," stated Ken Short, vice president strategy and marketing, SIMULIA, Dassault Systèmes. "We continuously develop new and better technology for our customers, such as JP Kenny, to address the challenging engineering problems associated with increasingly harsh operating environments, making the extraction, transportation, and storage of their energy assets more cost-effective, safer and environmentally responsible."

Energy companies face large investments in pipeline materials and installation. As they expand their exploration into new regions to find, produce and conserve energy resources, the use of Abaqus FEA technology from SIMULIA provides faster and more reliable engineering insight into design, installation and operational scenarios. This helps ensure that pipelines and other offshore systems continue to function correctly throughout their working life with maximum return on investment and minimum environmental impact.

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Liebherr Opts for CoCreate's PLM Solution

10 July 2007

CoCreate Software GmbH announced that several Liebherr departments have purchased CoCreate's data management software, OneSpace Model Manager.

Liebherr, one of the largest manufacturers of construction machinery, already uses CoCreate's 3D CAD tool, CoCreate OneSpace Modeling, in its crane, mixing technology, domestic appliance and machine tool divisions. With 300 seats of the 3D CAD software, Liebherr Group is now deploying an equal number of CoCreate's data management solution.

Liebherr selected OneSpace Model Manager for its impressive performance with very large assemblies. OneSpace Model Manager allows Liebherr designers to load and store their design data, regardless of its size. Plus, OneSpace Model Manager preserves system resources by supporting lightweight models and partial load, so that designers load only what they need when they need it.

OneSpace Model Manager ensures that designs don't become lost, overwritten or isolated from the team.

"With OneSpace Model Manager the engineers at Liebherr always know when design changes might impact the work of others," said William M. Gascoigne, [CoCreate](#) CEO. "That's mandatory business practice for any company developing high-tech and complex machinery."

CoCreate's 3rd generation PLM supports a modular approach. That is, a company can develop a complete product development and lifecycle management environment by tying together existing technologies and adding only what they need as they need it. For example, Liebherr cranes and mixing technology divisions are currently restructuring their IT environments to include the latest Webservice and Java technologies so they can tightly integrate ERP into their design process.

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Marèse Chooses Lectra's PLM Solution to Accelerate Collections Development and Time-To-Market

5 July 2007

[Lectra](#) has announced that Marèse has chosen Lectra's PLM offering for the fashion industry. Lectra Fashion PLM will allow Marèse, a French specialist in children's wear design and retailing, to accelerate the development of its collections, in particular by assuring constantly updated information that can be shared at all times.

Marèse will benefit from the integration and complementary nature of Lectra's business applications and its management and organizational tools. Lectra's pattern-making (Modaris) and marker making (Diamino) software, currently used by Marèse, will be associated with the new Workflow Management and Product Development applications and Kaledo, Lectra's new design offering.

Marèse chooses Lectra to accompany its growth

Founded 60 years ago, [Marèse](#) is now a reference in ready-to-wear clothing for children ages 0-to-12, with the brands Marèse, Repetto and Ooxoo. A product team including 15 product managers, designers, graphic designers and pattern makers creates and develops 1,300 new products per year. Manufacturing is mainly subcontracted to Asia and North Africa.

The company's goal is to accelerate collections development, set up a fast prototyping process and expand its direct and indirect distribution network.

Sharing a single version of information at all times

"Our company is already very well organized and now we're focusing our efforts on development speed, creativity and the quality of our garments," said Marèse CEO, Olivier Doolaege. "Investing in advanced technology allows us to remain competitive and to satisfy our consumers."

"We chose Lectra's technology in order to improve all of our development processes," he continued. "All of our planning is currently managed with a traditional spreadsheet, which creates problems for updating information and making it available to all the teams involved in development."

The Product Development application will help Marèse to centralize and share all product-related information throughout the development process. The company will also have access to this information for monitoring its margins closely and elaborating its sales analyses.

The Workflow Management application will allow Marèse to pilot all of its collections management processes and accurately monitor a product's state of progress in each phase.

Liberating the creativity of design teams

This value chain is completed by the implementation of Kaledo Collection and Kaledo Print.

The new range of Kaledo applications, including Kaledo Collection for fashion design and Kaledo Print for designing printed textiles, provides designers with a visual and virtual environment adapted to their creativity and working mode. The automation of many repetitive tasks lets designers use the precious time saved to test many more creative ideas.

Kaledo Collection also makes it possible to structure the creation process and thus facilitate information exchange between the creative teams and their contacts. Design is integrated very early in the collections development process, since information is immediately usable in Lectra's PLM applications.

"We're very pleased to have strengthened our partnership with Marèse," said Bernard Karmin, Director of Lectra France. "The whole company will benefit from the value chain that our complete solution offers. Taken individually, our solutions already provide immediate gains; and when they are used together, the results are even more impressive."

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Merrimack Pharmaceuticals Reduces Drug Discovery Time with SimBiology

9 July 2007

[The MathWorks](#)[™] announced that [Merrimack Pharmaceuticals](#) is using [SimBiology](#)[®] to streamline the research and development of therapeutics to treat autoimmune disease and cancer.

SimBiology plays an integral role in Merrimack's discovery platform, [Network Biology](#), which is multidisciplinary, integrating computational tools from engineering and high throughput biology to rationally guide drug design and development. By using SimBiology, Merrimack has further improved collaboration across the various components of the drug development process, enabled better analysis and simulation of drug candidates, and may significantly reduce the time required for drug discovery and development.

Network Biology seeks to understand the system dynamics that govern protein networks - the functional set of proteins that regulate cellular decisions. SimBiology, the industry's first graphical systems biology tool, is an essential piece of the modeling technology in Network Biology. It is used by Merrimack

researchers to simulate, model, and analyze the biochemical pathways in cancer and other diseases, enabling researchers to make more informed decisions throughout the entire drug discovery, development, and commercialization process.

“In order to compete in an industry dominated by large pharmaceutical companies with larger research efforts, we’ve adopted a unique approach to drug discovery that incorporates the principles of Model-Based Design,” said Birgit Schoeberl, director of Network Biology at Merrimack Pharmaceuticals. “SimBiology and other MathWorks tools have been instrumental in giving us the competitive edge we need, delivering a combination of powerful mathematics and an easy-to-use graphical interface that makes it easy to create and share models of pathways with other teams throughout each stage of research and development.”

“The MathWorks tools have increased the speed with which we can identify drug candidates,” continued Schoeberl. “For example, a group of six researchers were able to create seven candidates in less than three years with SimBiology. That would’ve taken a lot more time without using modeling or by using multiple tools from other companies, and it would have required that we learn three or four different software packages.”

Researchers can also use SimBiology to simulate the pathway and the systems reaction to inhibitors. Once the best inhibitor is identified, Merrimack’s computational biologists and researchers work in combination to produce drug candidates for preclinical testing. In addition to SimBiology, Merrimack used the [Bioinformatics Toolbox](#) to identify critical signal transmission pathways.

“The MathWorks is committed to providing powerful and easy-to-use tools to help innovative companies like Merrimack improve the speed and quality of their research efforts,” said Kristen Zannella, marketing manager for biotech, pharmaceutical, and medical at The MathWorks. “In particular, the rapidly growing field of systems biology, in which Merrimack is an innovator, is fraught with complexity that must be mitigated with technology such as SimBiology, which combines a drag-and-drop interface with the proven mathematical capabilities of [MATLAB](#)[®]. We look forward to working with Merrimack as they continue to broaden their use of SimBiology and other MathWorks tools, which will help them introduce even greater time and cost savings into their drug development process.”

Currently, MathWorks tools are being used solely by the computational modelers. However, over the next year, use of MathWorks tools such as MATLAB and SimBiology will be expanded to Merrimack’s experimentalists.

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Norwegian Air Force and Navy Upgrade Their IFS Solutions

9 July 2007

The Norwegian Defence Logistics Organisation (NDLO) has entered into an agreement with IFS to upgrade its existing maintenance and logistics solutions for the air force and navy to IFS Applications 7. The agreement has a maximum value of approximately \$8 million.

The Norwegian Armed Forces have been an IFS customer since 1997. IFS has delivered an integrated solution for logistics, maintenance and other functions for aircraft and ships through the IMAS solution to the then Royal Norwegian Air Force Materiel Command in 1998, and the Norwegian Royal Navy Materiel Command in 2000.

