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## Top Story

### ***Siemens PLM Software to Create Industry's First Quality Management Solution "in the Cloud"***

13 July 2010

[Siemens PLM Software](#) announced a joint project with Microsoft Corporation to create the PLM industry's first cloud computing-based quality management solution. The solution will utilize Microsoft Windows Azure™ platform cloud computing services to securely run Siemens PLM Software's

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Dimensional Planning and Validation (DPV) application, showing how cloud computing can enable a world-class quality management application to be cost effectively accessed and leveraged on an as-needed basis.

Today's announcement was made at the Microsoft World Partner Conference in Washington, D.C., and represents one of several projects being jointly pursued by Siemens PLM Software and Microsoft to test and validate how cloud computing can be successfully used with PLM to create value for the global manufacturing industry. On June 28 Microsoft conducted a separate PLM-based cloud computing demonstration involving software solutions from Siemens PLM Software in front of more than 1400 attendees at the Siemens PLM Connection User Conference in Dallas.

"Delivering world-class cloud computing solutions is an important part of Microsoft's commitment to ensuring that our enterprise customers realize the maximum business value from their IT investments," said Simon Witts, corporate vice president, Enterprise and Partner Group (EPG), Microsoft. "Our success in honoring this commitment is based not only on our ability to establish strong and lasting relationships with our customers, but also by partnering with respected industry leaders like Siemens PLM Software who share our dedication to customer success."

DPV – an integral part of the Tecnomatix® software suite of digital manufacturing solutions – is the industry's first PLM-based closed loop quality system enabling the collection, management, analysis and reporting of quality measurement information tied directly to real time production results. Tecnomatix DPV leverages Teamcenter® software enabling the user to incorporate as-built production information, coupled with real time production quality data, in the same environment used to manage the enterprise's product, process and manufacturing data.

Some organizations – such as remote manufacturing locations or outside suppliers – may not require a full PLM resource infrastructure, but can still benefit from this type of state-of-the-art quality management technology. Through their strong partnership, Siemens PLM Software and Microsoft have joined forces to create an environment in which Tecnomatix DPV and Teamcenter will run in the cloud with the Windows Azure cloud services operating system, and utilize the SQL Azure™ relational database. This will allow them to test and demonstrate scenarios, in which the power, flexibility and value of this PLM-based quality management solution could be securely delivered without the need for a full in-house enterprise IT system. Once validated, the result will expand the availability of world-class PLM quality solutions and enhance deployment options through an on-demand environment.

"Using the Windows Azure platform to harness the power of cloud computing provides organizations with the ability to significantly reduce in-house infrastructure and support costs," said Sanjay Ravi, managing director, Worldwide High Tech & Electronics Industry, Microsoft. "We are proud of the work we are doing with Siemens PLM Software in this area, and look forward to exploring additional ways that cloud computing can securely and simply be applied to PLM."

## **PLM in the cloud**

In addition to the DPV-Azure project being announced today, the company is jointly engaged with Microsoft on several other ways to effectively leverage cloud computing. For example, the June 28 demonstration conducted at the Siemens PLM Connection User Conference, depicted product development collaboration in the cloud utilizing the Windows Azure platform to securely and automatically share 3D product information using the standard JT™ data format and PLM XML data format, between an original equipment manufacturer (OEM) and its suppliers.

"We believe the power and potential of cloud computing, properly leveraged and deployed, can have a

significant impact on the PLM industry,” said Chuck Grindstaff, executive vice president of Products and Chief Technology Officer, Siemens PLM Software. “That is why we are working closely with leaders in this area, like Microsoft, to explore a variety of promising applications for PLM in the cloud. We are proud that our strong relationship with Microsoft, which enabled Siemens PLM Software to be the first in our field to support SharePoint, has now made it possible for us to be the first PLM software supplier to demonstrate cloud computing concepts on the Windows Azure platform.”

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## Acquisitions

### ***LMS International Acquires Emmeskay (USA/India)***

16 July 2010

[LMS](#) International announced that it has acquired 100% of Emmeskay. Emmeskay is recognized as a world-class, global provider of advanced simulation technology solutions for model-based systems engineering (MBSE). Emmeskay has offices in Plymouth, Michigan (USA), Chennai, Tamil Nadu (India) and Nagoya, Aichi (Japan). This acquisition is an important milestone for LMS. It complements LMS’ solutions for intelligent multi-physics systems simulation with new applications and services for model-driven product development, strengthening LMS’ position as a world-leading engineering innovator with a unique portfolio of test and simulation software and related engineering services.

“We are very excited about this strategic acquisition. Emmeskay’s state-of-the-art plant modeling and controls development technology and its extensive experience supporting model-based systems engineering development truly complements our unique portfolio. Today, we can offer a complete set of applications to model, simulate and test real-life behavior of mechanical and mechatronics systems,” commented Dr. Urbain Vandeurzen, Chairman and CEO of LMS.

Craig A. Brown, GM PLM Strategy Co-Chairman added, “Model-based systems engineering or MBSE is core to our strategy to further step up our Road-to-Lab-to-Math processes within GM. We have been working with LMS for many years to advance our capabilities in powertrain virtual engineering and expanding into vehicle energy management. We have also worked with Emmeskay on advanced controls engineering, including fuel cell systems development. We see the complementary fit between both companies. The acquisition of Emmeskay by LMS puts LMS in a strong position to further expand its MBSE products and services portfolio.”

Dr. Swaminathan Gopalswamy, President & CEO Emmeskay Inc., said, “We were looking for a strategic partner to accelerate and broaden our strong existing relationship with our international customers like Toyota, General Motors, Denso and others. Our extensive experience across engineering domains, modeling approaches, tools and advanced analysis methods will enable LMS to deliver world-wide high-quality technical solutions to challenging, multi-disciplinary problems. By leveraging our mutual domain expertise, practical modeling experience, and a structured requirements-driven modeling process, I think we can safely say that LMS International is the strategic partner we were looking for,” Dr. Gopalswamy will be spearheading the MBSE efforts at LMS as Vice President, Business Development MBSE.

“The Emmeskay acquisition will complement LMS Imagine.Lab AMESim, our market-leading platform for physics-based simulation, with a collaborative systems engineering platform. This platform includes a new solution for system data management, LMS Imagine.Lab SysDM, designed for managing system

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engineering data and models from LMS Imagine.Lab AMESim, Modelica and Simulink®. LMS Imagine.Lab SysDM provides a collaborative backbone for mechatronic systems engineering, supporting physics-based system simulation and model-based controls engineering,” said Dr. Jan Leuridan, Executive Vice President and Chief Technical Officer.

Dr. Sebastien Kanne, Manager Diesel Systems Entwicklung, Bosch concluded, “LMS Imagine.Lab SysDM is a cornerstone to further increase the effectiveness of simulation and enhance collaboration in our diesel systems development. It also facilitates simulation model re-use for system engineering across multiple development projects.”

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## ***LMS Sells Noesis and the OPTIMUS Platform to Japanese Cybernet Systems***

16 July 2010

LMS International has sold its subsidiary Noesis Solutions N.V. and the OPTIMUS product line to Cybernet Systems. This move by LMS further focuses key resources on meeting customer demands for LMS' engineering solutions and its flagship platforms: LMS Test.Lab, LMS Virtual.Lab and LMS Imagine.Lab.

Dr. Urbain Vandeurzen, Chairman and CEO of LMS International: “Today, with the sale of Noesis, LMS strengthens its commitment to innovate its core products and engineering services to help support our major aerospace, automotive and other leading manufacturing customers. This strategic move will allow LMS to accelerate its vision and concentrate our forward strategy on the paradigm shift in our core business. Our partners in automotive, aerospace and other mechanical industries need us to focus our energy on innovative solutions and services for hybrid engineering and the next revolution: model-based systems engineering.”

[LMS](#) customers will continue to have access to the optimization technologies developed by Cybernet Systems and Noesis as part of the LMS Virtual.Lab and LMS Imagine.Lab platforms. LMS has formalized an R&D agreement with Cybernet/Noesis to integrate future updates of OPTIMUS technology in these two flagship LMS simulation platforms. Current users of OPTIMUS will benefit from seamless support from the global LMS sales operation. In 2011, Cybernet/Noesis will continue to expand the OPTIMUS customer base.

### **About the NOESIS history**

In 2003, LMS created a separate company, Noesis Solutions Solutions, to develop and market its process integration and optimization product, OPTIMUS, to a wider spectrum of customers outside its core client base in the mechanical industries. Over the past years, the OPTIMUS product has been successfully promoted in a variety of other industries, such as electronics, telecom, and process industries via both LMS sales offices and independent distributors. Of these independent distributors, Cybernet Systems in Japan has been the most important. In a strategic move for both companies, Noesis and OPTIMUS will now fly under the Cybernet Systems banner.

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## CIMdata News

### *Siemens PLM Software's Solid Edge Insight; A CIMdata Program Review*

13 July 2010

CIMdata, Inc., the leading global Product Lifecycle Management (PLM) management consulting and research firm released a new PLM Program Review entitled “Solid Edge Insight: A Microsoft SharePoint-Based Dedicated Design Data Management Solution for Solid Edge Communities.” This CIMdata-authored white paper reviews Siemens PLM Software’s Microsoft SharePoint-based design data management solution. The paper describes Solid Edge Insight and how it is a proven design-centric PLM solution focused on supporting Solid Edge communities. The paper also describes the value of this MS SharePoint-based solution for Solid Edge customers, and how the MS SharePoint platform enables them to leverage their existing IT infrastructure, and immediately benefit from the integration of design data and processes with their other business processes.

According to Peter Bilello, CIMdata’s President, “Solid Edge Insight is a proven design-centric PLM solution focused on supporting Solid Edge communities. Siemens PLM has a long list of customers who have implemented and benefited from using Solid Edge Insight.” Solid Edge Insight, which was first released in 2001 with Solid Edge Version 11, has more than eight years of proven customer success and is used by more than 1,000 customers. In this paper, CIMdata provides three CIMdata-written Solid Edge Insight customer briefs. Each brief provides a description of the Solid Edge Insight customer, its Solid Edge Insight implementation, and the value they have received by using the solution.

“By building their solution on top of a commercial Microsoft SharePoint platform, Siemens PLM is able to deliver to market a strong set of PLM functionality without having to develop and prove a new architecture,” commented Mr. Bilello. For Solid Edge customers, the MS SharePoint platform enables them to leverage their existing IT infrastructure and immediately benefit from the integration of design data and processes with their other business processes.

Mr. Bilello added, “A key strength of the Insight solution is that it is fully embedded within the Solid Edge application and provides transparent and seamless design management functionality for managed collaboration.” Siemens PLM continues to make significant enhancements to Insight that leverage the latest MS SharePoint capabilities to deliver wider PLM capabilities and improved collaboration across the customer’s organization, as well as with their suppliers and customers. To read more about Siemens PLM Software’s solution, please download and read the complete “Solid Edge Insight” paper. Copies of this CIMdata program review are available [here](#) at no cost.

### **About CIMdata**

CIMdata, a leading independent worldwide firm, provides strategic consulting to maximize an enterprise’s ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding more than 25 years ago, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences

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worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata's services, visit our website at [www.CIMdata.com](http://www.CIMdata.com) or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Siriusdreef 17-27, 2132 WT Hoofddorp, The Netherlands. Tel: +31 (0)23 568-9385. Fax: +31 (0)23 568-9111. Follow us at <http://twitter.com/CIMdataPLMNews>.

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## ***CIMdata in the News: "PLM: What You Need to Know"***

May/June 2010

*Automotive Design & Production's* Larry Gould discusses some of the key elements and considerations relevant to PLM implementations. For his article, "[PLM: What you Need to Know](#)" one of the experts Mr. Gould consulted is CIMdata's Ken Amann:

PLM is not a static concept, technology, or strategy. Once "just" a set of applications on an engineer's desktop, PLM is a "strategic element of your business," says Ken Amann, director of research for CIMdata. "PLM is an evolving issue, just like your business is evolving. Is PLM enabled with technology? Absolutely. But it's as much about the process and how you do things as it is about what you build. While you can operate more efficiently with enterprise resource planning [ERP], and customer relationship management [CRM] lets you interact effectively with your customers, what makes a difference to the bottom line is the products that you can sell and deliver and support. That's what PLM is all about."

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## Company News

### ***ASM International Content Available on Knovel ASM International Content Available on Knovel***

12 July 2010

Knovel, a Web-based application integrating technical information with analytical and search tools, announced that content from ASM International, The Materials Information Society, including the ASM Handbook series and atlases of fatigue curves and stress-strain curves, is now available on Knovel. In May 2010, the organizations announced a partnership to combine ASM's authoritative materials content with Knovel's optimized search and data analysis features and technical references from more than 70 leading societies and publishers. ASM on Knovel allows engineers to make better choices when selecting and utilizing materials in their products, projects and processes.

"We made quite a bit of progress since the launch of our partnership, and I can already see the value Knovel adds to our content," said Stan Theobald, managing director of ASM International. "For example, engineers can use interactive graphs to predict material behavior under different conditions – such as, how much stress a material will bear under a range of temperatures over time. This is helpful for material selection and aids in productivity."

With a network of over 36,000 members worldwide, ASM content is the first choice of reference material for engineers engaged in materials selection, metal processing, metal working and failure analysis. ASM provides materials science and engineering professionals with a broad range of authoritative information and knowledge.

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“Since we announced our partnership with ASM in May, we’ve had an enthusiastic response from our customers, particularly engineers in Aerospace, Design and Construction and Oil and Gas, who need access to a wide range of materials information,” says Delores Meglio, vice president, publisher relations for Knovel. “ASM is a valuable addition to our offering and very effectively complements content from other partners in our ecosystem including ASTM, NACE and Battelle.”

ASM on Knovel is a premium offering. For pricing and additional subscription information, please contact the Knovel sales team by phone at (866) 240-8174 or visit <http://pages.knovel.com/ASM.html>.

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## ***Berkeley Design Automation Lands Stephen Meier as VP of Engineering***

13 July 2010

Berkeley Design Automation, Inc., provider of the Analog FastSPICE™ unified circuit verification platform (AFS Platform), announced that Stephen Meier has joined the company as vice president of engineering.

Meier joins [Berkeley Design Automation](#) after more than 15 years at Synopsys, Inc., where he was vice president of engineering. Meier led Synopsys’ global development team for IC Compiler. Previously at Synopsys he led key development efforts in design for manufacturing, low-power design, testbench development, formal verification, and logic synthesis. Meier started his career at Intel, where he managed custom physical design tool development. He holds an MSEE from UC Berkeley and graduated Summa Cum Laude with a BSEE from the University of Michigan. Meier also holds a patent in low power design.

Dr. Raj Raghuram, who has served as the company’s vice president of R&D for over 3 years, is now the company’s senior architect of circuit simulation. Dr. Raghuram led the development of the company’s Analog FastSPICE from a circuit simulator to a complete verification platform. In his new role, he will focus on next-generation circuit simulation architecture and advanced algorithm development.

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## ***CGTech Opens New Office in Brazil***

15 July 2010

CGTech announced the formation of a subsidiary company in Brazil. Headquartered in São Paulo, the company (CGTech-Brasil) is responsible for marketing, sales, technical support, and reseller support throughout South America.

“CGTech is committed to customer success around the world, as demonstrated by our continued investment in local offices for direct sales and support,” said Jon Prun, President of CGTech. “There is a growing demand for simulation of complex machine tools and CGTech is well positioned to provide manufacturers with the skills and technologies they need to be successful.”

In conjunction with the opening of the office, [CGTech](#) has released a website in Portuguese: [vericut.com.br](http://vericut.com.br).