The upgraded IFS solution that is to be delivered to the NDLO will include an interface to the SAP solution that is being delivered to the Norwegian Armed Forces.

"The armed forces' most complex materiel plays a crucial role in many operations, at home and abroad, and we are dependent on consistently efficient IT support. We have a positive experience of the solution from [IFS](#) and look forward to upgrading to IFS Applications 7," said Harald Bye, head of the information department at the NDLO.

"We have collaborated well with the Norwegian Armed Forces for many years, and we are very happy that they have chosen to upgrade their applications," said Glenn Arnesen, managing director of IFS Scandinavia.

Aerospace and defense is one of IFS' targeted market segments. IFS Applications includes advanced standard functionality that meets the demanding requirements of the aerospace and defense industries in respect of maintenance and materiel availability. IFS' integrated solution for product data management (PDM), fleet management, and project management, combined with the other components in IFS Applications, make it easier to operate while managing design, manufacturing and ongoing spare parts logistics throughout the product lifecycle.

IFS customers include the US, British and Norwegian defense organizations. Commercial MRO shops and operators include Finnair, Bristow Helicopters, Aero- Dienst GmbH, Hawker Pacific, and Jet Turbine Services. In addition, IFS provides solutions to original equipment manufacturers (OEMs) in the global defense industry such as General Dynamics, Lockheed Martin, the Eurofighter consortium, BAE SYSTEMS, Saab, and GE Transportation.

About the Norwegian Defence Logistics Organisation (NDLO)

The Norwegian Defence Logistics Organisation (NDLO) is responsible for all materiel in the Norwegian Armed Forces, from procurement to decommissioning. It also provides a broad spectrum of services from personnel and freight transport to advanced data processing to technology consulting.

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PCMC Cuts Paper Machine Development Time, Enhances Global Collaboration With PDMWorks Enterprise

9 July 2007

Paper Converting Machine Company (PCMC) is using SolidWorks® 3D CAD, COSMOS® design analysis, and PDMWorks® Enterprise product data management (PDM) software to help ensure customers such as Kimberly-Clark and Procter & Gamble continue to make the tissue paper and other paper products consumers around the world depend on.

With thousands of new and decades-old machines in operation globally, PCMC is one of the largest manufacturers of machines that make, finish, and package a variety of paper products. Its machines can produce nearly 1.4 million rolls of toilet paper per day and generate almost 2.4 million feet of paper towels per day. Having standardized on SolidWorks, COSMOSWorks®, and COSMOSMotion™ software for all new product design and analysis since 1999, the Green Bay, Wis. company has purchased a 200-seat license of PDMWorks Enterprise to manage its CAD data while collaborating with engineering teams in Europe, Brazil, and Japan. PDMWorks Enterprise helps the company streamline product development, reduce errors, and minimize costs.

“One of the biggest mistakes a company can make is to not have a dependable PDM tool when designing products in 3D,” said Thad Perkins, Director of Mechanical Engineering at PCMC. “The amount of data you’re generating with parametrics, including the relationships between assemblies and parts, is exponentially higher than with 2D. PDMWorks Enterprise will help us securely manage several hundred thousand 2D and 3D designs. That’s crucial, whether we’re working on a new project or retrofitting a 60-year-old machine.”

After evaluating four PDM products, PCMC purchased PDMWorks Enterprise because the software’s intuitive user interface accelerates training, and the dependable version control and concurrent design let engineers on different continents work on the same design without creating errors. This concurrent design accelerates development while minimizing re-work. The software’s stability and integration with [SolidWorks](#) will ensure users don’t wrestle with data loss or waste time hopping between different application windows.

PCMC will integrate PDMWorks Enterprise with its enterprise resource planning (ERP) system to enable engineers to create one up-to-date bill of materials (BOM) for each project. Engineers will create the BOM in SolidWorks, manage it in PDMWorks Enterprise, and make it accessible to the ERP, where, in the future, PCMC will be able to automatically cost out each project based on the BOM. PCMC previously managed separate BOMs in its CAD and ERP systems, which can introduce errors and delay development and delivery.

“Global design collaboration demands efficient, secure management of product data,” said Rainer Gawlick, SolidWorks vice president of worldwide marketing. “PCMC has an industry reputation for precision machine design, and SolidWorks and PDMWorks Enterprise will help the company maintain that reputation as it continues to design better products for the industry.”

[PCMC](#) works with authorized SolidWorks reseller [FISHER/UNITECH](#) for ongoing software training, implementation, and support.



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Sequence CoolProducts Chosen By Tektronix For Power Signoff

10 July 2007

Tektronix, Inc. recently reviewed their power design and analysis needs and chose Sequence Design’s CoolProducts for their accuracy, versatility, and outstanding support. Sequence’s CoolProducts family – CoolTime, CoolPower, and CoolCheck – added key functionality to their design flow and reduced design closure times by preventing time-consuming iterations between separate timing, SI, power analysis and optimization tools.

“[Sequence](#) really showed us a technically superior solution,” said David McKinney, Tektronix engineering manager, CMOS ASICs. “Their CoolProducts bring us a completely integrated, back-end power management flow with outstanding analysis and optimization capabilities.” McKinney said these tools will be used in the design of all future Tektronix ASICs – including their newest ones on a 90nm manufacturing process.

McKinney said the Sequence products fit well within their existing flow and will serve as a “power signoff” on all future [Tektronix](#) designs. CoolProducts’ ability to automate complex low-power design techniques to control such critical issues as dynamic voltage drop and leakage power were also major selling points.

Equally valuable is post-sales support: “Many of our designs utilize special Tektronix cells,” McKinney said. “What really impressed us was Sequence’s willingness and ability to enhance its software to handle these cells so we could get maximum utility from the tools. It’s just one example of the high level of support we enjoy as a Sequence customer.”

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Techshot Deploys SpaceClaim to Boost Productivity and Innovation

11 July 2007

[Techshot](#), an engineering and product development company based in Greenville, Indiana, has deployed SpaceClaim Professional 2007 to boost its engineers’ productivity and to fully capture innovative ideas in 3D. As Professional Innovators whose ideas have flown on seven NASA space shuttle missions, Techshot’s engineers require a powerful and flexible 3D modeling tool. SpaceClaim’s dynamic modeling allows them to exercise their design models in unanticipated directions and quickly explore multiple design alternatives.

The full Techshot case study is available at <http://www.spaceclaim.com/success.aspx>

“We work in a multi-disciplinary environment, where we all need to do a little bit of everything,” Techshot’s Nathan Thomas, explains. “So, although I’m an electrical engineer, I often need to do some mechanical design as well, particularly in the early stages of a design.”

As in so many other product development firms, the benefits of 3D modeling had been limited to Techshot’s mechanical designers who are dedicated CAD specialists. Before using SpaceClaim, Thomas had never used a 3D modeling system for his conceptual designs, which meant that he relied on others to help formulate his ideas. This limited his design productivity by making “on-the-fly” changes difficult and hampered his communication with the rest of Techshot’s product development team.

With SpaceClaim, Thomas is successfully using SpaceClaim to model his own designs. He recently used SpaceClaim to create a complex bracket to mount connectors inside a new proprietary device for a highly competitive industry. The bracket required both machining and bending to fabricate, so the modeling task was fairly complicated.

“I was pleasantly surprised at how easy it was to use SpaceClaim,” reports Thomas. “Its dynamic modeling capabilities make it simple to create and modify part geometry and its user interface is well-designed, making the software very intuitive. In fact, the amount of time it took me to model the part was less than the time it took me to actually measure the product it was going into!”

“[SpaceClaim](#) saved us both time and money, eliminating the inefficiency of a manual conceptual design process and the redundancy of having our CAD operators recreate my design,” concludes Thomas.

“SpaceClaim exceeded my expectations. Now I can quickly and easily model my own designs. I don’t have to be a CAD operator; instead I can be a designer.”