“This office is a real benefit for our existing Brazilian and Portuguese-speaking customers. It strengthens our position as the worldwide leader in NC simulation and verification,” said Prun. The

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office is located at Av. São Gabriel, 149 Cj 603, 01435-001 Itaim Bibi, São Paulo, SP, Brazil.

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## ***Delcam Strengthens Healthcare Team in North America***

13 July 2010

[Delcam](#) has reinforced its strong commitment to the healthcare industry in North America with two recent appointments. Sheila Cullers has been appointed Dental Business Development Manager, while Maida Koller has been given the position of Orthotics Business Development Manager.

Sheila Cullers first became involved with Delcam in May 2000 when she joined Jerry Sanders in VIZION, the company's reseller for the western USA. At VIZION, Sheila worked with Jerry to develop further Delcam's sales in the region. They built up a customer base of hundreds of clients, including internationally-known names in the aerospace, mould and die, medical, dental, consumer products, athletic shoes and sports equipment industries.

Sheila became a Delcam employee following the acquisition of VIZION last year. In her new position, she will have full responsibility for developing business for the DentCAD design software and the DentMILL machining system in the region, including both OEM agreements within the industry and direct promotion to dental laboratories.

Maida Koller has been involved with both software and hardware technology since 1989. After working for a Delcam reseller for a number of years, she joined Delcam in 2001 and has been responsible since then for developing the company's distribution channel for the Eastern United States.

Maida has been involved with Delcam's orthotics business since the early days, working with the development team from Delcam, and with state-of-the-art hardware technology experts and a panel of experienced medical partners, in the creation of the OrthoModel and OrthoMill software, and the iQube foot scanner.

Commenting on the appointments, Glenn McMinn, President of Delcam North America said, "Delcam has made a strategic decision to become more active in the healthcare markets with new products, increased R & D and dedicated sales channels. The North American industry is moving rapidly from its traditional methods to CAD/CAM technology. We have already enjoyed considerable success in this market and I am certain that these appointments will lead to further growth in our sales."

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## ***Delcam to Participate in €5.2m "Factories Of The Future" Project***

13 July 2010

[Delcam](#) will be one of the participants in a new €5.2m project to help develop the factories of the future. The COPERNICO (Cooperation Environment for Rapid Design, Prototyping and New Integration Concepts) project is being led by the University of Sheffield Advanced Manufacturing Research Centre with Boeing, while the other partners are University of Nottingham, UK; University of Brescia, Italy; Budapest University of Technology and Economics, Hungary; Fraunhofer IPA, Germany; Rolls-Royce, UK; Electrolux, Italy; Footprint Tools, UK; Virtualis, UK; Temco, Italy; Teks, France; Cesi, Italy; Prorec, Germany; and Gamax, Hungary. It is part-funded by the European Commission through the Seventh Framework Programme.

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The project is developing techniques to help businesses maximise the efficiency of their factories, and to integrate rapidly new products and processes. Delegates from all the partners met at the AMRC in early June to launch the four-year project.

“A common problem for manufacturing companies is how to get through the initial production stage,” explained Professor Keith Ridgway, research director at the AMRC. “How do companies move through that stage as quickly as possible and what modelling tools can they use to aid the decisions? COPERNICO aims to reduce the time and cost to introduce new products and processes, and reduce the time to redesign and reconfigure factory systems.”

The research will be driven by real-life case studies provided by the industrial partners. For example, Rolls-Royce has identified three case studies, including the design and layout of its new civil nuclear manufacturing facility (which will be built close to the AMRC in South Yorkshire). Similarly, Italian home appliances group Electrolux will work with COPERNICO researchers to improve the efficiency of its own manufacturing facilities and those of its supply chains.

Helping smaller businesses to become more competitive is an important part of COPERNICO. Case studies are also being provided by Sheffield-based Footprint Tools and Italian automotive supplier Temco, which both want to grow by developing new high-value manufacturing services within Europe.

COPERNICO will deploy and develop a range of technologies, including modelling of human-machine interactions, virtual simulation of factory environments and online software tools to help businesses diagnose areas for improvement.

Delcam is leading a work package in the COPERNICO project that will help to ensure integration and interoperability between CAD, CAM and inspection software, and PLM systems. With the partners involved, Delcam will identify:

- modelling tools for representing the physical system
- tools for management decision making
- tools for information systems (PLM)

From this analysis, any gaps in functionality will be identified that need to be filled to meet the overall time and cost objectives of the project participants.

Dr Jim Baldwin, technical coordinator for COPERNICO at the AMRC added: “There are tens of thousands of manufacturing SMEs across Europe. The challenge for our project is to integrate the vast amount of information about them and produce new tools which can be used by a wide range of these smaller manufacturing businesses.”

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## ***Lectra Appoints Laurence Jacquot Group Industrial Operations and Hardware R&D Director***

15 July 2010

[Lectra](#) announced the appointment of Laurence Jacquot as Director of Industrial Operations and Hardware R&D.

Having led the Group’s Industrial Operations division since 2005, Laurence Jacquot will now also take on responsibility for hardware research and development. By bringing these two roles together, Lectra intends to accelerate development through strengthened synergies between the two teams—50

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employees in Hardware R&D and 150 in Industrial Operations. The objective is to offer customers increasingly innovative and powerful technological solutions with an optimized time to market.

Since its inception, Lectra has made the strategic choice to keep its R&D and production teams in France, and to capitalize on its human assets and acquired expertise, while protecting its industrial property.

“The Vector® range is the flagship of our offer designed specifically for the cutting room. Since 2000, it has enabled us to hold our position as world leader, and it is now more successful than ever, with a sharp increase in orders since the start of the year,” said Daniel Harari, Lectra CEO. “Laurence did a superb job of launching the new generation Vector in 2007. These Vector cutters now offer a cut quality and performance unequalled on the market. By bringing our hardware research teams and our manufacturing teams together under the same director, we aim to go a step further and bring a new dimension to all our cutting room solutions.”

“Due to Lectra’s major investment in R&D over the last few years, we now have a unique offer that is way ahead of the competition,” explained Laurence Jacquot. “With an even more integrated process of research, development, manufacturing, maintenance and services, we are further reducing our time to market and our manufacturing and delivery times. At the same time, we are cutting our overall costs and improving flexibility by taking manufacturing constraints into account right from the design phase. Our proximity to our customers allows us to introduce new ideas for developing revolutionary systems that are even more intelligent and communicate even better than before.”

Laurence Jacquot joined Lectra in 2000 and quickly took over responsibility for the purchasing department where, with her team, she accomplished an ambitious plan to reduce production costs. In 2005 she was promoted to the post of Industrial Operations Director in charge of manufacturing, logistics, quality and purchasing. Prior to joining Lectra, Laurence occupied various management posts at Henkel France and Sanofi.

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## ***Mentor Graphics Announces 22nd Annual PCB Technology Leadership Awards Program***

15 July 2010

Mentor Graphics Corporation announced the call-for-entries of its 22nd annual Technology Leadership Awards competition. Started in 1988, this program is the longest running competition of its kind in the electronic design automation (EDA) industry. It recognizes engineers and computer aided design (CAD) designers who use Mentor’s technology to address today’s complex PCB systems design challenges and produce industry-leading products.

Prominent experts in the PCB industry will judge the contest, including: Happy Holden, vice president and chief technical officer, Foxconn Advanced Technology Group; Gary Ferrari, technical support director, FTG Circuits; Pete Waddell, president of UP Media, publisher of Printed Circuit Design & Fab/Circuits Assembly Magazine; Andy Kowalewski, senior interconnect designer, AdvantagePCB; and Rick Hartley, senior principal engineer, L-3 Communications, Avionics Systems, Inc.

This year, entrants will be able to submit their design accomplishments in any of six categories representing a wide variety of industries:

- Consumer electronics and handheld

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- Industrial control, instrumentation, security and medical
- Military and aerospace
- Computers, blade and servers, memory systems
- Telecom, network controllers, line cards
- Transportation and automotive

Winners will be named for each category as well as a Best Overall Design recipient. The timeframe for submitting entries is from July 15 - September 24, 2010. Entrants can apply online at <http://www.mentor.com/go/tla>. This web page also has a video from the judges with helpful hints on how to win.

## About the Technology Leadership Awards Contest

Mentor's Technology Leadership Award contest is open to any designs created with Mentor's PCB solutions, including the Board Station®, Expedition® Enterprise and PADS® design flows. Judging will be based on overcoming complexity challenges, such as small form factor, high-speed content, design team collaboration, advanced PCB fabrication technologies, and design-cycle time reduction. Judging will start September 24 and winners will be announced November 9 on a worldwide web broadcast.

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## ***New Mexico State University Receives In-Kind Software Grant from Siemens PLM Software Valued at \$27.5 Million***

12 July 2010

[Siemens PLM Software](#) and New Mexico State University (NMSU) announced the second largest in-kind corporate contribution ever received by the university. The in-kind software grant from Siemens PLM Software, with a commercial value of \$27.5 million, was presented to the NMSU College of Engineering.

The in-kind grant will enrich NMSU College of Engineering curriculum, providing advanced hands-on training to students preparing to enter the workforce following graduation. The range of software includes [Teamcenter® software](#), Siemens PLM Software's digital lifecycle management solution, [Tecnomatix® software](#), Siemens PLM Software's digital manufacturing solution; [NX™ software](#), Siemens PLM Software's comprehensive digital product development solution; and [Solid Edge® software](#), the core CAD component of the [Velocity Series™](#) portfolio, a comprehensive family of solutions addressing PLM needs of the mid-market.

“We will incorporate the use of this software into the industrial engineering curriculum,” said Edward Pines, industrial engineering department head. “It will also be used by mechanical engineering students for senior design courses and possibly some graduate research projects.”

“The software will essentially allow students to research manufacturing processes, such as how do you make a part, how do you assemble a product, what is the best way to design a plant,” added Pines. “We anticipate that our graduates will be more competitive in the global marketplace due to their experience with this state-of-the-art technology.”

“Siemens PLM Software provides NMSU access to PLM technology, which otherwise would be out of reach for the academic community, giving students a distinct advantage by being able to use the same

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PLM technology widely-used by leading multi-national manufacturing companies around the globe,” said Rich Ramsey, vice president, Partners & Components, Siemens PLM Software. “The experience gained in the use of these tools better prepares students for today’s highly-competitive manufacturing jobs requiring full knowledge of modern technologies and tools.”

The award was made via the Partners for the Advancement of Collaborative Engineering Education (PACE), a joint philanthropic initiative of General Motors, Hewlett-Packard, Siemens PLM Software, and Sun Microsystems. The group has worked together since 1999 to support key academic institutions worldwide with computer-based engineering tools to prepare mechanical designers, engineers and analysts with the skills to compete in the future.

A PACE contribution in 2007 valued at \$112.7 million is the largest in-kind corporate contribution ever made to NMSU. NMSU is part of the PACE collaboration, which now includes 49 strategically selected universities around the world.

## **GO PLM Program**

Siemens PLM Software’s [Global Opportunities in Product Lifecycle Management \(GO PLM™\)](#) provides PLM technology to more than one million students yearly at nearly 10,500 global institutions, where it is used at every academic level – from middle schools to graduate engineering research programs. For more information on GO PLM and the partners and programs it supports visit <http://www.siemens.com/partners/goplms>.

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## ***TEC and Surfware Grant Arkansas State University SURFCAM CAD/CAM Software Valued at \$756,000***

15 July 2010

As a further commitment to supporting S.T.E.M Education and cultivating the next generation of technical-engineers, Technology Education Concepts (TEC) – the Nation’s leading provider of 3D Engineering products and resources to the Education industry – and Surfware, Inc. announced that they will be granting \$756,000 worth of Surfware’s SURFCAM CAD/CAM software to Arkansas State University, the Northeast Arkansas Career & Technical Center, and Reverend Dr. Charles Coleman, ASU’s Director of Technology.

“With TEC and Surfware’s generous help,” Reverend Dr. Coleman stated, “we will be able to reach and impact students far beyond the walls of Arkansas State University. We are working with NEA Career & Technical Center to bring high school students from 13 different schools around the City of Jonesboro to gain immersive instruction on software and machines. In addition, we are hoping to give technical CAM course-credits to these high schools. While the program is small now, our goal is to extend our helping hands to these students – who are our future – as far as possible.”

Some of the new SURFCAM v5 exceptional features for 4- and 5-axis programming are:

- \* New 3-axis Z-Finish routines
- \* Selectable operations in the Operations Manager for posting
- \* Updated lathe package

For a complete list of new and improved SURFCAM and TrueMill product features and enhancements,

please go to [SURFCAM.com](http://SURFCAM.com).

For more information about the ASU Engineering program contact Director of Technology, Rev. Dr. Charles Coleman, at [ccoleman@astate.edu](mailto:ccoleman@astate.edu).

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## Events News

### ***Concepts NREC Displays Propulsion Turbomachinery Technology at the 46th AIAA Joint Propulsion Conference & Exhibit***

15 July 2010

[Concepts NREC](#) (CN), a world leader in turbomachinery design, research, engineering, and manufacturing, will exhibit at the **46th AIAA/ASME/SAE/ASEE Joint Propulsion Conference and Exhibit (JPC) July 25 to 28 in Booth 118** at the Nashville Convention Center & Renaissance Hotel in Nashville, Tenn. Concepts NREC engineers will demonstrate technology that underscores the company's over 50 years of experience working on turbomachinery for aerospace propulsion, including advanced technology work for NASA to reduce the required propellant tank pressures and increase the stability of rocket turbopumps. Turbomachinery engineers, designers, manufacturers, and students focused on propulsion technology will benefit from CN's demonstrations.

"CN capability that is unmatched by any other independent turbomachinery company. Come and see what turbomachinery solutions we can provide for your aerospace propulsion needs," says Kerry Oliphant, aerospace program manager for Concepts NREC.

At the AIAA JPC, CN will exhibit examples of high performance aerospace propulsion turbomachinery and technology:

- 1) A compressor and turbine designed by CN for a small turbojet (30 to 100 lb thrust) for missile applications
- 2) Compact diffuser technology for low weight and low frontal area requirements in aerospace propulsion
- 3) High efficiency supersonic mixed-flow impeller designed for unmanned propulsion applications
- 4) High Suction Specific Speed (NSS) inducer for extremely low tank pressure rocket turbopumps
- 5) A new test facility at CN to measure a cavitating inducer's transfer functions that are critical information for accurate liquid propulsion launch vehicle stability analysis

CN's Agile Engineering Design System® <<http://www.conceptsnrec.com/Solutions/CAE-CAM-Software.aspx>> (Agile) turbomachinery software is used by engineers, designers, and product manufacturers. Software demonstrations also will be given in CN's booth number 118 during the exhibition.

CN's participation at the AIAA JPC is part of an expanding program of activities that the company has rolled out this year to support the growing success of its turbomachinery software, services, and education. For more information about forthcoming events, webinars, and courses, please visit <http://www.ConceptsNREC.com>

About AIAA

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AIAA is the world's largest technical society dedicated to the global aerospace profession. With more than 35,000 individual members worldwide, and 90 corporate members, AIAA brings together industry, academia, and government to advance engineering and science in aviation, space, and defense. For more information, visit <http://www.aiaa.org>

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## ***DCS Vice President to Present on the Correlation of As-Build Products to As-Designed Models at CMS***

1 July 2010

Dimensional Control Systems, Inc. ([DCS](#)), provider of dimensional engineering consulting services and software solutions, announced that Sales Vice President Donald Jasurda will address more than 600 coordinate metrology systems (CMS) professionals at the Coordinate Metrology Systems Conference (CMSC). The event will be held at the Grand Sierra Resort in Reno, Nevada from July 12-16.