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Teradici Corporation Selects Synopsys to Help Deliver Breakthrough PC-Over-IP Technology

9 July 2007

Synopsys, Inc. announced that Teradici Corp. has achieved first-time silicon success utilizing Synopsys’ Galaxy™ Design Platform products, Discovery™ Verification Platform products, DesignWare® silicon

intellectual property (IP) and Synopsys Professional Services on their first multi-million-gate system-on-chip (SoC). This PC-over-IP™ SoC technology spans the enterprise network, delivering breakthrough innovation in computer display compression to emulate a true personal computer (PC) experience over internet protocol networks. Synopsys was able to help Teradici deliver the complex SoC quickly, within the tight market window, and achieve silicon success.

"We received first samples in early December, and immediately had critical high-speed interconnect IP and processor cores running successfully. Within another week, our most complex logic was fully operational," said Maher Fahmi, vice president of Silicon Engineering at Teradici. "With the help of Synopsys' industry-leading tools, IP and design services, Teradici was able to achieve first-silicon success."

[Synopsys'](#) consultants worked cooperatively with Teradici's engineers using tools from Synopsys' Galaxy Design Platform and Discovery Verification Platform, as well as DesignWare silicon IP including PCI Express and USB 2.0 digital controllers and PHY IPs. Teradici adopted Synopsys' Pilot Design Environment for complete IP integration and RTL-to-GDSII physical design assistance through tapeout.

For Teradici, a critical component in selecting a vendor was selecting the right IP. Synopsys provided Teradici with the industry's lowest-power, smallest-footprint PCI Express endpoint controller and PHY IP. In addition, Synopsys was the only company offering a native 4-port USB 2.0 PHY IP in the required target process, an integrated solution that saved both chip area and power consumption. Then, Synopsys' expert design services consultants assisted with the physical design implementation and provided Teradici post-silicon validation in just two weeks.

"Innovative start-ups like Teradici are able to entrust their critical 'go to market' products with Synopsys' tools, IP and design services," said John Koeter, senior director of marketing for IP and services at Synopsys. "As validated by Teradici's milestone achievement, Synopsys offers a total solution to help customers achieve predictable success."

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Valor and Freedom CAD Amplify Partnership

11 July 2007

[Valor Computerized Systems Ltd](#) announced a new agreement with Freedom CAD Services to implement additional Enterprise 3000 Design for Manufacturability (DFM) verification software into its high end PCB service bureau. Under this new marketing and technology deal, Valor will increase its support to its long-standing Certified Design Partner to assure a swift, flawless transition from PCB design to fabrication that ultimately shortens time-to-market and reduces end-customer costs.

Commenting on Freedom CAD's continued commitment to Valor's suite of quality management solutions, Pat McGoff, VP Design Market at Valor, said that he is delighted to have FreedomCad, a premier service bureau, as a Certified Design Partner to Valor. "Enterprise 3000 enables FreedomCAD to perform hundreds of DFM checks on every design. With the increased capacity to evaluate designs against the capabilities of the printed circuit board fabricators, Freedom CAD can dramatically reduce the number of revision spins it takes to get their customer's products to market. Collaborative design analysis software gives both our partners and their end customers a significant competitive edge over other players in the industry."

Lou Primmer, President and Co-Founder of Freedom CAD, added: "Because of our familiarity with the tool, we are able to optimize its efficiency and save our customers time and money!" This new deal comes as a response to FreedomCAD's growing expansion throughout North America and the international theater.

About Freedom CAD Services

[Freedom CAD Services, Inc.](#) specializes in the design of high speed, high performance, rule driven PCB's where precision is required. Freedom CAD is headquartered in Nashua, NH and has satellite design centers in California, Pennsylvania, Alabama, Kentucky, North Carolina, Texas in the US and Ottawa, Calgary and Vancouver in Canada.

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Product News

Anark Corporation Releases a New Breed of CAD Transformation System with the Anark Core™ Platform

12 July 2007

Anark Corporation announced the launch of the Anark Core™ Platform, a software platform for the rapid transformation and distribution of use-appropriate CAD data throughout the enterprise supply chain and support organizations.

Unlike traditional CAD authoring tools and translation products, Core's sophisticated automation system empowers users with a highly efficient, easily repeatable process for transforming and delivering IP-protected CAD geometry. This is performed through Core's 'recipe' based transformation process that allows users to reapply a set of user-defined transformation operations, thereby eliminating the need to manually rework product data as it evolves or as requirements change.

Anark Core's advanced CAD transformation capabilities permit users to produce both high-precision (B-reps) and lightweight (mesh) product geometry for use in a variety of upstream and downstream applications including:

- OEM-Supplier Data Exchange
- Product Aftermarket Support
- Technical Publications & Interactive Catalogs
- Product Visualization & Training
- Sales & Marketing Communication

"Repurposing our CAD geometry for use in real-time 3D training applications is very expensive and time consuming, and the risk of exposing our IP when sharing product design data is high," said John Reasoner, Principle Multimedia Engineer for Simulation and Training Solutions at Rockwell Collins. "The Anark Core Platform solves both problems, enabling us to quickly transform our CAD data into the useful lightweight form we need, and making the removal of sensitive product design elements easy and straightforward."

Anark Core Platform consists of two main components that can be configured to match organizational

needs:

Anark Core Workstation is a powerful, easy-to-use authoring tool that allows users to cost-effectively produce transformed, use-appropriate CAD geometry for supply chain and support applications throughout the enterprise. Serving as the foundation of the Anark Core Platform, Core Workstation provides users the ability to import CAD data, identify parts, instances, assemblies, and geometry features, and then modify or remove them as necessary. Core Workstation supports common proprietary and open-standard CAD geometry formats, as well as lightweight geometry formats for downstream visual and 3D publishing applications.

Anark Core Server is a scalable server system for high volume, repeated applications. It allows manufacturers to automate the cost-effective transformation and delivery of use-appropriate CAD geometry throughout the enterprise, supply chain and support organizations. Core Server automates the transformation process based on "recipes" created with Core Workstation and maintains coherency between managed CAD repositories--even under constant product geometry revision. Core Server is designed to serve the needs of large manufacturing enterprises by providing a modern, service-oriented architecture (SOA) that allows straightforward integration with PDM, ERP, and other enterprise software systems.

"Anark has spent years helping leading manufacturers repurpose their CAD data into appropriate forms for a wide array of business and visual applications," commented Scott Collins, Anark's Senior Vice President of Product Development. "This in-depth experience with our customers' needs, technical hurdles, and pain points helped us design and build a highly functional product line that makes transforming CAD geometry easy and economical."

Additional information about the Anark Core Platform can be found at <http://www.anark.com/> or by contacting an Anark representative at solutions@anark.com.

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Ansoft Releases SIwave v3.5; Latest Release Adds New Features for Power Rail Extraction in Low-Voltage/High-Current PCB and Package Designs

10 July 2007

Ansoft Corporation released SIwave™ v3.5, a full-wave electromagnetic field simulator optimized for signal-integrity, power-integrity, and electromagnetic interference (EMI) analysis of high-speed printed circuit boards (PCBs) and complex integrated circuit (IC) packages.

The new release features a fast and efficient finite-element-based DC solver optimized for extraction of power rail geometry in complex low-voltage/high-current PCB and package designs. Engineers can view voltage and current distributions in all relevant geometry including vias and bond wires. In addition, users have access to voltage drop and current flow information through all layout elements (vias, bond wires, sources, resistors, inductors, etc.) in tabular format, allowing engineers to quickly identify design rule violations. SIwave v3.5, leveraging Ansoft's adaptive mesh refinement technology, allows users to find layout problems quickly and warns of possible bond wire and via electromigration damage prior to the fabrication of a prototype.

"SIwave is a key technology for enabling the new era of mixed-signal electronics design driven by form-factor, functionality and integration," said Dr. Zoltan Cendes, chairman and chief technology officer of Ansoft. "Extreme integration in wireless handheld devices, for example, creates new challenges for RF

performance, system signal integrity, system-level EMI, low power and communications reliability. SIwave, combined with HFSS™, Nexxim® and DesignerSI™, form a system design platform capable of addressing these challenges.”

SIwave accurately simulates the electromagnetic behavior of complex PCBs and IC packages, including multiple, arbitrarily shaped power and ground layers and any number of vias and signal traces. The resulting full-wave S-, Y- or Z-parameters or GHz-bandwidth circuit model is used in concert with time- and frequency-domain analyses within Nexxim and DesignerSI or third-party SPICE-compatible circuit tools. Engineers use SIwave to extract a model for the complex interactions among traces on the board, the coupled impedances within the IC package and between package pins and the PCB. That model can then be used in a top-level circuit simulation to characterize the nonlinear behavior of an IC, including the package and board parasitics. This chip-package-board co-simulation is critical for reliable integrated electronics system performance.

Highlights of SIwave v3.5

Fast and efficient DC solver (for IR drop verification)

64-bit capability for all solvers

Frequency-dependent source implementation

- Linear interpolation to fit external source datasets
- External sources can have frequency-dependent impedance

Frequency-dependent material model (Djordjević-Sarkar)

Causal trace and via models

Visualization of near E and H fields

Clip Design tool to quickly remove extraneous portions of complex designs

Improved dynamic link between SIwave and HFSS

- Link based on both E- and H-field

Automated frequency spectrum transfer using dynamic link to Nexxim v3.5 and Ansoft Designer v3.5

To learn more, please visit <http://www.ansoft.com/siwave>.

Pricing and Availability

SIwave v3.5 is available on the following operating systems: Microsoft Windows® XP Professional; Windows XP Professional x64 Edition; Windows Server 2003 Standard Edition; Windows Server 2003 Standard x64 Edition; and Red Hat Enterprise Linux® 3 and 4. For pricing information, contact your nearest Ansoft sales office.

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Autodesk Introduces Enhanced Geospatial Solutions to Improve Asset Management

10 July 2007

[Autodesk, Inc.](#) unveiled Autodesk MapGuide Enterprise 2008 and Autodesk Topobase 2008 software products, two advanced geospatial offerings that provide organizations with a platform to share location,

design and enterprise information across departments -- delivering the right information to the right people at the right time. The products help drive innovation, cost-effectiveness and competitive advantage at every stage of infrastructure design, construction and management.

Autodesk MapGuide Enterprise 2008 builds on Autodesk's support for open source software to help public agencies, utilities and telecommunications customers extend the reach and value of geospatial information and knowledge through their organizations and beyond. As a central component of the Autodesk geospatial solution, Autodesk MapGuide Enterprise software utilizes the Internet to deliver important, up-to-date asset and infrastructure information to the people who need it. Additionally, Topobase 2008 -- including a new customized module for the gas industry -- incorporates the latest Autodesk MapGuide Enterprise and AutoCAD Map 3D 2008 software capabilities to help utilities' planning, engineering and operations personnel make better decisions based on a holistic understanding of their infrastructure assets.

"The open source community plays an essential role in Autodesk's commitment to providing geospatial solutions that enable the convergence of data, knowledge and people," said Lisa Campbell, vice president, Autodesk Geospatial. "Autodesk MapGuide Enterprise 2008 reflects the open source community's input on the features most important to organizations, such as native support for Google Earth, while new Topobase 2008 features apply those enhancements to the specific requirements of utility companies."

Updates Speed Development of Web-based Geospatial Applications

Valuable contributions from the open source community reflected market need and fostered many innovations within Autodesk MapGuide Enterprise 2008. The software improves enterprise users' ability to integrate design and spatial data from a variety of sources, develop new geospatial applications and distribute maps and spatial data faster and more easily through dynamic Web pages or in the form of detail-rich, highly accurate and compact DWF files. New and improved functionality makes Autodesk MapGuide Enterprise 2008 a powerful development solution, while gains in performance, stability and interoperability deliver a stronger and more dynamic user experience.

Members of the geospatial community such as DM Solutions Group have driven the development of features important to their customers, which are now incorporated in Autodesk MapGuide Enterprise 2008. "Today's news demonstrates the advantages of collaboration with the open source community," said David McIlhagga, president of DM Solutions Group. "Everybody wins: open source developers don't have to clear huge cost or technical hurdles to build the tools they feel are most important, while our solutions and Autodesk customers gain relevant, enterprise-class features and functions."

Comprehensive Solution Purpose-Built for Utilities

Autodesk Topobase 2008 software incorporates all of the functionality of Autodesk MapGuide Enterprise 2008 and AutoCAD Map 3D 2008 products, as well as Oracle Spatial database technology, for performance, scalability, reliability and security. Topobase software brings together design, spatial and enterprise data and bridges the communication gaps that separate people from the knowledge and insight they need to design, build and service infrastructure assets more effectively.

"Utilities need a comprehensive understanding of these assets in order to achieve strategic business objectives, such as improved productivity, cost-savings and rapid return on investments," said Nigel Nugent, vice president, CH2M HILL. "Autodesk Topobase serves as a tool that helps utilities to meet these goals by giving their people the information they need to make informed, timely decisions."

Topobase 2008 offers additional features that take advantage of the Web for project workflow management, job creation and editing, and visibility into existing infrastructure and new projects. With the 2008 updates to the Topobase Web component, remote users, such as customer service agents, managers, field operations and external contractors, can securely access asset information to make better decisions and improve operational effectiveness.

In conjunction with Topobase 2008, Autodesk introduced a new module developed expressly to address the needs of gas utility operators. The module includes data models, workflows and business rules that reflect the gas industry's unique regulatory and local standards. Because the software is tailored to industry-specific requirements, customers can streamline set-up and implementation without expensive customization, which may result in a faster return on investment. Companies may also turn to Autodesk Consulting to accelerate deployment, integration and implementation of best practices.

Water and wastewater service operators already are measuring the impact of an industry-specific Topobase module. To keep pace with growth and demand for services, organizations need to be able to use up-to-date information that is often trapped in linear business processes. The Topobase solution can serve as a centralized platform for up-to-date network topology and greater consistency and efficiency in operations.

Availability

Autodesk MapGuide Enterprise 2008 is now available in English. German, Japanese, French and Italian versions will be released in the near future. Autodesk Topobase 2008 will be available in English later this month and in German, Italian and French shortly thereafter.

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Cadence Extends Integrated SiP Technologies Into the Latest Custom And Digital Design Flows

11 July 2007

[Cadence Design Systems, Inc.](#) announced that Cadence® SiP (system-in-package) technology is now integrated with the latest releases of the Cadence Virtuoso® custom design and Cadence Encounter® digital IC design platforms, bringing significant new design capabilities and productivity enhancements. Coupled with other Cadence products, including the Cadence RF SiP Methodology Kit, Cadence offers a leading suite of SiP design technology. The new Cadence SiP technology offers an expert-engineering process optimized for automation, integration, reliability, and repeatability. With the advanced SiP technology, Cadence enables designers to converge diverse IC and package-assembly technologies into highly integrated products. This results in designers meeting escalating demands for small, high-performance products while keeping costs low.

"As a user of both Virtuoso and SiP, it's important to have the best integrated overall solution and flow," said Christian Caillon, engineering director, Cellular Communication Division, STMicroelectronics. "This latest SiP technology delivers new levels of integration and design productivity that we need in order to deliver leading-edge multi-chip package solutions to our customers."

To realize improvements in design productivity and design quality, today's IDM and fabless chip companies need seamless integration between their IC design environments and their SiP implementation technology. Therefore, Cadence SiP technology has been enhanced to maximize productivity and quality. It now supports the new OpenAccess-based Virtuoso platform for an RF-module design and circuit-simulation-based flow. It integrates a new post-layout parasitic extraction and

back annotation flow into automatically maintained circuit-simulation test benches. The improved RF flow lets designers benefit from the new Virtuoso platform when designing SiP RF and analog modules. Benefits of the Virtuoso platform include its multi-technology IC simulation capabilities.

"This latest release of our SiP technology, and its integration with the latest Cadence Virtuoso and Encounter platforms, bring new levels of designer productivity and capability to the SiP design team," said Charlie Giorgetti, corporate vice president, product marketing at Cadence. "This integration of Virtuoso technology with the RF SiP flow allows designers to access multi-technology simulation for multi-chip designs at various system levels, including SiP, pre- and post-route parasitic extraction and back annotation into automatically maintained circuit-simulation test benches."