Jasurda's presentation is scheduled for 10 a.m. on July 15. He will focus on "The Correlation of As-Built Products to As-Designed Models: Closing the Digital Loop on Dimensional Measurement Results to Simulation Predictions." Specifically, he will discuss how the correlation of theoretical tolerance analysis results produced during engineering simulation to actual as-built results can help manufacturers validate or adjust their as-designed simulation parameters to more closely align with production process capabilities.

"I'm pleased to address this group of CMS experts," said Jasurda. "As manufacturers continually face tighter and tighter program cycles and budgets, finding ways to reuse existing and proven manufacturing process elements on new and re-design programs is becoming a competitive necessity. I hope to help CMS professionals gain knowledge on how to validate, capture and reuse their best practices on future programs, for both engineering simulation and manufacturing.

For more information about the CMSC, see <http://www.cmssc.org/cmssc-attendee-information>.

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## ***Delcam to Host More Free Workshops on Latest Developments in CAM***

July 2010

Following a successful first CAM day last week, Delcam will host a second series of free workshops on the latest developments in manufacturing technology at its Birmingham headquarters on Wednesday 22nd September. The day will again feature sessions on five-axis machining, feature-based programming, integrated CAM for SolidWorks and software for metrology. Each presentation will be repeated at various times during the day, giving all delegates the opportunity to custom-make their itinerary to fit their preferred interests and timings.

"Our initial CAM day was well received, especially by some new prospects that we met at the MACH exhibition who were keen to find out more about our company and our range of machining software," explained Delcam's Marketing Manager, Peter Dickin. "However, we had many people that couldn't attend because it was so close to the holiday season. We hope that these companies will be able to join us on the new date and see how Delcam software can increase productivity, reduce lead times and improve quality. They will also be able to visit Delcam's headquarters and learn about the unparalleled

support that we give to our customers.”

The workshops for the day will be as follows:

## **CAM for five-axis machining**

Five-axis machining offers many opportunities to increase productivity and improve quality. This session will provide an introduction to the programming of five-axis machines with Delcam's PowerMILL CAM system. It will include details on a new PowerMILL module for the programming of robots for five-axis machining.

## **Feature-based programming**

Feature-based programming provides the fastest and easiest approach for production machining of prismatic designs. Delcam's FeatureCAM was the first feature-based CAM system when it was launched in 1995. This presentation will show how its highly-automated, knowledge-based programming, with machining strategies, tooling, and feeds and speeds set by the software, makes the system ideal for those with little CAM experience or for occasional users.

## **Integrated CAM for SolidWorks**

Delcam for SolidWorks is a new CAM system that is fully integrated into the SolidWorks environment so that the program looks and behaves like SolidWorks. The software offers full associativity so that any changes in the CAD model are reflected automatically in the toolpaths. This session will show how this integration makes access to Delcam's powerful machining strategies easier than ever for SolidWorks users.

## **Software for metrology**

This presentation will cover Delcam's software for metrology, in particular the PowerINSPECT program. It will also show how machining and inspection can be integrated more closely, in developments like electronic fixturing and on-machine verification, to give more efficient manufacturing and higher-quality results.

To register for the Delcam CAM day on 22nd September, please go to <http://www.delcam.co.uk/cam>.

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## ***Delcam to Show High-Precision Manufacturing at Micronora***

15 July 2010

[Delcam](#) will demonstrate its complete range of quality control software, including the latest version of its PowerINSPECT inspection software, at the Micronora exhibition to be held in Besancon, France, from 28th September to 1st October. In addition to PowerINSPECT, Delcam offers programs to confirm the accuracy of machine tool set-ups, electronic fixturing systems to ensure CAM programs are aligned correctly with the part to be machined, and On-Machine Verification software to enable part accuracy to be checked before it leaves the machine. Live demonstrations will be carried out at Micronora of PowerINSPECT on a FARO portable coordinate measuring machine, while adaptive machining will be shown on a Mikron machine on the Agie-Charmilles stand.

PowerINSPECT combines the ability to work with all types of inspection device, including conventional CMMs, portable arms and optical devices, with a comprehensive range of routines for making simple measurements, for inspecting geometric features and for checking complex surfaces. The resulting

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reports present detailed information in formats that can be understood by all engineers, not just inspection specialists. The new release incorporates automatic surface inspection and the ability to use GD&T data from CATIA models, plus improvements to the handling of point cloud data and changes to the interface to make the software even easier to use.

NC-Checker is another recent addition to Delcam's family of metrology software. This allows companies to undertake in-process verification of the performance of a wide range of commonly-used machine tools. It provides a way to confirm the accuracy of the machine with standard probing equipment. NC-Checker can be used before machining starts to confirm that the equipment has been set up correctly and then applied during the production run to detect any movements out of tolerance that might have been caused, for example, by wear or temperature changes.

The final new option, NC-PartLocator, gives the ability to adjust toolpaths to the actual position of the part, rather than having to ensure that the piece is in exactly the nominal location specified in the CAM system. It uses a probe in the machine tool to collect the data rather than a separate device. The benefits are that adjustments can be made in the machine tool control much more quickly and easily than placing, and holding, the part in exactly the specified position, especially when producing large or heavy components. The same probe can be used to inspect the finished part using the PowerINSPECT option for On-Machine Verification.

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## ***PTC Experts and Partners Exhibit at PlanetPTC Virtual – CoCreate***

July 2010

[Register](#) now to attend [PlanetPTC Virtual - CoCreate](#), the first virtual event for the CoCreate community, taking place on Wednesday, July 28th, 2010 from 1-5PM EST.

Attend webcasts, chat with CoCreate product experts, network with your peers, download CoCreate resources and much more. The exhibit hall will feature several booths hosted by PTC and partners.

### **Exhibitor Highlights:**

**CoCreate** – Interact with the CoCreate leadership team and while you're there, ask how CoCreate can improve your design productivity.

**PTC University** – Access the best CoCreate training available. Learn about the different learning options – virtual classrooms, eLearning, and live classes.

**3D Systems** – Experience 3D System's rapid manufacturing, 3D printing and parts solutions and see how they meet all of your design to manufacturing needs.

**AI MAXTools** – Learn how AI MAXTools can help you get more out of CoCreate Modeling – it's that easy!

This event is ideal for product designers and design managers interested in improving CAD productivity. [Register Now!](#)

Visit [PlanetPTC Virtual website](#) to check the schedule of upcoming PTC virtual events.

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## ***Registration Opens for the COE 2010 Industry Workshop - Aerospace & Defense***

July 2010

***Save \$200 when you register by Friday, August 13***

**Event:** [COE 2010 Industry Workshop - Aerospace & Defense](#)

**Date:** October 11-12, 2010

**Venue:** Dallas/Ft. Worth Marriott Hotel & Golf Club at Championship Circle Ft. Worth, Texas

**[Register.](#)**

Workshop education and key learning opportunities will be presented in the following [technical tracks](#):

- Digital Manufacturing
- Systems Engineering Physical Design
- Post Delivery Product Support
- Migration/Integration with CATIA V6 from Non-EM1 PDM System
- CATIA Analysis from a Designer Standpoint
- Program Management
- Processes for Dealing with Legacy Data
- Large Assemblies and Knowledgeware
- Shipbuilding, Energy and AEC track: V4, V5 to V6 Evolution/Transition
- Develop and Deploy

Continue to visit <http://www.coe.org> for the latest workshop information.

### **Important Dates:**

**August 13:** Deadline to save \$200 on the full registration rate.

**September 24:** Deadline to reserve your hotel room at COE's low rate of \$129 per night.

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## ***Solid Edge Productivity Summit Tour to Storm through 17 Cities in 5 Weeks***

July 2010

Siemens PLM Software is launching the Solid Edge Productivity Summit Tour, a set of complimentary one-day, technically rich events for new and seasoned Solid Edge® software users as well as users of any other CAD system. This 17-city tour of North America is designed to increase productivity with Solid Edge for attendees and their company.

More information is shown below and at the following URL:

<http://am.siemensplmevents.com/?elqPURLPage=3363>

Attending the Solid Edge Productivity Summit Tour will help:

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- Increase your productivity
- Add to the value you deliver your company
- Provide you dozens of Solid Edge design tips and tricks
- Teach you about new Solid Edge features
- Demonstrate how to leverage Synchronous Technology and reduce time to market
- Show you how to draft, model, and pattern in Solid Edge more efficiently
- Broaden your contacts with both suppliers and your current clients
- Let you network and share design processes and ideas with other Solid Edge users
- Introduce yourself and your company to potential new customers

The Solid Edge Productivity Summit Tour is free to all Solid Edge users as well as users of other CAD systems. Pre-registration is required, and lunch will be provided. Click [here](#) to find an event location near you and to download a preliminary agenda.

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## Financial News

### *ANSYS to Release Second Quarter 2010 Earnings on August 5, 2010*

12 July 2010

ANSYS, Inc. announced it expects to release its second quarter 2010 earnings on Thursday, August 5, 2010. 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 2010 Earnings Conference Call

**When:** August 5, 2010 at 10:30 a.m. Eastern Time

**Where:** <http://investors.ansys.com>

The conference call dial-in numbers are (800) 860-2442 (US), (866) 605-3852 (CAN), or (412) 858-4600 (INT'L)

**Passcode:** ANSYS

The call will be recorded with replay available within two hours after the call at <http://investors.ansys.com> or at (877) 344-7529 (US) or (412) 317-0088 (CAN and INT'L)

**Passcode:** ANSYS

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## ***Cadence Announces Second Quarter 2010 Financial Results Webcast***

9 July 2010

### **Who:**

Cadence Design Systems, Inc. to announce second quarter 2010 financial results via webcast.

### **What:**

You are invited to attend the second quarter 2010 financial results audio webcast. Participating on the webcast will be Lip-Bu Tan, president and chief executive officer, and Kevin S. Palatnik, senior vice president and chief financial officer.

### **When:**

The webcast will begin Wednesday, July 28, 2010 at 2 p.m. (Pacific)/5 p.m. (Eastern). An archive of the webcast will be available from 5 p.m. (Pacific) July 28 until 5 p.m. (Pacific) Aug. 11.

### **Where:**

The webcast will be available online at: [www.cadence.com/cadence/investor\\_relations](http://www.cadence.com/cadence/investor_relations)

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## ***Infosys Technologies Announces Results for the Quarter Ended June 30, 2010***

13 July 2010

Q1 revenues grew by 21.0% year on year; sequentially grew by 4.8%

### **Highlights**

#### *Consolidated results for the quarter ended June 30, 2010*

Revenues were \$ 1,358 million for the quarter ended June 30, 2010; QoQ growth was 4.8%; YoY growth was 21.0%

- Net income after tax\* was \$ 326 million for the quarter ended June 30, 2010; QoQ decline was 6.6%; YoY growth was 4.2%
- Earnings per American Depositary Share (ADS)\*\* was 0.57 for the quarter ended June 30, 2010; QoQ decline was 6.6%; YoY growth of 3.6%
- 38 clients were added during the quarter by Infosys and its subsidiaries
- Gross addition of 8,859 employees (net addition of 1,026) for the quarter by Infosys and its subsidiaries
- 1,14,822 employees as on June 30, 2010 for Infosys and its subsidiaries

\* Excluding the income from sale of our investment in OnMobile Systems, Inc. of US \$ 11 mn in Q4 FY10, QoQ decline was 3.6%

\*\* Excluding the income from sale of our investment in OnMobile Systems, Inc. of US \$ 11 mn in Q4 FY10, QoQ decline was 3.4%

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"While the global economic environment remains uncertain, we continue to see greater demand for services from our clients," said S. Gopalakrishnan, CEO and Managing Director. "The challenge for the industry is to enhance the investment to grow the business, given the uncertainty in the environment."

## Business outlook

The company's outlook (consolidated) for the quarter ending September 30, 2010 and for the fiscal year ending March 31, 2011, under International Financial Reporting Standards (IFRS), is as follows:

### *Outlook under IFRS#*

#### *Quarter ending September 30, 2010*

- Consolidated revenues are expected to be in the range of \$ 1,413 million to \$ 1,427 million; YoY growth of 22.4% to 23.7%
- Consolidated earnings per American Depositary Share are expected to be in the range of \$ 0.59 to \$ 0.60; YoY growth of 5.4% to 7.1%

#### *Fiscal year ending March 31, 2011##*

- Consolidated revenues are expected to be in the range of \$ 5.72 billion to \$ 5.81 billion; YoY growth of 19.0% to 21.0%
- Consolidated earnings per American Depositary Share are expected to be in the range of \$ 2.42 to \$ 2.52; YoY growth of 5.2% to 9.6%

*# Exchange rates considered for major global currencies: AUD / USD – 0.86; GBP / USD – 1.50; Euro / USD – 1.23*

*## Excluding the income from sale of our investment in OnMobile Systems, Inc. of US \$ 11 mn in fiscal 2010, the EPS growth is expected to be in the range of 6.1% to 10.5%*

## Expansion of services and significant projects

With insight and experience of three decades, and improved and enhanced portfolio of services and products, we offer greater value to our clients and stakeholders.

## Transformation

We continue to drive transformation for our existing clients; a number of new clients have solicited our help to make their businesses more dynamic and profitable.

A leading aero structures manufacturer engaged our aerospace engineering team to design and develop components for their commercial airplane program. For a global consumer electronics leader, we are re-engineering their global service exchange platform to help meet their growing service needs. A major transformation project we won this quarter was from a large manufacturer of computer systems and provider of related services, in which we are providing business, functional and consulting expertise. A provider of secure electronic payments and credit/debit card processing services engaged us to improve their reporting, monitoring, business intelligence and service. It is also consulting us to analyze and

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recommend process improvements. A leading global chemical company engaged us to define sales requirements and implement a sales force automation package for their North American sales force. A producer of specialist aluminium products sought our services for globally harmonizing business processes and implementing next generation enterprise resource planning software. For a global specialty retailer, we conceptualized and launched a platform that provides a comprehensive view of their competitors' pricing and assortment. We helped a large UK-based retailer revamp its promotions and improve its marketing effectiveness. A European retailer of office automation services consulted us to harmonize their processes and consolidate applications across Europe. A major transformational project won this quarter was from a leading European pipeline engineering company for whom we have implemented an enterprise resource planning system across 32 countries.

## Operations

Our expertise in manufacturing and operations helped us win a deal with a global telecom company. We will run the client's quality and business compliance operations, helping it to offer competitive new products in emerging markets. A European telecom major chose us to design, develop, deploy and maintain an agent desktop application. Among the clients who opted for our product lifecycle management services are a leading oilfield service company and an agri-business major. For a global internet services company, we will develop and maintain a new content management product. A global financial services company selected us to develop a platform for merchants worldwide to deliver card members offers through multiple channels. An investment management company partnered us to implement a new commission system for its wholesale brokers to develop scale and reduce time to market. We managed the North American customer relationship management applications for a manufacturer of automobiles and motorcycles. Another automobile manufacturer selected us as a key partner for development projects in their strategic order management and distribution portfolio. We are implementing a centralized loyalty management system with real time access for a leading retail company. We were instrumental in implementing a single multi-channel order management platform for a reputed British retailer. Our retail solutions team was selected as the single strategic vendor for application services for a North American apparel retailer. We also developed a web property for the B2C online sales for another specialty retailer.

## Innovation

We have won major strategic projects this quarter on our strength and ability to innovate products and processes.

A European telecom giant chose us to develop their next generation set top box platform to offer consumers high-definition content and a host of other services. For a large global retailer, we are creating rich mobile applications, with an aim to enhance the shopping experience for their customers. An aircraft manufacturer chose us as their partner to design a new aircraft development program.

"The volatile currency environment is a concern for the industry," said V. Balakrishnan, Chief Financial Officer. "Our flexible financial and operating model enables us to prioritize our investments and focus on high quality growth even in this tough environment."

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### ***Open Text to Report Fourth Quarter and Fiscal Year-End 2010 Financial Results on Wednesday, August 18, 2010***

15 July 2010

Open Text™ Corporation announced that financial results for its fourth quarter and fiscal year-end 2010 will be released on Wednesday, August 18, 2010 at approximately 4:00 p.m. ET.

#### **Teleconference Call**

Open Text will host a conference call on August 18, 2010 at 5:00 p.m. ET to discuss its final financial results.

**Date:** Wednesday, August 18, 2010

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

**Length:** 60 minutes

**Where:** 416-644-3414

800-814-4859 (Toll Free)

Investors should dial in approximately 10 minutes before the teleconference is scheduled to begin. A replay of the call will be available beginning August 18, 2010 at 7:00 p.m. ET through 11:59 p.m. on September 1, 2010 and can be accessed by dialing 416-640-1917 and using passcode 4325575 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/2/investors/ir-events.htm>.

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### ***PTC to Announce Fiscal Q3 Results on Tuesday, July 27th and Host Conference Call on Wednesday, July 28th at 8:30 am ET***

14 July 2010

PTC announced that it will release its fiscal 2010 third quarter results on Tuesday, July 27th after the stock market closes. Senior management will host a live webcast and conference call to review the results on Wednesday, July 28th at 8:30 am Eastern Time. The earnings press release and accompanying prepared remarks will be accessible prior to the conference call and webcast on the Investor Relations section of the Company's web site at <http://www.ptc.com>.

**What:** PTC Fiscal Q3 Conference Call and Webcast

**When:** Wednesday, July 28th, 2010 at 8:30 am (ET)

#### **Dial-in:**

1-888-566-8560 or 1-517-623-4768

**Call Leader:** Richard Harrison

**Passcode:** PTC

**Webcast:** <http://www.ptc.com/for/investors.htm>

**Replay:** The audio replay of this event will be archived for public replay until 4:00 pm (CT) on August 2, 2010 at 1-866-515-1617 or 203-369-2026. To access the replay via webcast, please visit <http://www.ptc.com/for/investors.htm>.

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## Implementation Investments

### *Bravo Sports Implements Centric PLM to Strengthen Global Product Development*

13 July 2010

Recreational and sporting goods market leader [Bravo Sports](#) has implemented Centric 8 product lifecycle management (PLM) from Centric Software to power the increasingly diverse and expansive product development initiatives of its global business.

As Bravo Sports planned to bring a Shanghai, China, office online, the company recognized the need to find an advanced enterprise PLM system to support the increasing complexity of its global business, says Drew Brassard, CIO and senior vice president of operations at Bravo Sports. "It was important for us to find a PLM software provider that understands the consumer goods industry," he explains.

#### **Rapid implementation - four international locations, four months**

"The configuration flexibility of Centric's PLM system, coupled with Centric team's industry expertise and deployment methodology, allowed us to implement, train and deploy the solution to our four global locations within four months," says Brassard. The four locations are Massachusetts and California in the United States, Italy and China. Brassard adds, "We could focus immediately on critical implementation decisions rather than explaining and training Centric on our business."

Before selecting Centric, Bravo Sports evaluated a number of PLM products. "Other PLM systems didn't have the flexibility to allow us to describe and organize the product beyond engineering drawings," says Brassard. "Centric provides additional capabilities we need, including sourcing, landed-cost calculation, product pricing and margin analysis. We were looking for more than a product specification database, and Centric has proved to be the right decision."

#### **Rapid benefits**

Bravo Sports has realized "immediate benefits," according to Brassard. "Enhanced collaboration between our global product development teams means improved cross-functional visibility into product information and costs. Also, our entire sales force is now using Centric to manage and analyze sales pricing and margins. Bravo Sports is leveraging Centric 8 globally, on Apples and PCs, without performance issues," adds Brassard.

"Centric 8 was designed to meet the unique product development, sourcing and line planning needs of companies like Bravo Sports that make hard lines, soft lines or both in the fashion and consumer goods industries," says Chris Groves, president and CEO of [Centric](#). "Equally important, Centric PLM is designed to provide a rapid return on investment by delivering an easy-to-use, highly functional solution through a modular approach that helps customers like Bravo Sports target and address one problem, realize benefits, and rapidly move on to attack the next problem. Centric is proud to help Bravo Sports as the company steps up to meet its growth challenges and changing infrastructure requirements."

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## ***Cadence QRC Extraction Adopted by STMicroelectronics for 40nm Analog/Mixed-Signal Design***

15 July 2010

Cadence Design Systems, Inc. announced that STMicroelectronics, a global leader in integrated circuits for communications, consumer, computer, automotive and industrial applications, has standardized on [Cadence® QRC Extraction](#) for their 40-nanometer custom/analog designs. A key component of the Cadence digital and analog/mixed signal design flow, QRC Extraction enables faster turnaround time, scalability through its multi-core backplane, increased accuracy to silicon and capabilities to address the needs for advanced layout parasitic extraction in leading-edge technology node design.

As process geometries continue to shrink beyond 40nm, it becomes imperative for parasitic extraction to understand and accurately model and predict the impact of substrate, inductance and mutual inductance on the performance of a chip. Along with feature-rich advancements in process modeling and integration with the Virtuoso Custom® IC and Encounter® Digital Implementation Platforms, QRC is the tool that provides a seamless single parasitic solution for digital, custom, RF, memory, analog, mixed-signal and substrate extraction. STMicroelectronics' customers and design centers easily realized the differentiated productivity and silicon predictability benefits.

"We evaluated Cadence QRC Extraction and found it competitive to be included in our 40LP analog/RF mixed-signal/digital signoff design flow. Our customers and designers are bound to benefit from its adoption in terms of higher design performance," said Vincent Varo, CMOS and Derivative PDK Manager, Technology R&D, STMicroelectronics. "Our evaluation confirmed that QRC Extraction is able to manage the complexity of advanced 40nm effects with suitable model accuracy, besides its seamless integration with the Cadence Virtuoso and Encounter design environments."

To qualify for the ST extraction flow, QRC Extraction passed a rigorous evaluation involving multiple designs and dozens of criteria. With the successful conclusion of this evaluation, QRC Extraction technology was qualified to be a part of the 40LP methodology widely deployed to ST's design centers developing large-scale, complex digital and analog designs.

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## ***Contour Premium Aircraft Seating Reaps the Benefits of HyperWorks Enterprise Simulation Suite to Reduce Development Costs and Drive Innovation***

15 July 2010

Altair Engineering, Inc. announced that aircraft business and first class seating manufacturer, Contour Premium Aircraft Seating, has successfully applied the HyperWorks enterprise simulation suite to deliver passenger comfort solutions. Contour takes full advantage of the breadth of solutions offered through HyperWorks computer aided engineering (CAE) suite including: HyperMesh and HyperView for finite element (FE) pre- and post-processing, OptiStruct for structural optimization, and MotionView and MotionSolve for multi-body dynamics simulation. HyperWorks has helped enable the company to create innovative, lightweight seating solutions for their global aircraft carrier customers allowing them to stay ahead of their competitors in a highly competitive market.

"Having prior career experience with HyperWorks, when I moved to Contour to help improve their finite element analysis (FEA) capabilities, it was a natural choice to recommend the CAE suite," said Huw Jones, senior stress engineer for Contour Premium Aircraft Seating. "We started off using HyperMesh for pre-processing tasks. After realizing the model building efficiencies gained from the

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software, we expanded its use considerably. HyperMesh is the quickest and most flexible FE pre-processor that we've ever used; in fact one of our engineers who had over 10 years experience with an alternate solution was able to complete model creation tasks significantly quicker in HyperMesh and that's including the training period."

The volatile nature of fuel prices has forced the aerospace industry to make weight a high priority focus. With every kilogram of weight contributing to the running costs of an aircraft to the carrier, minimizing weight throughout Contour's product line is vital to their position as a value-added, preferred aircraft seating supplier. HyperWorks' optimization technology has been deployed by Contour to meet these challenges and enhance their development process.

"The weight reduction exercise for first class seating we deal with can be extremely challenging due to the integration of numerous items of equipment that ensures a premium and comfortable seating environment," continued Jones. "To deal with these issues more efficiently we adopted the HyperWorks optimization technology, in particular OptiStruct, for all topology and gauge optimization projects. We use the technology on component level sub-models to reduce the overall seating system weight, and by using OptiStruct we can ensure the optimized design solution suits all load cases."

"The combination of pre- and post-processing, optimization and multi-body dynamics solutions within [HyperWorks](#), has also allowed us to significantly reduce our physical testing during the certification process and perform more design iterations," he adds. "The cost of a single first class or business class seat is very significant so minimizing the need to physically build and crash test the products is vital. Virtual design technology allows us to cut this cost significantly with the initial investment for HyperWorks having already paid for itself."

"I am pleased to see [Contour](#) Premium Aircraft Seating fully maximizing the power of the HyperWorks enterprise suite," said David Mason, managing director, Altair UK. "Its deployment has ensured that each passenger aircraft seating solution the company provides is first class and meets or even exceeds the requirements of their customers. The focus on fuel and energy saving within the aerospace market has forced suppliers to make optimization a core part of the development cycle and HyperWorks has proven to be the tool to deliver."

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## ***CYFAC® Acquires CATIA PLM Express to Reinforce High-end Status***

1 June 2010

Cyfac® International, builder of custom bicycle frames for more than 25 years, announced the signing of a contract with Keonys®, Europe's number one reseller of Dassault Systèmes Product Lifecycle Management (PLM) products, most notably the CATIA PLM Express solution.

"Using CATIA PLM Express to model future projects will not only enable us to completely optimize the technical and mechanical characteristics of our new frames right from the very first digital drafts, but will also allow us to anticipate all requirements from the production side in keeping with our unique manufacturing methods. We will be able to build a truly collaborative engineering process with our different partners, whether they are machinists, composite tube manufacturers, or graphic designers" states Aymeric Le Brun, managing director of Cyfac International.

"We are entering a new phase in the production of custom high-performance frames that will satisfy our clients' needs and desires whether they are professional partners or individual riders. Additionally, the

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integration of Fabien Deweerdt, an Arts & Métiers engineer, to the Cyfac International team enables our brand to continue the in-house development of high-tech frames using the latest technologies and via a configuration that is adapted to our special manufacturing requirements. I'd really like to thank Keonys for their partnership in laying the groundwork for this project", continues Mr. Le Brun.

"Cyfac once again shifts gear. CATIA PLM Express is specifically designed for small and mid-sized companies : affordable, easy-to-use, and flexible this solution allows our clients to accelerate the development and completion of their projects and their products, to reduce deployment delays, and to improve their return on investment." adds Bruno Puechoultres, Vice President of Keonys.

The first fruits of this acquisition will reach the market starting in 2011. Cyfac bicycles and anthropometric tools for the Cyfac Postural System® developed via these solutions, will feature the Keonys and Dassault Systèmes logos.

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## ***Delcam's DentMILL Supports Rapid Growth at Dental Milling Centre***

12 July 2010

The high level of flexibility in [Delcam](#)'s DentMILL dental machining software, plus the customer service from Delcam staff, has helped the Issaquah Milling Center maintain its rapid growth in the face of increasing competition.

The IMC was formed by the Issaquah Dental Lab in Issaquah, near Seattle, Washington, so that it could gain control over its manufacturing. Until then, the organisation had, like many other labs, installed an in-house scanner to collect data from its patients and sent its coping designs out via the Internet to have them fabricated.

Dental products are one of the hottest markets for the CAD/CAM and healthcare industries but this brings challenges as well as opportunities according to Jay Haines, manager of IMC. "Everybody's seen that this is a very successful segment and they're jumping on the bandwagon," he said. "We continue to research every avenue of new technology as part of our commitment to keep one step ahead. This has included looking at every CAD/CAM system that has come onto the market. With DentMILL, Delcam offered me the most flexibility and the best customer service when I was looking for potential machining packages."

"We make a variety of substructures for crowns and bridges for the dental industry," added Mr. Haines. "DentMILL seemed to provide the best combination of user interaction and user interface to do essentially what my business needed to do."

One of IMC's favourite aspects of DentMILL is the engraving feature. "We have many parts coming to us that are defined elsewhere," explained Mr. Haines. "If a remote lab has scanned a part, it could be a nightmare to manage getting the correct parts to the correct customer. With DentMILL, I can engrave a mark that represents a particular lab on every individual part. It doesn't show or harm the integrity of the part in any way. I can look at it under the microscope and make sure my customers are happy because they're getting their parts and not somebody else's. I haven't seen any other dental CAM product that has this engraving feature."

Mr. Haines and his team have developed their own software solutions to integrate with DentMILL as part of their custom machining strategies. That has helped IMC to grow over the past seven years from one 3M Lava Zirconia milling machine to ten, and they've also added a Wieland i-mes machine.

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Despite this dramatic growth, Mr. Haines says that his life has become easier since adding the Delcam software. “The technical support is great,” he reported. “That makes it simpler for me to do my job because I don’t have to think about who to call. I always get what I want when I need it.”

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## ***Delcam’s PowerMILL Helps When Going It Alone***

16 July 2010

Leaving a secure job to set up your own business is always an uncertain move but one that was made easier for Dusan Micic by having software and support from his local [Delcam](#) office. Mr. Micic established Redrox in Mississauga, Ontario, during 2007. His 2,500 square foot facility houses a five-axis DMG DMU 60 and a three-axis HAAS VF5, both programmed using Delcam’s PowerMILL CAM system. His success in machining aerospace parts from titanium and other challenging materials is detailed on Delcam TV at <http://www.delcam.tv/delcam-video.asp?VideoId=42>.

Selecting the right CAM system to meet the demands of the new business was not a difficult search. Mr. Micic had previously used PowerMILL while working as a programmer at Reil Industrial, a well-established aerospace manufacturer that focuses on airframe and avionics components.

In just a short time, Mr. Micic has made quite a reputation for Redrox among his aerospace and military customers. “We do a lot of very difficult-to-machine parts with incredibly tight tolerances,” he explained. “In order to meet these very strict demands and the high quality standards of my customers, I need to know that everything I am using is really reliable. PowerMILL gives me the tools and the confidence to do each job right the first time.”

Being the owner, operator, programmer and machinist, Mr. Micic can’t accommodate any failures in his equipment. “PowerMILL helps greatly to achieve all my customers’ requirements from drawings to finish machining,” he commented. “When you have very complex parts, it is a great help to see everything, right down to the smallest details, on the computer screen before passing the programs to the machine.”

Much of the work that Redrox does comes from aerospace suppliers in the area. “I have a great relationship with my customers so I need to make sure their deadlines are met,” explained Mr. Micic. “Being a small company, I can’t afford to wait for technical support for that day’s job. With Delcam, when I need support, I get it. This has helped me out tremendously.”

“Delcam staff has even come to my shop to show me some new and unique ways of using different toolpath strategies to speed up my machining time,” he added. “The software is constantly being developed. Each new version has helped me to expand my capabilities.”

“Looking back, starting my own company was a huge decision but going with PowerMILL for all my programming was easy, especially with the help of the Delcam staff,” concluded Mr. Micic.

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## ***EADS Innovation Works Selects MSC.Software CAE Solutions for the Deployment of the PLM Harmonization Project called PHENIX***

13 July 2010

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MSC.Software, a leader in [multidiscipline simulation](#) solutions that accelerate product innovation, announced that [EADS](#) Innovation Works will switch to the Enterprise Advantage License Unit (EALU) licensing system and will use MD Nastran as shared solver within their group-wide deployment of PHENIX (PLM Harmonization for Enhanced Integration and Excellence). The decision to use the Computer Aided Engineering (CAE) products from MSC.Software is due to a strong partnership agreement with EADS signed in 2008.