The new SiP digital flow includes logical co-design connectivity and authoring support, as part of the System Connectivity Manager. This isolates the front-end designer from physical-only changes, such as pin swap association. Enhanced digital SiP integration with Cadence SoC Encounter® RTL-to-GDSII system provides improved input/output planning, with staggered bondpad and radial wirebond bondpad spacing support that is commonly used for wirebond IC's. Other enhancements to this release, for both the RF and digital flows, include autobond for rapid wirebond padding evaluation, object-action and action-object use models, improved SI model-extraction accuracy for designs without reference planes, 3D die stack object swapping, extended manufacturing signoff rules, and capabilities for manufacturing accurate wirebond profiles and parasitic models.

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Cadence Logic Design Team Solution Answers Logical-physical Closure Conundrum

9 July 2007

Cadence Design Systems, Inc. announced an innovative solution to the challenge of achieving timing, power, area and schedule predictability in the hand-off of complex semiconductor designs from logic design teams to physical implementation teams. The Cadence® Logic Design Team Solution offers a new "design with physical" approach that resolves this conundrum by automatically delivering an accurate physical description of the design into the logic design stage.

This approach leverages the Cadence Encounter® RTL Compiler XL with global synthesis technology and Cadence First Encounter® XL silicon virtual prototyping in new ways. As a result, logic design teams now can automatically design and synthesize with real physical floorplan data, virtually eliminating disparities between logical and physical timing views, resulting in increased design quality and improved physical predictability, faster closure and improved quality of silicon (QoS) in timing, area, and power.

Physical timing effects have become more significant with each new process generation, yet a gap has remained between logical and physical views of a design. This causes numerous, lengthy iterations between logical and physical design teams to achieve design goals. Up to now, logic designers attempted to circumvent this problem by increasing timing margins, but this results in unacceptable increases in die size and power consumption.

The Cadence Logic Design Team Solution solves this conundrum by replacing traditional statistical wireload models with real physical timing information. The RTL-to-gate transformation and optimization process is driven by a proprietary Physical Layout Estimation (PLE) algorithm in Encounter RTL Compiler that's been proven in over 100 tapeouts to create a better, pre-converged netlist for implementation.

Then, in a new and unique approach, the First Encounter silicon virtual prototyping capability is incorporated into the synthesis cockpit to quickly obtain the most accurate view of physical interconnect timing. The combination of physical layout estimation algorithms and embedded silicon virtual prototyping technologies create a comprehensive interconnect modeling strategy that spans from RTL to gate level and accurately models both long and short wires. This all but eliminates disparities between logical and physical timing views, virtually eradicating schedule-killing, big-loop iterations and the need to over-margin timing at the cost of power.

"This breakthrough solution provides logic design teams with an automated method to ensure accurate timing closure without lengthy iterations with the physical implementation team—a powerful capability that greatly improves the predictability of the design schedule and dramatically increases the quality of silicon," said Nimish Modi, corporate vice president of Front End Design at Cadence. "It's based on new ways of using proven technologies together to generate superb results. This is another case where the Cadence Logic Design Team Solution is delivering tangible benefits to logic designers by looking at the problem with a holistic solution."

The Cadence Logic Design Team Solution

The [Cadence](#) Logic Design Team Solution helps logic design teams improve schedule predictability through plan-to-closure management and logical signoff, in an integrated and holistic approach covering both design and verification. It is another example of how Cadence offers tailored solutions for specific types of engineering teams. The "design with physical" component of the Logic Design Team Solution will be featured at the DA SHOW/CDNLive! Japan, which will be held in Tokyo, July 12-13, 2007.

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Cadence Works with STARC to Address 65 Nanometer DFM Challenges

10 July 2007

Cadence Design Systems, Inc. announced the availability of an advanced design flow to improve manufacturability and yield for 65 nanometer designs developed by STARC. The flow is based on the Cadence® Encounter® digital IC design platform and provides STARC member companies with integrated and enhanced design for manufacturing (DFM) and design for yield capabilities.

Cadence and STARC have been collaborating for over 15 months to provide member companies with this new set of DFM capabilities, by creating a flow using the Cadence Encounter® platform, including Cadence SoC Encounter® GXL RTL-to-GDSII system, Cadence Chip Optimizer, Cadence CMP Predictor, and Cadence QRC Extraction. The resulting flow delivers a comprehensive methodology to address 65 nanometer design issues while minimizing potential yield fall-out due to tighter manufacturing parameters and effects due to lithography and chemical mechanical planarization (CMP).

To improve the manufacturability and performance of the design, the collaboration delivers a flow that allows design teams at member companies to prevent, detect and correct for manufacturing effects to ensure improved yield, improved process windows and improved management of process variations.

The Cadence Encounter platform-based design flow uses the combination of Cadence Chip Optimizer and Encounter NanoRoute® nanometer router to enable defect-based yield optimization. By integrating Cadence CMP Predictor into the Encounter platform, designers can now predict thickness variability and drive metal fill and CMP hotspot detection/correction. Feeding this data into the Cadence QRC Extraction tool provides more accurate delay prediction. The Encounter platform addresses lithographic

effects in three integrated steps: prevention, detection and correction, delivering lithography-aware routing and an interface to third-party lithography analysis tools for hot-spot detection and correction. STARC and Cadence worked with lithography analysis companies to optimize the lithography hot-spot detection and correction flow in Cadence SoC Encounter GXL.

"Through our collaboration with [Cadence](#), we believe we can help our member companies address their most pressing DFM issues at 65 nanometers," said Nobuyuki Nishiguchi, Vice President and General Manager of Development Dept.-1 at STARC. "Because the flow is based on the integration of key DFM technologies into the Encounter platform, our member companies will be able to improve yield while still meeting aggressive power, performance and schedule requirements."

"Many of our key customers in Japan depend on STARC and Cadence to help address some of their most pressing design issues," said Eric Filseth, corporate vice president of marketing at Cadence. "Our work with STARC will allow them to deliver a comprehensive design flow that addresses the DFM challenges at 65 nanometers, and we look forward to similar collaborative efforts at 45 nanometers and beyond."

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CD-adapco Announces Release of the STAR-CAD Series V4.12: the CAD and PLM-Embedded Flow and Thermal Solution for Design and Professional Engineers

6 July 2007

CD-adapco announced the release of the STAR-CAD Series V4.12, a range of CAD and PLM-embedded simulation environments that allow engineers and designers to perform advanced Computational Fluid Dynamics (CFD) analyses.

This new version of the STAR-CAD Series includes: STAR-CAT5 -CAAV5 Based software- for CATIA V5, STAR-Pro/E for Pro/ENGINEER Wildfire, STAR-NX for NX and STAR-Works for SolidWorks.

The STAR-CAD Series is specifically created to enable Design and Professional engineers to undertake all CFD analyses directly within their company's chosen CAD environment. Using the power of associativity, any design change made in response to the results of the simulation, is reflected almost immediately in the CFD solution. Solutions are updated at the click of a button without additional user intervention.

Maintaining a focus on matching customers' expectations and responding to their requests, CD-adapco has ensured that the STAR-CAD Series are now also available on native Windows 64bit platforms under Windows XP, allowing interaction with the 64bit native versions of the CAD and PLM environments and providing users with the ability to run even larger models. The ModelChecker feature introduced in the previous release is improved with the addition of a synchronization mode that allows checking very large models in an efficient manner. As well as supporting the latest CAD and PLM versions, the STAR-CAD Series is powered by CD-adapco's latest solver technology: STAR-CCM+ V2.08.

"I want our customers to benefit from the most innovative and productive solutions on the market, and this can only be achieved by attentively listening to their requirements" says Jean-Claude Ercolanelli, Product Manager of STAR-CAD Series and STAR-CCM+. "There is a clear and sound demand from our end-users, to deliver even more of CD-adapco's powerful and effective technology within their familiar design environment. This means that the STAR-CAD Series product line is, and will continue

to get, even closer to our next generation software solution STAR-CCM+. Watch this space!”

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COADE Releases CADWorx® Plant Design Suite 2008

10 July 2007

COADE, Inc. announced the release of the latest version of its CAD series for process plant design, CADWorx Plant Design Suite 2008, which incorporates several capabilities that deliver some real advantages for the AutoCAD-based plant designer. One major enhancement is a tighter integration between CADWorx Plant Professional and CADWorx P&ID Professional that will let users see components existing in the process and instrumentation diagrams (P&ID) and to select and place those components directly into the model, automatically linking the two. The plant designer may also choose to fast track the modeling process, linking the placed items at a later date, thus offering the user full flexibility in the use of this capability.