PHENIX was launched in 2007 with the goal of harmonizing and standardizing methods, processes and tools associated with PLM (Product Lifecycle Management) across all divisions of the company. EADS intends to use the unified PLM software to tighten workflows, launch products faster in the future, and lower production costs. The transnational EADS Innovation Works Research Center developed and implemented a CAE simulation policy together with the EADS divisions in the PHENIX Simulation Task Force. MSC.Software's Enterprise Advantage License Unit (EALU) and [MD Nastran](#) were selected for the greatest possible flexibility and versatility of applications, and the standardization of software tools. The use of SimXpert as a pre- and post-processing tool is currently being tested.

"MSC.Software's flexible licensing system which gives us access to MD Nastran as universal solver provides crucial building blocks on the road towards improving global cooperation within the PHENIX initiative," says Dr. Peter Middendorf, Head of Structure Integration & Mechanical Systems at EADS Innovation Works. "We regard MSC.Software as a competent partner, whose solutions do justice to the rigorous demands of our highly innovative industry."

"We are extremely pleased that our partnership with EADS Innovation Works continues to intensify through the strategic choice of MSC.Software products," said Dominic Gallelo, President & CEO of MSC.Software. "We are confident that our products and best-in-class CAE technical and engineering expertise can actively support EADS in making the PHENIX initiative a success. We also believe that the industry leading simulations of real world behaviors made possible by MD Nastran will not only provide significant value to EADS but also for a broad range of industries globally."

**Enterprise Advantage License Unit (EALU)** is a flexible, parallel licensing system provided by MSC.Software. EALU allows access through a license pool to over 100 solutions from the product portfolio of MSC.Software. At the core of EALU is MD Nastran. It is also possible to access other engineering products, such as MSC Nastran, Patran, Marc, [MD Adams](#), Dytran, and Easy5. MD Nastran combines MSC Nastran, Marc, Dytran and LS-Dyna into a completely integrated, multidiscipline solution providing linear, implicit, and explicit non-linear calculations within a single unified platform.

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## ***Environmental Business Cluster and Autodesk Partner to Support Clean Technology***

13 July 2010

[Autodesk, Inc.](#) and the Environmental Business Cluster (EBC) have forged an industry partnership to offer benefits of the [Autodesk Clean Tech Partner Program](#) to the EBC community so companies can innovate and commercialize their ideas more quickly.

EBC is an award-winning clean tech incubator in Silicon Valley that provides commercialization support and facilities for emerging clean energy and environmental technology companies. The Autodesk Clean Tech Partner Program provides [Digital Prototyping](#) software to clean technology companies to enable them to digitally design, visualize and simulate the real-world performance of

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products before they are built. Creation of digital prototypes can serve as a catalyst to help participants secure financing and effectively market their ideas.

With this partnership, Autodesk will offer a clean tech software starter package and a series of exclusive events to qualifying EBC companies, community members and subscribers. Applicants from emerging clean tech companies can receive [Autodesk Inventor Professional](#), [Autodesk Showcase Professional](#) and [Autodesk Vault Professional](#) software, which help reduce the number of costly physical prototypes in the design-to-manufacture process. Once an EBC company enters the Autodesk program, Autodesk reseller KETIV Technologies works to assess any additional products offered in the Autodesk Clean Tech Partner Program that may be required to fit each company's specific needs. KETIV is also available to provide cost-effective services and training to support a successful implementation.

"The EBC has helped more than 175 businesses along their path to commercialization," said Melinda Richter, Executive Director of the Environmental Business Cluster. "The Autodesk Clean Tech Partner Program is a unique and cost-effective new way for our community to jump-start new product development and better market product ideas for competitive advantage."

"It is a natural fit for us to partner with one of the world's top 10 clean tech clusters that is driving economic development and clean energy innovation in Silicon Valley," said Lynelle Cameron, director of Sustainability at Autodesk. "We're looking forward to extending Autodesk Clean Tech Partner Program benefits to EBC affiliates and entrepreneurs to help them overcome challenges such as limited capital, time-to-market pressures and effectively communicating their ideas to stakeholders."

Several Autodesk Clean Tech partners are existing EBC members or graduates such as Alphabet Energy, Micromidas, SunPods and tru2earth. "Autodesk's assistance and commitment to tru2earth has been incalculable," said Brian Pierson, CEO of tru2earth. "Autodesk Inventor and Autodesk Showcase software have accelerated the tru2earth Life Cycle Roof by at least one year and will be key to our success."

## **About the Clean Tech Partner Program**

The Autodesk Clean Tech Partner Program provides software to early-stage clean technology companies to help them innovate more rapidly and get to market faster and at lower cost. Each Autodesk Clean Tech partner receives up to \$150,000 of design software, including up to five licenses each of AutoCAD Inventor Professional Suite, Autodesk Showcase Professional, Autodesk Vault Professional, Autodesk Navisworks Manage, Autodesk Revit Architecture and Autodesk Alias Design software. For more information, visit <http://www.autodesk.com/cleantech>.

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## ***Epson Expands Use of PTC CoCreate To Large Format Printers***

12 July 2010

PTC announced that Seiko Epson Corporation ("[Epson](#)"), a leading global manufacturer of information-related equipment, electronic devices and precision products, has expanded the use of [CoCreate®](#) to the development of its large format printers (LFPs), including its newest models, the Epson Stylus Pro 9700 and 7700 high-speed, large-format, 4-color inkjet printers. CoCreate, PTC's explicit modeling 3D CAD, CAE and PDM software, is the world's first and most robust explicit modeling solution.

Having originally implemented CoCreate for design in its consumer inkjet printer division, Epson also

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now uses CoCreate to design and develop all its large-size enterprise printers. Using CoCreate across divisions allows for greater design flexibility and efficiency. Existing designs are quickly and easily modified to meet tight development schedules and bring products to market fast. Their product is well suited for the explicit modeling approach of CoCreate, allowing designers to directly modify model geometry, leading to significantly shorter development cycles, improved productivity and reduced costs. The new Epson Stylus Pro 9700/ 7700 printers were designed in just 12 weeks.

Epson uses [CoCreate Model Manager](#)<sup>™</sup> for product data management in team projects. Before implementing CoCreate Model Manager, each engineer stored his or her own design and part data, either locally or on a server, making it difficult for the team to know which versions were current. Now, current design data is shared with the entire product development team across all products, which virtually eliminates risk of error and significantly improves process efficiency.

"Creating and modifying our 3D CAD data with CoCreate provides us the flexibility and speed that is essential to the success of our daily product development process," said Kiyoto Komuro, director, Epson LFP Planning Design Department. "CoCreate is so easy to learn that new designers need very little formal training, enabling them to become productive very quickly. This flexibility vastly improves our speed. No doubt, CoCreate will play an increasingly important role in the design of unique products that must be brought to market quickly."

"To be successful in the fast-paced electronics and high tech industry, companies need to be able to deliver products to market in the shortest time frame possible without compromising quality. We are very happy to see PTC solutions being used for the development of the Epson printers," said Justin Teague, General Manager, CoCreate Business, PTC. "By using CoCreate, Epson has been able to increase the efficiency of its design team and significantly reduce the length of its design cycle, helping the company to achieve its objectives and improve its competitive advantage."

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## ***Leading Diabetes Management Company, Insulet Corporation, Goes Live with Pilgrim Software's On-Demand CAPA Management***

15 July 2010

[Pilgrim Software, Inc.](#), a global provider of Enterprise [Risk](#), [Compliance](#) and [Quality](#) Management (ERCQM) software solutions, announced that Insulet Corporation, a Massachusetts-based medical device company, has gone live with [Pilgrim's On-Demand "SaaS"](#) delivery of its automated management solution for [Corrective and Preventive Action \(CAPA\) management](#).

[Insulet](#) has implemented a quality system solution for Events Management powered by Pilgrim's CAPA management solution. This key software system is hosted by [Pilgrim's SAS 70-certified on-demand platform](#). Insulet is using the system across its manufacturing operations to effectively manage manufacturing issues as it continues to experience rapid growth on a global scale.

In addition, Insulet is engaging Pilgrim Software's Business Intelligence tools, [SmartInsight](#), for generating business user-centric compliance and quality management reports, and Pilgrim's [SmartPulse](#) to keep a 'pulse point' on Insulet's quality and compliance KPIs through performance measurement.

"As demand continues to grow for Insulet's innovative product, the OmniPod Insulin Management System, our reporting capabilities need to grow with us," said Ruthann DePietro, Insulet's Vice President of Quality & Regulatory Affairs. "Visibility into our manufacturing operations is critical. The

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flexibility and real-time visibility provided by Pilgrim's Business Intelligence tools enable us to identify potential issues early on and maintain high quality amidst rapid growth."

"The CAPA solution, in tandem with the robust reporting capabilities Pilgrim provides, ensure and help maintain Insulet's operational compliance and high-quality products," said Prashanth Rajendran, Pilgrim's Chief Operating Officer. "Further, engaging those integrated solutions on-demand provides Insulet with a distinct advantage."

Compared to traditional software implementation models, Pilgrim On-Demand involves a lower total cost of ownership, reduced overhead, a high degree of scalability, increased accessibility, improved collaborative productivity, easier implementation, and improved security with optimal performance.

With no client software involvement, the 100% browser-based SmartSolve solution allows for information sharing and collaborative productivity for managing the key quality and compliance processes. Furthermore, advanced built-in security features protect customers' intellectual property.

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## ***Maharishi's Production Arm, Maestro Engineering (P) Ltd. Rolls out WFX***

15 July 2010

Delhi based Maestro Fashions (Maestro Engg. Pvt. Ltd.) is the manufacturing partner of one of the UK's most influential designer labels; Maharishi. Maestro Fashions and Maharishi offer men's, women's and children's collections available from exclusive fashion retailers worldwide. They place importance on excellent quality, perfect fit and original design and have had their designs worn by Kanye West along with other big stars.

In order to communicate with its worldwide partners, Maestro Fashions has signed on to [WFX](#) Web ERP On-Demand. Investing in a business solution will allow them to continue producing quality garments more efficiently and with fewer errors in the production process. WFX's time and action calendar insures designation of tasks with scheduled reminders and alerts, a fully web based approach to product development where all UK based design teams can communicate design changes with the manufacturer, and daily, weekly, monthly reports to assess the improvement in efficiency among other features.

"We are very conscious of maintaining quality and fit of our garments as we expand and produce more. After evaluating many solution providers, we found WFX provides the most functional and easy to use tools." Rajesh Sinha, Maestro Engineering.

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## ***Mentor Graphics Signs Exclusive Global Agreement with Automotive Supplier Magneti Marelli***

13 July 2010

[Mentor Graphics Corporation](#) announced the signing of an exclusive, worldwide agreement with automotive electronics systems and components provider, Magneti Marelli. Valor, a division of Mentor and a global provider of productivity improvement software across the printed circuit board manufacturing supply chain, will supply its vManage™ solutions for traceability of the entire production process, from the screen printer to the Surface Mount Technology (SMT) component placement machine at the company's multiple global locations. The agreement is the culmination of a partnership

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which, eighteen months ago, saw Magneti Marelli decide to expand its Valor® vManage installations for assembly traceability and feeder verification worldwide, including manufacturing sites in Italy, Spain, and Mexico.

The Valor vManage software enables Magneti Marelli to achieve full traceability and visibility of materials and manufacturing processes on its multiple-vendor SMT assembly lines. The vManage product will also help the company eliminate feeder errors due to its advanced feeder verification functionality.

“Valor’s software solution has more than proven itself over the past few years, not only with the great value it offers in terms of traceability and quality, but also in the vast efficiency improvements this tool offers,” stated Marco Ausenda, Director of Technology and Standardization at Magneti Marelli. “This agreement will enable us to standardize our process worldwide, so that each of our facilities can take advantage of its many benefits.”

The vManage product provides a complete shop floor control and material management solution that is a key component of the Valor MSS (Manufacturing Systems Solutions) suite. The vManage solution is used by leading electronics manufacturers as the single platform which collects accurate real-time machine performance data from all major equipment vendors and provides complete visibility and control over every aspect of the manufacturing operation, from SMT lines to final system assembly.

“This partnership has been extremely beneficial to both companies and we are delighted that it has now resulted in an exclusive agreement with Magneti Marelli,” said Stephan Häfele, President of the Valor Europe division of Mentor Graphics. “vManage enables Magneti Marelli to comply with the special requirements for the automotive industry, and I am certain that it will continue to be a valuable software solution by helping them to remain competitive.”

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## ***SVTC Technologies Selects Synopsys' Manufacturing Tools to Accelerate Time to Commercialization***

13 July 2010

[Synopsys, Inc.](#) announced that SVTC Technologies, a leading commercialization service provider for new, emerging silicon-based technologies, has chosen Synopsys' manufacturing tool suite to enable its customers to reduce time-to-market for a wide variety of innovative products using CMOS processes, MEMS, photovoltaics and other related nanotechnologies.

SVTC offers its customers access to facilities, equipment and services to perform the development, manufacturing and analytical activities required to bring new products to market. By pooling resources and expertise, SVTC provides its customers with a cost-effective method to create new products. At SVTC facilities, SVTC engineers and customers have access to Synopsys' industry-leading TCAD, mask and yield management tools, which allows them to confidently optimize their products and quickly ramp them to production yields.

"Our customers choose SVTC because of our ability to provide the services and facilities that accelerate the time to commercialize innovative technologies for transistors, logic, MEMS/MOEMS, photovoltaics, biotechnology, image sensors and high-voltage applications," said Wilbur Catabay, vice president technologies, SVTC Technologies. "We selected Synopsys' manufacturing solution not only because it can handle the wide variety of processes that we support in a hosted model, but also because Synopsys provides a comprehensive design and verification platform that allows our customers to generate SPICE

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models and process development kits (PDKs) and productize their ideas."

"We work with SVTC to help customers develop and bring to market products that not only use CMOS processes, but also MEMS, solar and other 'More-than-Moore' technologies," said Howard Ko, general manager and senior vice president of the Silicon Engineering Group at Synopsys. "Collaborating with companies like [SVTC](#) allows us to advance our technology to meet the needs of our leading-edge customers."

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## ***Transcal Suntech Internasional Chooses OptiTex as Provider of its CAD Solutions***

1 July 2010

Automatic aircraft and seat cover manufacturing company Transcal Suntech Internasional, PT has chosen OptiTex as their provider of CAD solutions. The sale was managed through MY I-TECH, who provides CAD-CAM systems for the Apparel and Textile industries, servicing customers all over South East Asia, India and Australia.

Transcal Suntech Internasional, PT who manufactures components for automotive and aircraft seat covers for clients such as Qantas, Air France, Swiss Air and British Airways, chose OptiTex as their software of choice because of the easy transition the software offers when incorporated into daily use, allowing Transcal to create a virtual world when testing manufacturing designs.

[OptiTex](#) also provides the ability for Transcal to easily import customer styles that were created with other CAD systems such as Lectra and Gerber. OptiTex software directly exports to Transcal's automatic Leather Cutting system supplied by MY I-TECH allowing Transcal to cut and process leather hides that fill production and quality requirements. OptiTex software simplifies the ability to create quality zones that are recommended for saving leather materials in the production process.

On behalf of OptiTex, MY I-TECH provides comprehensive customer support not only for the installation but also the training and the usage of OptiTex software. Additionally, the OptiTex online team service provides timely feedback and direct support from OptiTex when facing software technical difficulties.

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## ***TriVector Services Validates Time Latencies for Ares I Rocket with MathWorks Products***

13 July 2010

[MathWorks](#) announced that [TriVector Services](#) used Model-Based Design to reduce the validation time on design of communication buses for NASA's Ares I rocket by more than one year. TriVector used MathWorks products to create a system model to serve as an executable specification throughout development. The model was used to analyze timing performance and to validate system requirements before committing to hardware, reducing the overall task duration for timing analysis by 60%.

TriVector engineers used [Simulink](#), [Stateflow](#) and [SimEvents](#) to develop system-level models of the Ares I internal communication systems. Simulating these systems allowed engineers to assess end-to-end latencies by tracing each packet from its source to its destination to verify that it was delivered within the time frame required. The team then used [MATLAB](#) to post process the simulation results, to create plots of packet latency, and to visualize and communicate results. The team has completed the

initial timing analysis for more than a dozen communications buses in the First and Upper Stages of Ares I.

The ability to model and test the system through simulation prior to hardware development has reduced verification time by over a year. The simulation-based approach also allowed errors to be caught that would have been much more difficult to discover using traditional spreadsheet-based approaches.

“Our SimEvents model for Ares I tracks delivery time for approximately 20,000 packets per second across multiple buses, enabling us to validate requirements and identify issues with the timing requirements prior to hardware design,” said Kerry Alexander at TriVector Services. “Model-Based Design helped us model the system based solely on requirements and graphically represent the analysis results to prove that timing requirements could be met.”

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## ***Wilson Sporting Goods Co. Teams with CD-adapco for Advanced Aerodynamics Simulation of Championship Soccer Balls***

13 July 2010

Wilson is taking its soccer balls to the next level in aerodynamics research using CD-adapco's STAR-CCM+ software on Windows HPC Server 2008.

While the attention of the world focused on soccer balls (or footballs if you prefer) this summer, Wilson continues to drive technical innovation in the design of their sports balls by teaming with CD-adapco to redefine state-of-the-art computer simulation of soccer ball aerodynamics. During preparations and all the way through the final match of this year's World Cup, FIFA fielded complaints from many players concerned with uncontrollable speed and/or unpredictable flight behavior of the official match ball which was developed and manufactured by the tournament's primary corporate sponsor [not Wilson].

The primary objective of this partnership is to ensure that Wilson maintains its competitive edge in the technical design of its products with a focus on ball aerodynamics. “Wilson has long realized the importance of aerodynamics in the design of reliable and high performance golf balls, footballs, soccer balls, basketballs, and baseballs,” said Doug Guenther, Wilson Sporting Goods Co., Vice President of Research and Development. “Several factors lead to the choice of CD-adapco and STAR-CCM+,” stated Guenther. “The ability of STAR-CCM+ to accurately and efficiently solve unsteady flows with boundary layer transition was certainly a key technical factor, but equally important is the support and flexibility offered by CD-adapco. Their dedicated support model and Power-on-Demand offering is an ideal solution for our needs.”

The complexities with computational simulation to analyze the flow around soccer balls are well documented. In the past, most computational fluid dynamics (CFD) studies were limited to fundamental models. This was accomplished by simplifying the details in the shape of the ball and ultimately reducing the actual flow physics involved. These simplifications eventually led to inaccurate results, forcing ball designers to perform expensive and time consuming wind tunnel tests. STAR-CCM+ is CD-adapco's flagship software product which allows engineers to accurately and efficiently simulate aerodynamics (and other types of fluid flow) of any level of complexity using CFD.

Using STAR-CCM+ allows Wilson to easily model the genuine shape of the ball including details such as the panels, seams and stitches. This is imperative because these geometric details affect the transition of the airflow from laminar to turbulent flow, and this is the critical element to accurately predicting the

aerodynamic drag and stability of the ball. The initial phases of the project were executed using Power-on-Demand with computer clusters running Windows HPC Server 2008.

The Power-on-Demand offering from CD-adapco enables Wilson to take advantage of cloud computing when executing the STAR-CCM+ simulations. "Cloud computing is a fantastic cost-effective solution for Wilson, and our Power-on-Demand offering makes it easy to use STAR-CCM+ on the cloud." said David L. Vaughn, VP Worldwide Marketing for CD-adapco. Vaughn continued, "We are proud to partner with Wilson, not only because of their renowned history of quality products, but because of their innovative vision that includes applying technology to continue providing the best equipment to the world of sports."

Wilson and CD-adapco intend to follow the success of this project with studies focusing on other Wilson Sport categories, including American Footballs.

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## Industry-Wide News

### *EDA Consortium Reports Revenue Increase for Q1 2010*

13 July 2010

The EDA Consortium (EDAC) Market Statistics Service (MSS) announced that the Electronic Design Automation (EDA) industry revenue for Q1 2010 was \$1247 million, a 4.6 percent increase compared to \$1192.1 million in Q1 2009. Sequential EDA revenue declined 1.2 percent, while over the last four quarters it declined 5.9 percent.

"Led by increases in the CAE and Semiconductor IP categories, the EDAC revenue numbers show an increase over Q1 2009," said Wally Rhines, EDAC chair and chairman and CEO of Mentor Graphics. "Geographically, the Asia/Pacific region showed growth both year to year and quarter over quarter."

Companies that were tracked employed 26,099 professionals in Q1 2010, up 0.4 percent compared to Q4 2009, but down 1.7 percent from the 26,561 employed in Q1 2009.

The complete MSS report, containing detailed revenue information broken out by both categories and geographic regions, is available via subscription from the EDA Consortium.

#### **Revenue by Product Category**

**Computer Aided Engineering (CAE)**, EDA's largest category, generated revenue of \$458.5 million in Q1 2010. This represents a 7.2 percent increase over the same period in 2009. Over the last four quarters, CAE declined 3.5 percent.

**IC Physical Design & Verification** revenue decreased to \$274.4 million in Q1 2010, a 9.2 percent decrease compared to Q1 2009. Over the last four quarters, IC Physical Design & Verification declined 8.3 percent.

**Printed Circuit Board and Multi-Chip Module (PCB & MCM)** revenue decreased 8.8 percent compared to Q1 2009, to \$109.4 million. Over the last four quarters, PCB & MCM decreased 8.9 percent.

**Semiconductor Intellectual Property (SIP)** revenue totaled \$320.9 million in Q1 2010, a 35.8 percent increase compared to Q1 2009. Over the last four quarters, SIP decreased 0.1 percent.

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**Services** revenue was \$83.7 million in Q1 2010, a decrease of 20.7 percent compared to Q1 2009. Over the last four quarters, services decreased 21.7 percent.

## Revenue by Consuming Region

**The Americas**, EDA's largest region, purchased \$492.9 million of EDA products and services in Q1 2010, representing a decrease of 0.2 percent compared to Q1 2009. Over the last four quarters, the Americas were down 5.5 percent.

**Revenue in Europe, the Middle East, and Africa (EMEA)** was up 0.5 percent in Q1 2010 compared to Q1 2009 on revenues of \$224.2 million. Over the last four quarters, EMEA was down 13.1 percent.

First quarter 2010 revenue from **Japan** decreased 5.5 percent to \$250.8 million compared to Q1 2009. Over the last four quarters, Japan decreased 10 percent.

The **Asia/Pacific (APAC)** region increased to \$279.0 million in Q1 2010, a 33.2 percent increase compared to the same quarter in 2009. Over the last four quarters, APAC increased 7.0 percent.

## About the MSS Report

The EDA Consortium Market Statistics Service reports EDA industry revenue data quarterly and is available by annual subscription. Both public and private companies contribute data to the report. Each quarterly report is published approximately three months after quarter close. MSS report data is segmented as follows: revenue type (product licenses and maintenance, services, and SIP), application (CAE, PCB/MCM Layout, and IC Physical Design and Verification), and region (the Americas, Europe Middle East and Africa, Japan, and Asia Pacific), with many subcategories of detail provided. The report also tracks total employment of the reporting companies.

For more information about the EDA Consortium, visit <http://www.edac.org>, or to subscribe to the Market Statistics Service, call (408) 287-3322 or email [mss10@edac.org](mailto:mss10@edac.org).

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## Product News

### *AspenTech Announces Availability of 7.2 Release of aspenONE V7*

13 July 2010

[Aspen Technology, Inc.](#) announced the availability of the 7.2 release of aspenONE software. Building on innovations delivered in aspenONE V7 and best practice input from users, the 7.2 release makes optimizing engineering, manufacturing and supply chain processes faster and easier.

Examples include:

- **Engineering** – addressing the global increase in multibillion dollar “megaprojects,” aspenONE<sup>®</sup> Engineering software includes new economic evaluation functionality that allows large owner-operator and engineering companies to slash the amount of time it takes to produce accurate project estimates by as much as 75%. In addition, integrated economic evaluation is now up to four times faster in Aspen HYSYS<sup>®</sup> and Aspen Plus<sup>®</sup> software.

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- **Manufacturing** – in the face of dynamic market conditions, aspenONE Advanced Process Control allows process manufacturers to sustain performance improvement benefits from advanced process control by reducing the time and effort required to maintain control applications at peak performance.
- **Supply Chain** – as government standards for gasoline blending specifications become more stringent, aspenONE Planning & Scheduling allows refineries to model true physical constraints for better blend optimization. This is a critical step in improving margins and specification quality.
- **Infrastructure** – the new Aspen Reporting Framework™ provides operational intelligence for refineries that enables faster, more profitable decision-making.

The new features are the latest in a series of innovations delivered by aspenONE V7, which sets the standard for best practices in process optimization. For information on these and many other new features and enhancements in the 7.2 release of aspenONE, visit [http://www.aspentech.com/v7/v72\\_enhancements.cfm](http://www.aspentech.com/v7/v72_enhancements.cfm)

## Supporting Quote

*Manolis Kotzabasakis, Senior Vice President, Sales & Strategy, AspenTech*

“Since its initial release in September 2008, over 1,000 AspenTech customers have deployed aspenONE V7 to help improve profitability and achieve operational excellence goals. The 7.2 release incorporates hundreds of best practice ideas from our customer base. Now, it’s easier than ever for process industry companies to optimize engineering, manufacturing and supply chain processes for greater profitability.”

## Supporting Resources

- [About the 7.2 release of aspenONE V7](#)

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## ***Autodesk Brings Proven Plant Design Products Together with Release of Autodesk Plant Design Suite 2011***

14 July 2010

[Autodesk](#), Inc. announced the availability of [Autodesk Plant Design Suite 2011](#), a new software suite for plant designers who need powerful plant design and whole-project review capabilities in a single integrated package. Autodesk Plant Design Suite combines [AutoCAD 2011](#), [AutoCAD P&ID 2011](#), [AutoCAD Plant 3D 2011](#), and [Autodesk Navisworks 2011](#) software to provide a powerful and accessible plant design solution. “Bringing Autodesk’s AutoCAD-based plant design tools together with Autodesk Navisworks in a single package just makes sense for the industry. AutoCAD, AutoCAD P&ID, AutoCAD Plant 3D, and Autodesk Navisworks are all proven products that deliver tremendous power to the plant designer without the overhead and complexity of many competing products. Providing this suite now makes purchasing, licensing, installation, and maintenance easier than ever for our customers,” said Mark Strassman, vice president, Plant Solutions for Autodesk. “With very attractive pricing and built-in utilities to migrate legacy specs and catalogs, we have made it easier for

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users of other AutoCAD-based plant packages to make the switch to Autodesk.”

## **Components of Autodesk Plant Design Suite 2011**

- **AutoCAD 2011** for general design, layout, plot plans, and document generation
- **AutoCAD P&ID 2011** for P&ID creation and editing
- **AutoCAD Plant 3D 2011** for 3D modeling, orthographics, and isometrics
- **Autodesk Navisworks 2011** for cross-platform model aggregation, clash detection, and 3D project review

A true integrated solution, the components of Autodesk Plant Design Suite share common data structures and file formats to provide for smoother user experience and data exchange. AutoCAD 2011, AutoCAD P&ID 2011, and AutoCAD Plant 3D 2011 share a common data foundation that promotes information consistency and accuracy. Autodesk Navisworks has long supported the DWG file format and now has new features that enable seamless design-to-review workflows. The result is a true concept-to-isometric solution that streamlines the setup, creation, and review of plant projects.

## **Leverages New Functionality of 2011 Products**

Beyond the value of an integrated solution, the Autodesk Plant Design Suite 2011 leverages new capabilities and features of the latest 2011 Autodesk product releases. New plant-relevant features include:

### **AutoCAD 2011**

- Point cloud support for up to 2 billion points

### **AutoCAD P&ID 2011**

- Improved first experience for quicker start-up
- Improved multi-user support
- Better editing features and use of standard AutoCAD commands

### **AutoCAD Plant 3D 2011**

- Improved first experience for quicker start-up
- Built-in AutoPLANT<sup>®</sup> spec conversion utility
- New Piping catalog editor and enhanced parts catalogs and libraries
- Improved Pipe routing: center line to pipe, sloped pipe, pipe placement, and editing

### **Autodesk Navisworks 2011**

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- Familiar navigation widgets and navigation bar for ease of use, discoverability, and consistent user experience across Autodesk applications
- Powerful direct-manipulation sectioning tools for exploration of 3D geometry
- Improved interoperability with AutoCAD Plant 3D

## Availability

Autodesk Plant Design Suite 2011 is available in two editions: Autodesk Plant Design Suite 2011 Premium and Autodesk Plant Design Suite 2011 Advanced, which offers broader and more sophisticated capabilities. For more information, and to download trial versions of AutoCAD Plant 3D, AutoCAD P&ID 2011, and Navisworks Manage, please go to <http://www.autodesk.com/plantdesignsuite>

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## ***Avatech Solutions Releases "Avatech Utilities for Revit 2011" With Three New Productivity Tools***

13 July 2010

Avatech Solutions, Inc. recently announced the release of an updated version of its Avatech Utilities for Revit. The new release works with the 2011 version of the Autodesk Revit software platform, and also comprises three completely new productivity-enhancing tools.

"Once again our seasoned development team has contributed value to Autodesk customers around the world," says George Davis, CEO, Avatech Solutions. "We are delighted to bring indispensable tools to the market place to enhance the overall Revit experience. The introduction of three new programs to the 2011 bundle will be of significant benefit to the Revit user."

This package of Revit tools was developed by Avatech's Software Development Group in conjunction with Avatech's respected Revit experts. The tools were specifically designed to save Revit users significant amounts of time by automating repetitive tasks and eliminating manual re-work.

Avatech Utilities for Revit remains a free download for all of Avatech's Autodesk Subscription clients via [Avatech Solutions' Client Portal](#).

## **Three New Revit Tools**

The three new tools in Avatech Utilities for Revit 2011 are:

- ***Element Renumber***, which works with elements such as grids, levels and doors, and enables automatic renumbering
- ***MEP Parameter***, which allows updates across an entire piping or mechanical system, makes quick work of updating such things as insulation thickness, lining thickness, and system type
- ***Parameter Copy***, which enables information to be copied between parameters across the whole Revit model – making a grueling task, easy

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In addition to the new tools, Avatech Utilities for Revit 2011 features updates to Room Renumber, Grid Select, Change Case, Door Mark Update, Revit Content Browser, Space Update, Earth Connector for Revit, and Room Phase Copy.

## **Availability and Pricing**

Avatech Utilities for Revit 2011 is available for download at [www.avatech.com/revitutilities](http://www.avatech.com/revitutilities). Avatech Utilities for Revit Lite remains a free download for all Revit users. Both the Lite and Full versions continue to be a valuable free resource for Avatech's Autodesk Subscription clients. A special promotion of just US\$99 per seat for the Full version of Avatech Utilities for Revit 2011 runs through to July 31st, 2010.

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## ***CAT5Works Now Supports CATIA V5 R20 Bi-directional SolidWorks/CATIA Translator***

7 July 2010

CCE announces the immediate availability of an updated version of its CAT5Works product that supports the latest version of CATIA V5 – Release 20. CAT5Works is a Bi-directional SolidWorks/CATIA data translator, which allows file translation from within SolidWorks.