“We work closely with our existing users, and one thing that’s important to them is that none of their work should be wasted,” stated Joe Dixon, Product Manager for COADE’s Plant Design Solutions. “So, we have made sure that this capability can be applied to new and existing projects without the need for redrawing or remodeling,” Dixon added.

[CADWorx Plant Professional 2008](#) also extends capabilities for producing automatic isometrics by giving greater access to ISOGEN’s most current tool set. “ISOGEN is a heavily used portion of CADWorx Plant Professional, and our users are always looking to push the envelope,” said Anupam Patel, VP of Plant Design Solutions. “We are glad to do what we can to help our users become more productive and more profitable,” Patel concluded.

[CADWorx Plant Design Suite 2008](#) takes advantage of many of the features and capabilities of AutoCAD 2008, Autodesk’s current release of AutoCAD. The software is compatible with AutoCAD 2005 through 2008.

The CADWorx Plant Professional series for process plant design offers intelligent drawing to database connectivity, advanced levels of automation and easy-to-use design tools. Because of these distinct advantages, it has been rapidly adopted by EPC firms and owner operators in the process, power, water treatment, pharmaceutical, food and beverage and semiconductor industries. CADWorx also offers the industry's first and only true bi-directional links between CAD and engineering analysis tools, linking CADWorx with COADE’s software programs for pipe ([CAESAR II](#)) and pressure vessel and exchanger ([PV Elite](#)) analysis and design.

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Delcam’s PartMaker Receives Autodesk Certification

5 July 2007

Delcam announced that PartMaker Version 8, the latest version of its PartMaker CAM software for Turn-Mill Centres and Swiss-type lathes, has been certified by the Autodesk Inventor Certified Applications Program for use with Autodesk’s Inventor 2008 solid modelling design system. To attain this certification, the PartMaker suite of products had to meet the Program’s strict criteria, including

demonstrating a high level of interoperability with Autodesk Inventor 2008. The certification, which follows the recent approval of Delcam's FeatureCAM range, is granted by Autodesk only after a product has been approved after a rigorous testing process.

PartMaker Version 8 features a wide range of improvements including enhancements to the system's general functionality, improvements in 3D simulation, handling of solid models and optimisation of 3D surface machining operations. PartMaker Version 8 also marks the introduction of the PartMaker Full Machine Simulation module, an optional module which allows the user to view a photo realistic 3D model of the machine for which they are programming a part.

"Staying current and fully compatible with leading 3D CAD systems like Autodesk Inventor is a cornerstone of the ongoing software development effort at PartMaker" according to PartMaker Inc. President Hanan Fishman. "Many PartMaker users use Autodesk Inventor for 3D design and many more members of the PartMaker user community receive files from customers who use Autodesk Inventor, so maintaining this interoperability is a mission critical service we provide to our users."

PartMaker users can directly import Autodesk Inventor files in their native *.IPT format. The latest version of PartMaker, PartMaker Version 8, makes working with imported solid models more productive than ever before. Turned profiles are automatically extracted from parts with a single mouse click. Verification of tool paths can now be seen directly on the solid model for all operations. Solid model assemblies can also be directly imported as well.

PartMaker is a Knowledge Based Machining system, allowing it to provide a substantial gain in programming efficiency by remembering the tools, material and process information necessary to machine individual part features. It thus relieves the user from the need to re-enter the same feature information for subsequent parts. It also improves productivity by placing the emphasis on tool management functions. Synchronization of tools working on multiple spindles is achieved by a few mouse clicks.

PartMaker pioneered the field of CAM software for Turn-Mills and Swiss-type lathes with its patented Visual Programming Approach for programming multi-axis lathes with live tooling. It makes an extensive use of pictures to help the user describe tools, part features and machining data, and so assures quicker learning and easier use.

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Effective Dashboard Reports and Scorecards Convey Critical Data to Retailers; ecVision® Provides Supply Chain Management Solution

9 July 2007

ecVision XpressCommerce® is providing comprehensive visibility into the entire product lifecycle through dashboard reporting and vendor scorecarding capabilities. XpressCommerce® connects retailers to all of their vendors and trading partners, and delivers the key functions of product lifecycle management (PLM) and supply chain execution (SCE) systems.

In the current release of this web-based software package, users are able to build custom reports utilizing the report wizard. Since XpressCommerce is a single platform capturing data from both PLM and SCE tasks, these reports are able to display clear, actionable information about current and historical performance in the context of planned or expected performance. These reports give users all the information they need -- including financial and operational information -- in a highly graphical,

intuitive format, making it easy to investigate and explore further, if necessary, to make proactive business decisions.

This module is also designed to ensure that factories abide with your social responsibility standards (human rights compliance). It includes workplace code of conduct audits, such as working hours, age requirements, discrimination, living conditions, etc. Business rules can create alerts or even prevent orders from being sent to non-complying vendors/factories.

The enhancements in this release provide users with the ability to easily share critical product and analysis information. Armed with this information, retailers are able to be more flexible with the changing consumer trends, increase margins, improve productivity of their global supply network, and quickly deliver quality items to their customers.

Learn more about XpressCommerce by visiting <http://www.ecvision.com/>.

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EMA Now Offers SymXpert to Its PCB Design Customers; SymXpert Transforms Datasheets into Accurate, Consistent, EDA-Ready Symbols

12 July 2007

EMA Design Automation™, a full-service provider of Electronic Design Automation (EDA) solutions, announced that it will now offer SymXpert™ from Perception Software to its customers. “Our goal is to provide as much automation to the design process as possible,” said Manny Marcano, President and CEO of EMA. “Symbol creation is one of those areas that has been a 100% manual process, until now.”

As large-pin-count components are more frequently used in PCB designs, the creation of schematic symbols for new parts has become increasingly time consuming and error prone. Typically, data for hundreds or even thousands of pins must be manually entered into a schematic capture program, painstakingly checked for errors against the original datasheet, and then partitioned into sections and formatted to meet company standards. For programmable devices or ASICS, this process must sometimes be repeated several times due to multiple design revisions.

SymXpert automates the symbol creation process by eliminating manual data entry and simplifying pin data verification. SymXpert dramatically speeds symbol creation with the following features:

Intelligent Content Extraction - SymXpert’s intelligent content extraction technology automatically extracts pin information directly from suppliers’ datasheets, eliminating the need for manual data entry. SymXpert can also read and compare data directly from FPGA log files.

Data Validation – Despite suppliers’ best efforts to ensure accuracy of their technical publications, datasheets can and do contain errors and inconsistencies. SymXpert checks all data extracted from datasheets for the most frequently occurring problems (i.e., missing pin numbers, duplicate pin numbers, etc.).

Rule Based Graphics and Pin Arrangement – SymXpert’s Advanced Fill Capability uses the power of user-defined, regular expression-based rules to automatically set pin attributes such as whisker type and pin graphics in accordance with symbol creation standards. Auto Arrange allows the designer to specify pin arrangement preferences and then applies those preferences to all symbol sections.

Template Driven Generation – Templates ensure symbols are created consistently to the same design standard. EDA-to-EDA property mappings allow symbols to be created once and then be exported to

multi-EDA environments.

“By streamlining the creation of symbols for new parts, SymXpert helps reduce design bottlenecks and eliminates opportunities for errors that can cause downstream manufacturing problems,” said Joe Dalton, CEO of Perception Software. “Customers easily speed up the symbol creation process by a factor of 8-24 times, freeing up engineering time for more critical design tasks.”

For additional information, visit <http://www.ema-eda.com/> or call EMA at 800-813-7494.

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Engineous Software Announces Partnership with Translation Technologies; Translation Technologies' Acc-u-Trans CAD Component Provides Interfaces to Widely Used CAD Systems

11 July 2007

[Engineous Software](#) announced their partnership today with [Translation Technologies](#). Through the agreement, Engineous will resell Translation Technologies' Acc-u-Trans CAD Component, providing interfaces to widely used CAD systems such as ProE, CATIA-V5, and UG-NX. This partnership is significant since it provides seamless access to these leading CAD platforms from within the iSIGHT-FD / FIPER software.

The Acc-u-Trans CAD component allows iSIGHT-FD / FIPER users to modify CAD parameters, save the CAD data in formats compatible with CAE, and maintain links from the CAD geometry to the CAE geometry. Coupling this functionality with iSIGHT-FD / FIPER's proven optimization and integration solutions provides a powerful new tool for CAD and CAE interoperability. For example, this integration allows for the modification of experiments used within FEA systems. The power contained in the CAD models can be accessed and exploited, as needed, for the analysis and workflow in a simple and effective manner.

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Informative Graphics' Brava! Enterprise Provides View and Markup for Micro Strategies' MSI Profiler; Micro Strategies Selects Brava!® to Provide View and Markup of Documents for Its MSI Profiler Solution for Capital Markets

10 July 2007

Informative Graphics Corporation (IGC) announced the integration of its Brava!® Enterprise viewing and collaboration product to Micro Strategies' MSI Profiler solution for capital markets.

The MSI Profiler provides users with the ability to sign, markup and annotate a document, then push it through an automated lifecycle. This lifecycle can automatically send a document through an approval workflow, update external systems of document progress, send an e-mail copy of the reviewed document to an external user or provide a copy to an existing fax server. This solution is built upon the Interwoven WorkSite MP 5.0 collaborative document management product, which provides document-level security, version control and a complete audit history of the document as it moves through the lifecycle. During the lifecycle, users not only see the document and its appropriate metadata, but have one-button access to a master agreement or other legal documents that may need to be reviewed in order to process it.

Brava provides the viewing, markup and digital signing for MSI Profiler. Brava was chosen because it

supports both Adobe PDF and office document formats like Microsoft Word. It provides affordable markup capabilities and has a flexible API to make integration easy. Brava has an excellent reputation and is integrated with many large and small document management solutions, including Interwoven WorkSite MP, EMC Documentum and Open Text Livelink ECM.

“Our business is built on delivering best-in-class solutions to our clients by partnering with technology leaders. BRAVA’s offering enables us to provide a unique solution to our capital market clients,” said James Veraldi, Executive Vice President at Micro Strategies.

“We are very excited about Brava being part of the MSI Profiler solution,” said Gary Heath, President and CEO of IGC. “Micro Strategies is a visionary company and has created a great product. These products are a natural fit.”

For more information about Brava, visit <http://www.bravaviewer.com/>.

For more information about MSI Profiler, visit <http://www.microstrat.com/>.

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Latest Noran Engineering Release Delivers Innovative Solutions for Impact, 3D Linear Contact, Advanced Nonlinear, and Composites Analysis for Nastran FEA Users

6 July 2007

Noran Engineering, Inc. (NEi) announced it will unveil NEi Nastran V9.1 for high end Finite Element Analysis (FEA) on July 11 via a live webinar to be held at 1pm EDT, 10am PDT. Sign up for the event is at http://www.nenastran.com/newnoran/NEi_Nastran_V9-1_Webinar. The new software will appeal to engineers involved in simulating the behavior of structures with characteristics that have proven difficult, time consuming, and expensive to model. Technology differentiators in NEi Nastran V9.1 that address these issues include:

- Automated Impact Analysis for transient impact studies and drop testing
- Hyperelastic Material Model for simulating large strain, rubber like materials
- Linear Surface Contact for performing true surface-to-surface contact analysis in a linear static solution
- Automatic Shell-to-Shell Contact for joining difficult 2D meshes
- Automated Surface Contact and Weld Generation
- 3D Composite Solid Element
- Vibration Fatigue Analysis
- 64-Bit Large Model Capability
- Industry specific code enhancements for aerospace and maritime users

The features in NEi Nastran V9.1 were developed as a result of close collaboration with users who were looking for new methods and technology in these areas. Noran Engineering distinguishes itself from broad based PLM/CAD/CAE companies' FEA offerings by developing innovative approaches to long standing modeling problems in various segments of the aerospace, maritime, medical, and consumer product industries.

Julia Oien, Director of Sales for Noran Engineering, commented on how the software release showcases the company's unique strength in the marketplace, "Analysis and simulation is our only business. As a result we can develop close working relationships with engineers, analysts, and program managers at a number of highly innovative companies that need to get the most out of this technology. NEi Nastran V9.1 reflects the kind of collaboration that comes from this environment."

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McLaren Software Ships Enterprise Engineer for Assets; Asset-Centric Functionality Delivers Process Automation; Bridges Gap Between Engineering and Maintenance Teams

10 July 2007

McLaren Software announced the general availability of Enterprise Engineer for Assets. This new application has been specifically designed in collaboration with key customers from McLaren's Customer Advisory Board to help owner operators assure the integrity of their asset documentation.

At the core of the new software is a controlled repository of officially sanctioned asset documentation including engineering documents and drawings called the asset information vault (AIV). Within the AIV, vital asset-related information such as standard operating procedures, as-built drawings and plant documents are controlled in a centralized manner with automated processes to manage change across multiple engineering projects.

Through McLaren's Rapid Success Program, key customers such as Petro-Canada and Sacramento Municipal Utility District are in the final stages of implementing the new application in order to standardize key engineering processes, increase operational efficiency, and reduce cycle times, while lowering non-compliance risks.

Quennon Coleman, Sr. Project Manager at Sacramento Municipal Utility District, says, "The EE for Assets solution should provide us the ability to control the change of our asset documentation, reduce risk and improve overall efficiency with our design change process."

Enterprise Engineer for Assets provides key processes to move asset documentation into and out of the AIV. By managing the relationship between as-built versions and project revisions, customers can now easily manage multiple concurrent projects and maintain the quality of their documentation. This capability is paramount, as during their lifespan assets are renovated, reconfigured, extended and finally decommissioned to meet everything from changing business demands to external regulatory requirements.

According to Paul Muir, CEO of McLaren Software, "This business challenge further validates an urgent need for a new class of application to automate processes that help manage the creation and use of unstructured content. The result is the formation of enterprise content management (ECM) strategies that require a combination of process automation, document management, and industry best practice. At McLaren Software, we refer to our solutions as intellectual work management applications which is very similar to what many industry analysts are now referring to as content-centric applications."

Enterprise Engineer for Assets is the only content-centric application of its kind that ensures there is a single trusted source for asset documentation that can scale across the enterprise. This reduces rework, minimizes project delays and allows for more accurate decision-making based on roles and assignments by using built-in processes that allow for officially sanctioned document updates. These updates can then be communicated in a controlled manner across all end users.

Paul Muir, CEO of McLaren Software, points out, "Enterprise Engineer for Assets centrally aggregates and manages all of the documentation associated with these ever-changing facilities, providing engineering professionals and the extended organization with reliable, secure access to crucial asset documentation anytime, anywhere."

Enterprise Engineer for Assets works with McLaren Software's flagship application suite, Enterprise Engineer™. Enterprise Engineer supports the engineering process by providing a single point of control to manage the production and use of project content, including drawings, correspondence, procedures and specifications. Enterprise Engineer supports both the EMC Documentum and FileNet P8 platforms.

For more information on Enterprise Engineer for Assets, please visit

<http://www.mclarensoftware.com/assets>.

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MSC.Software Expands Capabilities, Increases Performance and Improves Productivity Through Enhancements to Engineering Product Suite

10 July 2007

MSC.Software Corp. announced immediately available updates and enhancements to their core CAE product suite including Adams, MSC Nastran, Patran, Marc and Dytran. These updates demonstrate MSC.Software's continued commitment to provide best-in-class CAE solutions to its customers. The extensive enhancements expand simulation capabilities, increase solution performance, and improve the overall productivity of the virtual product development process.

"MSC.Software is committed to continued excellence in its engineering product suite," said Reza Sadeghi, chief technology officer and senior vice president, enterprise computing. "We have long been the market leaders in the CAE space and our commitment to innovation continues to ensure value and excellence for our customers. These five products represent MSC.Software's core CAE technology that has been helping manufacturers in a wide variety of industries develop quality products. Our commitment to these products and to our customers is reinforced by this latest release of the Engineering Products Suite and is further evidenced by the dramatic evolution of these products into our fully integrated MD technology framework."