The recent update enables CAT5Works users to convert CATIA V5 Release 20 parts and product files to SolidWorks data. CAT5Works also converts SolidWorks data to CATIA V5 and V4 compatible files.

CAT5Works does not require a license of CATIA. CAT5Works plug-in has the same look and feel as SolidWorks, and allows SolidWorks users to work directly with CATIA files using one button translation. CAT5Works plug-in is available for both 32-bit and 64-bit platforms, and compatible with SolidWorks versions 2008 through 2010.

For additional information on CAT5Works, please visit <http://www.cadcam-e.com/products/cat5works/>.

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## ***D-Cubed 2D DCM and PGM from Siemens PLM Software Licensed by Planit and Integrated into Cabinet Vision***

14 July 2010

[Siemens PLM Software](#) and Planit Solutions, Inc. a subsidiary of Planit Holdings Ltd, a leading provider of CAD/CAM software products, announced the license and integration of two D-Cubed™ software components into Planit's Cabinet Vision® products.

Planit is using the D-Cubed 2D Dimensional Constraint Manager ([2D DCM](#)), geometric constraint solver, and the D-Cubed Profile Geometry Manager ([PGM](#)), in the core geometry engine that serves as the foundation of its Cabinet Vision product line. The 2D DCM powers the 2D parametric design functionality in a wide range of CAD, CAM and CAE products. The PGM can extend the capabilities of a 2D DCM integration by generating 2D offset profiles and by supporting a range of profile based constraints, such as area and perimeter length, all integrated with the 2D DCM's geometric constraint solving when required.

A key driver in the commercial cabinet making industry is the need to provide the customer with a high level of customization, while manufacturing products cost-effectively, using standard designs and parts

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as much as possible. This translates into a market requirement for specialist CAD software that can automate significant parts of the design process while freeing the user to create the designs they desire. [Planit](#)'s Cabinet Vision, which includes a range of parametric 3D CAD/CAM solutions for woodworking professionals, together with the D-Cubed 2D DCM and PGM components are helping Planit to meet these requirements by combining parametric solving with the comprehensive 2D profile offsetting functions that the PGM provides.

“Within the Planit Group we have used the D-Cubed components in our EdgeCAM, AlphaCAM and Radan product lines to great effect over many years, so we are confident of the high standard of product quality and technical support from Siemens PLM Software,” said Russell Franks, chief technical officer of Planit. “The complementary functionality provided by the D-Cubed PGM was further justification for selecting the 2D DCM. No other option offered such a complete package of technology and quality, backed by the confidence derived from such a long and successful business relationship.”

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## ***Dassault Systemes and EskoArtwork Partner to Streamline Packaging and Label Management***

13 July 2010

[Dassault Systèmes](#) (DS) announced that EskoArtwork, a global supplier and integrator of solutions for packaging, commercial printing and professional publishing, has joined the DS Software Community Program. By combining EskoArtwork's expertise with Dassault Systèmes' long history in 3D and product lifecycle management, the two companies will develop and sell innovative solutions to the Consumer Packaged Goods (CPG) industry to make packaging and label management easier and more efficient. The two companies have also recently engaged with Procter & Gamble, the world's largest consumer goods company, to help develop a new artwork and packaging solution to optimize and simplify their artwork and packaging process.

Dassault Systèmes' ENOVIA V6 CPG Accelerator will be integrated with EskoArtwork's Dynamic Content module for Adobe Illustrator, enabling users to edit and maintain label copy outside of Illustrator. By joining these two solutions, users can now create a single version of the truth, helping them to collaboratively manage all aspects of a label, from language and artwork copy management through to mapping and compliance. Users can auto populate and publish label content directly to Adobe Illustrator, slashing the time required for artwork creation from months down to as little as a day. Companies will also be able to manage brand artwork on a global basis, providing greater flexibility for regional & local changes to be incorporated more efficiently.

“The implications of this joint solution are significant. This work is currently managed through a highly fragmented and piecemeal process, either through third party providers or internal resources. For global companies managing this process from end to end is significantly more complex for reasons such as language requirements and regional compliance issues,” said Ray Wodar, director of CPG Industry Solutions, Dassault Systèmes. “By partnering with EskoArtwork, this joint solution will eliminate the inherent complexities and enable global, real-time collaboration while significantly reducing the time it takes to complete each project.”

In addition, the integration of EskoArtwork's Web Center Viewer, a powerful electronic artwork e-proofing tool, with DS's ENOVIA Collaboration Platform and the CPG Accelerator, will enable users to virtually proof all aspects of labels and packaging. This approach makes it easier to manage and edit logos and graphics while avoiding the need for multiple hardcopy proofs, which, in turn, results in less

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courier and transportation costs. The combination of the ENOVIA CPG Accelerator and EskoArtwork's ArtiosCAD for Secondary Packaging Design solution will also facilitate greater packaging accuracy by ensuring that the design process is seamlessly incorporated into the overall product lifecycle.

“By pairing our domain knowledge in artwork with Dassault Systèmes' industry-specific PLM solutions, we're able to help customers tie their creative work directly into the product lifecycle,” explained Dieter Janout, VP Global Business Group, EskoArtwork. “This enhances collaboration across organizations, helping to decrease time spent on the artwork process and accelerate product development cycles.”

For more information on EskoArtwork, please visit: <http://www.esko.com/>.

For more information on Dassault Systèmes' CPG solutions, please visit <http://www.3ds.com/solutions/consumer-packaged-goods/overview/>

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## ***Delcam Launches New Inspection Software***

15 July 2010

[Delcam](#) has launched the 2010 R2 version of its PowerINSPECT inspection software. The new release incorporates automatic surface inspection and the ability to use GD&T data from CATIA models, plus improvements to the handling of point cloud data and changes to the interface to make the software even easier to use.

PowerINSPECT combines the ability to work with all types of inspection device with a comprehensive range of inspection routines for making simple measurements, for inspecting geometric features and for checking complex surfaces. The resulting reports present detailed information in easy-to-read formats that can be understood by all engineers, not just inspection specialists.

The new automatic surface inspection methods for CNC CMMs and machine tools use raster strategies taken from Delcam's machining software. The user can set the distance between each point to be measured and the stepover between each line of measurements to develop the grid of data to be taken.

Each of these two key values can be set for each individual surface within the model, for groups of surfaces or for the whole model. This allows a greater density of data to be collected from more critical areas of the component. For example, a mouldmaker might want to collect more comprehensive information from the core and cavity areas of a tool than from the split surfaces.

As with all PowerINSPECT strategies, the user can specify additional measurements to be made in any areas of concern identified by the initial inspection.

The ability to extract GD&T data from CATIA models will allow designers to ensure that the correct design intent is measured in any prototype or production component. The designer can specify the required tolerances as the design develops and also specify the datums to be used for the inspection routine. The PowerINSPECT user can extract this information and use it as the basis for his quality control routines.

Inspection based on point clouds collected by laser scanners has been a development priority for PowerINSPECT for several releases and this trend has continued in the latest version. The software now has the ability to align regions of the point cloud to specific, more critical, areas of the model, rather than simply applying a best-fit routine over whole part. In addition, new point cloud registration

functionality allows multiple point clouds to be aligned with each other, for example when two sets of data are collected from opposite sides of the part. The combined data can then be used to generate a single report for the whole item.

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## ***Dynamic 2D/3D CAD that Feels Good in its Skin: MEDUSA4 v. 5.0***

15 July 2010

Release 5.0 of CAD Schroer's mechanical CAD design automation suite, MEDUSA4, can feel good in its skin - The latest UI and usability enhancements join many new dynamic editing tools for intelligent, 2D/3D design.

### **MEDUSA4 Online**

The latest release of the MEDUSA4 2D/3D drafting suite emphasises an enhanced user experience on all levels," says Product Line Manager, Mark Simpson. "A wealth of new dynamic editing tools shorten engineering project times and enhance productivity. A new skin keeps the UI at its most efficient, and we've worked hard to optimise usability across many familiar tools. We continue to develop our interfaces, integrations and the product's flexibility to slot in with existing engineering systems and data."

### **Intelligent P&IDs**

The P&ID module, tightly integrated with the 2D and 3D plant design environments, has been given special attention, with significant enhancements in most areas, including use of layers; reporting; CSV export; and P&ID line editing. There are new tools for filtering, grouping, selecting, loading, placing and dynamically moving symbols.

### **Intelligent, Dynamic Design**

Intelligent tools to speed up and even completely automate design processes have long been a hallmark of CAD Schroer's software, and the newest version of MEDUSA4 is no exception. Administrators now have even more control over the information content of individual drawings. New dimensioning options provide enhanced usability and greater flexibility. Parts lists can now be generated more easily from several drawings. In addition, the MEDUSA4 standard parts library has been revised and updated in line with industry developments.

### **Engineering Data and Process Integration**

In the area of ERP systems integration, further controls have been provided for the MEDUSA4-Teamcenter® interface. Enhancements to the processing of colour raster data in MEDUSA4 designs further increase speed and flexibility when it comes to presenting external images. New DXF/DWG, STEP and IGES import and export options ensure easy integration of external CAD data.

### **What's New in MEDUSA4**

"Close contact with design engineers worldwide drives our development process," says CAD Schroer's founder and Managing Director, Michael Schroer, "We are known for reacting quickly and flexibly to customer requirements. Flexibility is also a key component of the software we provide."

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## ***ESI Releases Virtual Performance Solution 2010***

12 July 2010

Increased product diversification, shortened development times and reduced costs are the biggest challenges that industry faces today. [ESI's Virtual Performance Solution](#) --- scalable simulation software for multi-domain virtual product testing --- addresses these challenges by enabling the management of complex simulation scenarios, while balancing functional requirements.

With the version 2010 of [Virtual Performance Solution](#), [ESI](#) offers a multi-stage capability enabling multi-domain analysis with a single core model. This enables significant reduction in complexity versus the effort of dealing with multiple solvers and workflow processes.

“With Virtual Performance Solution, we use one single core model of a vehicle bonnet to perform stiffness analysis and pedestrian protection analysis”, declared Eberhard Keim, CAE Department Manager at EDAG Ingolstadt. “Two simulation models for different load cases are no longer needed. Using a single core model allows us to perform faster design changes: giving us a competitive advantage. Furthermore, the calculation with the Implicit module is two times faster and uses less memory than what we used before.”

Version 2010 spans crash, impact and occupant safety analysis, motion and dynamics, strength and thermal analysis, as well as [Noise, Vibration and Harshness](#) (NVH) analysis; all within a single package. [NVH](#) is new in Version 2010, allowing engineers to go beyond crash and safety analysis and solve linear harmonics, transient structural and acoustic problems in parallel. This new, powerful feature enables engineers to obtain more reliable and accurate results, to clearly measure the structure's deformation -- as required by EuroNCAP -- and to cover a wider range of applications seamlessly.

Thanks to such Concurrent Engineering, CAE engineers can benefit much more directly from Virtual Prototyping and Virtual Testing.

“Virtual Performance Solution allows you to use a single compute model for multi-domain applications. Running both explicit and implicit solution schemes on a standard crash simulation hardware platform, you can significantly reduce not only the turnaround time but also IT costs. Benefits are not restricted to reduced global cost and project time; you can expect improved quality and happier customers”, said **Peter Ullrich**, Virtual Performance Solution Product Manager at ESI Group.

For more information, please visit: [www.esi-group.com/virtual-performance-solution](http://www.esi-group.com/virtual-performance-solution)

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## ***Infor Launches Infor24 Cloud Initiative and Selects Microsoft Windows Azure as Preferred Cloud Platform***

13 July 2010

Infor launched Infor24, the company's comprehensive initiative to deliver cloud-based versions of its most popular business software. Infor24 solutions are available now, providing customers with an optimum mix of rich functionality and deployment flexibility. Infor and [Infor24](#) will be featured in a keynote speech this morning by Bob Muglia, president of Microsoft's Server & Tools Business, at the Microsoft [Worldwide Partner Conference](#) (WPC). Muglia's speech can be viewed live or replayed at [digitalwpc.com](http://digitalwpc.com).

**News**

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Infor24 solutions for [expense management](#), [asset management](#) and [enterprise resource planning](#) (ERP) are available now.

Each provides the proven and reliable functionality of the respective on-premise Infor application, delivered as a cloud-based service, with flexible pricing options.

The solutions also use [Infor ION](#)<sup>TM</sup> to securely share data with a customer's on-premise Infor and non-Infor applications, adding deployment flexibility and easing hybrid implementations.

Next-generation solutions are being developed now for planned release in 2011 using the [Windows Azure](#) environment, including an enhanced version of Infor24 Expense Management planned for release in the first half of next year.

These future solutions will be delivered from Microsoft Azure datacenters, and optimized to run using Azure technologies, including [SQL Azure](#).

Infor chose Windows Azure as its preferred cloud platform because, after extensive research, it determined Microsoft to be the most flexible and robust platform provider across on-premise and cloud-based applications. Because of this, Infor is confident Windows Azure will give Infor and its partners a clear speed and efficiency advantage when bringing solutions to market.

## **What Microsoft Says**

"With their adoption of the Windows Azure platform, Infor will be able to quickly deliver its business applications as a service to its more than 70,000 customers," said Muglia. "Microsoft is delivering software, services and tools to our partners like Infor, and to customers, that enable them to realize the many benefits that a cloud-based model offers."

## **What Customers Say**

### **Mohawk Fine Papers**

"With on-premise Infor Enterprise Asset Management (EAM) and Asset Sustainability Edition (ASE), we have significantly lowered our total energy consumption, reduced our carbon footprint, and enhanced Mohawk's environmental stewardship leadership in the industry," said Paul Stamas, vice president, Information Technology, Mohawk Fine Papers. "We're thrilled to see Infor's product roadmap evolve with the Infor24 launch and even closer integration with Microsoft. Infor24 cloud-based solutions using Infor ION offer higher levels of enterprise agility and the flexibility to deploy best-of-breed applications."

### **Pengrowth Energy Trust**

"Infor's hosted Enterprise Asset Management (EAM) solution allows us to employ preventative maintenance and continually prove to regulatory bodies in the oil and gas industry that we are conducting proper maintenance on our equipment, a critical aspect of our business," said Jiju Thomas, team lead, Operations (Information) Systems, Pengrowth Energy Trust. "Partnering with Microsoft is one of the best decisions Infor has made as it will allow us to draw from a larger and more widely available resource pool. Furthermore, this partnership will foster greater alignment with our existing technology as we already have SharePoint implemented."

### **What Saugatuck Technology Says**

"Infor's investment in leading-edge yet simple integration technologies combined with its recently announced strategic partnership with Microsoft provides a solid foundation to help bring Infor and its

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mid-market customers to the cloud," said Bill McNee, founder and CEO of Saugatuck Technology. "This is important because our research shows that by year-end 2014, 40 percent or more of all new enterprise IT decisions will be cloud-based - whether stand-alone or as hybrid implementations. But equally as important, this announcement furthers the transition of Infor the company from a well financed application aggregator to a more nimble and relevant business solutions provider for the twenty first century."

## What We Say

"We've heard loud and clear from an increasing number of our mid-market customers that they want the benefits of cloud-based services, but without sacrificing reliability or functionality," said Jim Schaper, chairman and chief executive officer for Infor. "With Infor24 powered by Microsoft Windows Azure, customers will get the rich functionality they want, the cost-effectiveness and simplicity they need, and the rock-solid dependability they can't afford to lose. Infor24 powered by Azure is not only the right choice, it's the safe choice."

## Additional Resources

Infor Live - Join the conversation at <http://www.infor.com/infornow/inforlive/>

Infor24 - <http://www.infor.com/infor24>

Infor24 Expense Management - <http://www.infor.com/infor24/xm/>

Infor24 Asset Management - <http://www.infor.com/infor24/eam-am/>

Infor24 SyteLine ERP - <http://www.infor.com/infor24/syteline/>

Infor ION - <http://www.infor.com/company/ION>

Microsoft Windows Azure - <http://www.microsoft.com/windowsazure/%20>

Microsoft Worldwide Partner Conference (WPC) - [digitalwpc.com](http://digitalwpc.com).