MSC.Software's Adams is used to improve the design and performance of complex systems such as vehicles, aircraft, and even biological systems such as the human body. Using true physics-based equations of motion, engineers can determine the performance of proposed designs from the initial concept stages to fully detailed systems. Companies that use Adams show dramatic reductions in physical prototyping and testing costs. In the latest release of Adams, customers will benefit from numerous enhancements to the Adams Solver, Adams/Vibration, and Adams/Car.

[MSC Nastran](#) is the Aerospace and Automotive standard for large model structural analysis. With over 40 years of success, MSC Nastran continues to be enhanced to meet customers' requirements. Some of the new capabilities in the latest release include advancements in the solver performance, NVH and acoustics, new capabilities for shape and topology optimization, and advanced heat transfer analysis with thermal contact, to name a few.

Patran is a complete user-environment for creating finite element models. Patran's capabilities include direct access to CAD-generated geometry, powerful meshing algorithms, and support for many finite element solvers, such as MSC Nastran, Marc, Dytran, and others from Dassault Systemes and ANSYS.

Patran also facilitates interrogation of the results of analyses to determine the durability of a proposed design. Many enhancements have been included in this release including support for 64-bit hardware for working with very large models and new interface capabilities to improve the overall productivity of the analyst.

Marc is a leading finite element solver specializing in nonlinear analysis. This class of problem involves complex situations, such as contact, nonlinear material models, and extreme component deformations with fully automated mesh updates. By creating robust nonlinear algorithms and benefiting from advancements in high performance computing resources, more companies are now able to leverage the power of nonlinear analysis to simulate system performance as well as optimize their manufacturing processes to better control the overall product quality and cost. This release of Marc includes many enhancements, including new optimization for handling large assemblies such as Powertrain systems, new capabilities in component failure and delamination, advances in structural and thermal modeling, and more.

Dytran is used to simulate the behavior of moving and or accelerating structures (such as an impact, a drop, a shake, or a blast) to examine what might cause a product to fail. Dytran is a finite element solution for analyzing complex nonlinear behavior involving permanent deformation of material properties or the interaction of fluids and structures. Dytran enables engineers to study the structural integrity of designs to help ensure that final products meet customer safety, reliability, and regulatory requirements. In this latest release of Dytran, new capabilities have been included to reduce solution time for many fluid-structural interaction problems.

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PTC® Announces Pro/TOOLMAKER™ 8.1; CAM Solution Strengthens PTC's Manufacturing Strategy with High-Speed Precision Machining Solution

11 July 2007

PTC announced Pro/TOOLMAKER 8.1. Since its acquisition of NC Graphics in May 2007, PTC has focused on delivering a complete solution for optimized tool making and high-speed, precision machining processes. Pro/TOOLMAKER is a stand-alone software application that provides multi-CAD support to enable fully associative, reliable NC toolpath programming for Pro/ENGINEER® and other CAD systems.

Toolmakers require best-in-class solutions to meet the challenging demands of their discrete manufacturing customers and to compete in a global marketplace. Additionally, the ability to create molds and dies quickly and accurately is important to the manufacturing process and overall product development process. Historically these tools have been created in 2D CAD environments, but are increasingly being designed in 3D CAD/CAM systems. With its optimized high-speed machining capabilities, Pro/TOOLMAKER will offer manufacturing engineers and machinists a powerful package of NC programming capabilities that include NC post-processing and tooling libraries in a single product. Pro/TOOLMAKER enables companies to reduce scrap costs, increase product quality, decrease production time, and deliver products to market faster.

Pro/TOOLMAKER is part of the PTC® Product Development System (PDS), and as a result is able to provide a unique connection between product design and manufacturing. Pro/TOOLMAKER and Pro/ENGINEER NC and tooling solutions will enable designers to work side-by-side with manufacturing engineers which allows for real-time changes to designs that lead to optimal product

designs created for manufacturability. Additionally, toolpath data created using Pro/TOOLMAKER can be managed in Windchill®, PTC's content and process management software, allowing manufacturers to manage all 3D CAD/CAM/CAE information in a centrally located system. This provides the security and flexibility that designers, tool makers and manufacturers require in order to optimize its product development processes.

“Pro/TOOLMAKER provides a tighter link between product design and manufacturing which will give us the ability to optimize our toolmaking as it supports the complete product development process,” said Brett Mitchell, director, RP Tooling. “PTC continues to deliver solutions that are flexible, integral and targeted for our increasingly complex manufacturing requirements. Using PTC's solutions enable us to be successful in this dynamic market.”

Pro/TOOLMAKER 8.1 advanced machining capabilities include:

- Support for 5-axis positioning (3+2 machining)
- Automatic 3D roughing and rest-roughing for smooth and efficient toolpaths
- Specialized core and cavity machining strategies with area clearance, core and rest-roughing to maximize material removal
- Slope-based machining to allow for steep and shallow angle control
- Flat-surface machining to easily detect all flat surfaces
- Spiral and radial toolpaths to maintain toolpath efficiency with constant contact
- Morph and boundary machining to provide excellent surface finish
- Pencil single-pass and multiple-pass milling
- Rest-milling for all finishing toolpaths and tool shapes
- New integration provides associativity with Pro/ENGINEER data
- Multi-CAD support
- Immediate support for six languages including English, German, French, Japanese, Simplified Chinese and Traditional Chinese. Support for Italian, Spanish, and Korean languages expected later in 2007
- Includes PTC's GPOST for creating and updating post-processors for any type of CNC machine

“Pro/TOOLMAKER is the newest addition to the PTC PDS and delivers an incredible opportunity for manufacturers who want to improve collaboration across the multiple supply chains responsible for toolmaking,” said James Heppelmann, executive vice president software products and chief product officer, PTC. “When time frames for designing and manufacturing molds and die tools are reduced, new products can be introduced to market faster. A tooling development process integrated with the design and the manufacturing teams results in an increase in product quality and a reduction in scrap costs. Through these efficiencies and capabilities, Pro/TOOLMAKER can enable manufacturers to deliver more complex products faster and with less cost.”

Pro/TOOLMAKER Availability

Pro/TOOLMAKER is planned to be available in August 2007 in six languages, including English, German, French, Japanese, Simplified Chinese and Traditional Chinese. Italian, Spanish, and Korean

versions are expected later in 2007. For more information about Pro/TOOLMAKER or other Pro/ENGINEER NC and tooling solutions, please visit the product pages on <http://www.ptc.com/go/protoolmaker>. The timing of any product release, including any features or functionality, is subject to change at PTC's discretion.

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Tacton and MLC CAD Systems Enter into Reseller Agreement for TactonWorks

10 July 2007

Tacton Systems, global vendor of sales and product configuration software, announced that MLC CAD Systems has signed a reseller agreement for TactonWorks – whereby Tacton Configurator is embedded in SolidWorks as an add-in product. TactonWorks supports manufacturers in generating custom configured quotations for order processing. The agreement covers sales throughout the South Central U.S.

[MLC CAD Systems](#) has provided industry leading CAD, CAM, CAE, PDM and PLM solutions for over 25 years. With nine locations, MLC CAD Systems is one of the largest CAD/CAM providers in North America, and is the number one SolidWorks value-added reseller in the southern region of the United States.

[TactonWorks](#) is targeting manufacturers with a need for order-specific customization of the product design, e.g. engineer-to-order, assemble-to-order, or configure-to-order, where rules can define what is a valid design for the customer's requirements. TactonWorks offers significant advantages in interactivity, validation, and ease of maintenance over competing Knowledge Based Engineering solutions for SolidWorks, in much the same way as 3D CAD has these advantages over 2D CAD.

"We welcome the opportunity to help our customers to speed the quotation process, to quickly generate custom drawings and 3D models for quotations," said Dennis Hill, President of MLC CAD Systems. "This will reduce our customers' selling costs, thanks to much less custom engineering work, while increasing their sales by enabling them to include custom drawings and 3D models with all quotations."

"We are pleased to have an industry leader like MLC CAD Systems sell our product configurator software. Thanks to this agreement, more companies will be able to design better products by automating routine engineering tasks" said Christer Wallberg, CEO at Tacton Systems.

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