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## ***IntegrityWare Releases New SubD-NURBS Product***

9 July 2010

IntegrityWare announced the release of a new product SubD-NURBS. [SubD-NURBS](#) unities the diverse modeling paradigms of Sub-D (Sub Division Surface) modeling and CAD (NURBS based) modeling. SubD-NURBS accurately converts Sub-D models into a NURBS based format that can easily interface with CAD systems or CAD applications.

Now your work flow can combine the conceptual design process of Sub-D modeling with the engineering, analysis, and manufacturing design process of NURBS based CAD operations. Traditional CAD systems, with their precise NURBS-based representations, are ideal tools for dealing with the engineering part of the design process (parametric design, analysis, detailing, manufacturing, etc.).

However, CAD systems have not been as successful as the Sub-D based modeling tools in dealing with free-form, conceptual, or organic modeling. SubD-NURBS is the enabling tool that forges that important missing link between the two modeling paradigms. SubD-NURBS unites those two modeling paradigms to revolutionize the design process, and optimize the overall design work flow. With its ability to flexibly convert virtually any Sub-D model into a NURBS format, SubD-NURBS supports a work flow

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where conceptual designs can be generated using simple Sub-D modeling operations to quickly demonstrate the design concept. That design can then be modified with Boolean operations, 3D logos, fillets, shelling, or other advanced surface construction tools. The results can be analyzed or sent to rapid prototyping machines. And in the world of SubD-NURBS, you can then go back and edit the original Sub-D model and propagate the CAD operations (Booleans, fillets, etc.) onto the modified version of the Sub-D conceptual design to facilitate quick design revisions. You can even generate a new rapid prototype of the design for customer viewing.

SubD-NURBS can convert virtually any Sub-D model into a precise NURBS representation that can be read into virtually any CAD system. It can even handle Sub-D models containing triangular polygons. SubD-NURBS creates high quality surfaces, with a minimum of G2 continuity. So the resulting CAD models are accurate, high quality representations. With SubD-NURBS, the user can control the quality of the resulting surfaces. If the user is worried about creating heavy surfaces, he or she can reduce the number of surface knots or tangency strength through the modification of a few simple parameters. The resulting CAD models can be modified with Boolean operations, filleting, or other typical CAD operations.

SubD-NURBS is a high performance library that software developers can integrate into their 3D modeling systems. Sub-D based systems can leverage SubD-NURBS to export to CAD systems, or to integrate CAD functionality into their system (especially when coupled with our [SOLIDS++](#) geometric modeling kernel). CAD systems can utilize SubD-NURBS to import 3D models from various popular Sub-D modeling tools.

SubD-NURBS comes from the IntegrityWare ["Gem technology" initiative](#). The goal of this initiative is to produce high quality, innovative, optimized technology solutions to solve specific, important geometric modeling problems.

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## ***Lattice Technology Releases Updated XVL Converter Products***

14 July 2010

Lattice Technology® Inc. released version 7 of its XVL® Converter software products for highly accurate, highly compressed conversion of 3D CAD data into the XVL format.

The XVL Converters are delivered as plug-ins directly into a CAD application, or as stand-alone products that can be initiated from a command line by external application or user interface. They are used to convert almost any kind of 3D CAD and design data into XVL so that it can be used for process design, digital mock up, authored into manufacturing documentation, and so on. The XVL format offers the industry's best 3D data compression with no loss of accuracy which means that it can be rapidly used, shared and viewed even on lower specification PCs.

The latest updates now support latest versions of CAD applications such as NX™7, CATIA® V5 R20, Autodesk Inventor® 2011 and SolidWorks® 2010.

XVL Converter Scheduler and Manager, products which enable the batch processing of 3D CAD data conversions into XVL, have also been updated to support these CAD platforms.

“3D design data is becoming much larger and companies are looking to do more with it,” said Bill Barnes, General Manager, Lattice Technology, Inc. “XVL delivers a standard format with the industry's best, most accurate compression allowing even the most complex 3D assemblies to be handled easily.

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Lattice Technology Solutions enable the 3D data to easily be combined with other information such as ERP or MES data, and for highly productive manufacturing process data and technical documentation to be authored. It is therefore key for our current and future customers that we support the latest 3D CAD formats they are using.”

Detailed information about CAD platform support with the new XVL Converter products can be found at: [http://www.lattice3d.com/products/products\\_converters\\_3d\\_software.html](http://www.lattice3d.com/products/products_converters_3d_software.html).

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## ***LEDAS Enhances 3D Geometry Editing for RhinoDirect Beta 0.3***

15 July 2010

LEDAS Ltd. released an updated beta of RhinoDirect plug-in module for Rhinoceros 3D modeling software from Robert McNeel and Associates. RhinoDirect allows Rhinoceros users to control 3D geometric shapes parametrically using geometric constraints and driving dimensions. Version 0.3 of RhinoDirect beta is available as a free\* download from <http://www.DrivingDimensions.com/labs.php>

New to version 0.3 is the radial driving dimension. With this new constraint, users can change the radii of circles, circular arcs, and cylindrical surfaces, including fillets and holes.

Version 0.3 also supports polysurface vertices as arguments to the distance, coincidence, and fixed constraints. Other new features include the ability to group sub-surfaces of polysurfaces into rigid sets, to deal with free edges, and to automatically highlight satisfied and unsatisfied constraints in the RhinoDirect Manager window.

Some features introduced in previous versions of the plug-in have been improved in this release. Cylindrical holes that consist of several parts are now correctly modified. The concentricity of cylinders and the perpendicularity between cylinders and planes are automatically recognized and maintained. In addition, the code has been optimized and several bugs fixed.

“Version 0.3 of RhinoDirect is a big step towards our implementation of a powerful toolset for modifying solid and surface models parametrically in Rhino, including ones imported from other CAD systems,” explained Dmitry Ushakov, Director of Product Management, LEDAS Ltd. “More than 1,000 Rhino users installed previous versions of this plug-in; now we invite them to test our new one, and to share their experiences with us.”

### **About RhinoDirect**

RhinoDirect 0.3 is compatible with Rhinoceros 4.0 SR5B (and higher), and can run on 32-bit versions of Windows XP, Vista, and 7. The beta can be downloaded from <http://www.DrivingDimensions.com/labs.php> at no cost. The Web page also offers visitors detailed on-line help, step-by-step tutorials, video tutorials, and a set of sample examples to play with.

RhinoDirect is an extension of LEDAS' RhinoAssembly plug-in, the tool for assembly design and kinematic simulation of mechanisms composed of rigid parts. It is commercially available from [DrivingDimensions.com/store/Rhino](http://DrivingDimensions.com/store/Rhino) for US\$395.00. Both RhinoDirect and RhinoAssembly are part of the LEDAS Driving Dimensions product line.

### **About Driving Dimensions**

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Driving Dimensions are end-user applications developed by LEDAS as plug-ins for popular 2D and 3D modeling systems. They provide advanced parameterization capabilities for programs like SketchUp and Rhinoceros. Driving Dimensions are based on the LEDAS' Variational Direct Modeling technology for history-free editing, in which model elements preserve the design intent, and are expressed by explicit and implicit driving dimensions (linear, angular, radial) and geometric constraints.

Simultaneous satisfaction of geometric and dimensional constraints is achieved through LEDAS' LGS 3D geometric constraint solver, technology developed by LEDAS since 2001 and available for licensing to all CAD developers. More information about Driving Dimensions portfolio of applications can be found at <http://www.DrivingDimensions.com/labs.php>

\*Limited time offer. RhinoDirect is available at no charge during the beta test stage.

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## ***Metrology Software: Carl Zeiss Integrates Kineo CAM's Technology***

July 2010

Kineo CAM announced that Carl Zeiss Industrial Metrology, a leading manufacturer of multidimensional metrology solutions, has integrated its software libraries into CALIGO software.

CALIGO is the new measuring software specially developed for car body parts and freeform surfaces. Its modular system architecture offers a high degree of flexibility for the requirements of the future. The combination of Carl Zeiss tools with [KineoWorks™](#) automatic path planning technology and KCD™ collision detector allows for collision-free trajectory creation, significantly reducing the time required for the user to define a safe and quick path.

### **A global agreement for Kineo Collision Detector and Path Planning technology**

Kineo CAM has granted a worldwide commercial licence to Carl Zeiss Industrielle Messtechnik GmbH which belongs to the Industrial Metrology Group of the Carl Zeiss Group who has now integrated Kineo CAM's path planning technology into the simulation module of CALIGO.

This integration with CALIGO will set a new dimension of productivity and usability of CMM software capabilities. Extensive simulation functionality to easily optimize programs using tools such as collision control, travel path track and collision ball is one the major capabilities of CALIGO.

“This agreement with Carl Zeiss makes us proud and enthusiastic” said Laurent Maniscalco, CEO of Kineo CAM. “Proud to provide a brand such as Carl Zeiss with our software component and enthusiastic to see it's a good complementarity with commercial 3D solvers when fast collision detections are required by the end-user application. This opens a new market window and we expect to continuously improve our software technology with Carl Zeiss.”

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## ***Pilgrim Software Announces the Global Release of SmartSolve® Version 8.2.30 -- The Next Installment of the Complete Risk, Compliance & Quality Management Solution***

12 July 2010

[Pilgrim Software, Inc.](#), a world-leading provider of Enterprise [Risk](#), [Compliance](#) and [Quality](#) Management software solutions, announced the availability of [SmartSolve®](#) 8.2.30, the latest and most

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enhanced version of its process automation product. The latest version of Pilgrim's SmartSolve, a fully integrated, Web-based solution, offers a record number of enhancements to strengthen its functionality, usability and overall risk, compliance and quality management capabilities.

Key to the enhancements in SmartSolve 8.2.30 are several new capabilities that support the platform's "ease of use" and "speed to task" for customers leveraging the out-of-the-box best practice capabilities that include enhanced support for [audits](#), [regulatory reporting](#), [document control](#) and [training management](#).

Among the customer-inspired enhancements, a pre-defined Saved Search is configurable to enter any value-dynamically to bring data to the user. SmartSolve's fully configurable portal page has the ability to add directional icons and configurable quick searches to provide access to infrequent users to initiate a record, or easily find an existing record to work through any business process, giving infrequent users the confidence to navigate an enterprise system.

Pilgrim's core solutions also now allow users more control in managing their compliance and quality process experiences. Pilgrim's Audit Management solution simplifies, directs and enhances the Auditee's response experience through the system, and SmartPulse provides risk-based analysis to help auditors schedule their highest risk areas. The Complaints Management solution continues to support the latest regulatory requirements being defined across international regulatory bodies. The introduction of a full hierarchical search mechanism for FDA's CDRH new Event Codes, and usability enhancements from eMDR users, paves the way for new EU electronic Medical Device Incident Report (MDV) with the capability to generate an eMDV xml file.

The enhanced Document Management solution supports a managers "speed to task" need by offering a single click to review and "approve" documents. The Training and Certification Management solution continues to be enhanced for infrequent Trainee users, who now have an intuitive step-by-step flow to navigate to their Certification Sign-Off.

"SmartSolve 8.2.30 introduces the capability of allowing users to have a single sign-on tied to their network logon, which helps users interact with the solution through various applications that they are already working within," said Atulya Risal, Pilgrim Software's Chief Technology Officer. "For example, a controlled document can easily be accessed through a link in SharePoint or a company's intranet. SmartSolve 8.2.30 has been dramatically improved for scalability, performance and reliability for global deployment through incorporation of some key new technologies

"Pilgrim is always looking to enhance its solution and user experience for its customers, including keeping up with the latest technology," said Risal. "The new features and enhancements in SmartSolve 8.2.30 allow SmartSolve customers to expedite their business processes while remaining fully compliant with industry regulations and manufacturing the highest quality products."

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## ***Pilgrim Software Launches Integrated Platform for Regulatory Reporting***

9 July 2010

[Pilgrim Software, Inc.](#), a world-leading provider of Enterprise [Risk](#), [Compliance](#) and [Quality Management \(ECQM\)](#) software solutions, announced the global availability of its expanded [Regulatory Reporting](#) platform. Rounding out the platform, the MedDRA adapter is the newest capability from Pilgrim, integrating with its [Complaints Management](#) solution to ease adverse event reporting to global

regulatory bodies.

Pilgrim's integrated solution allows companies to capture their products' inquiries, complaints and adverse events within a single environment that allows for the ability to analyze, trend and report on safety data anywhere throughout the product lifecycle. The MedDRA adapter supports the reporting process by allowing Pilgrim's Complaints Management users to easily access the MedDRA Dictionary of terms (codes) to quickly update required MedWatch Adverse Event Reports.

"As globalization continues to press outward, many regulatory agencies are looking to improve the efficiency of their operations," said Atulya Risal, Pilgrim Software's Chief Technology Officer. "As a result, regulations are changing, electronic submissions are increasing, and the codes and the structure of how data is used will continue to expand.

By ensuring that manufacturers are using the latest accepted terminology and helping to provide clear, concise, complete and accurate data in their reports, the MedDRA capability supports ongoing compliance with reporting needs now and as the regulations continue to evolve."

The MedDRA Dictionary integration capability enables users to capture any of the 70,000-plus MedDRA terms, at any version and using any language, to support the reporting of Adverse Events throughout the clinical trial to post-market product lifecycle. It automatically captures all the MedDRA terms for the patient symptom into a record to support the periodic safety analysis, and Pilgrim's Advanced Search feature allows for quick analysis of records containing MedDRA terms.

"Pilgrim's Regulatory Reporting solution allows drug and combination product manufacturers to readily identify adverse events before they become critical issues, facilitating proactive risk avoidance and product regulatory and safety adherence," said Prashanth Rajendran, Pilgrim's Chief Operating Officer. "Further, companies that adopt Pilgrim's Regulatory Reporting platform will benefit from a resulting increase in the accuracy and productivity of their Pharmacovigilance by reducing time spent addressing errors and the man-hours to pull together all the data and analysis necessary for periodic safety reports."

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## ***PROSTEP Unveils OpenPDM® 7.0***

July 2010

The coming Version 7.0 of OpenPDM®, the standard integration platform for PLM systems from a wide variety of industries, supports fundamentally new functionality for linking different domains and disciplines. In addition to the data replication used up until now, OpenPDM® 7.0 introduces a new integration concept involving data linking.

This is made possible by a unique link engine that can be used to link data and processes from the domains E/E, requirements management, software development, ERP and PDM in a meaningful way. This creates "traceability", which opens up a number of new application options such as, for example, "where used" searches (In which product series is a software version used?), impact analysis (What impact does changing a requirement have and which materials or software modules are affected?), consistency checks (Is there a test case for every requirement? Is there a requirement for every material? Is there a requirement and test for every specified software function?) and many others. At the same time, the standard OpenPDM® functions will of course be enhanced.

You will find more detailed information about OpenPDM® 7.0 at <http://www.prostep.com/unsere-produkte/openpdm/openpdm-70/?L=0>.

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## **True Engineering Technology Announces Release of Truenumbers<sup>TM</sup>**

11 July 2010

True Engineering Technology announced the release of Truenumbers<sup>TM</sup>, an application that heralds a new way of working with engineering numbers saving valuable time for engineers and reducing the risk and expense of project errors for the enterprise.

Engineers can use Truenumbers to create an accurate record of any number which can be inserted into documents, used for calculations and shared with other engineers. And with the ability to verify the source of any truenumber from within a document or email, engineers will be able to know everything about a number all the time. Truenumbers can be used in Word, Excel and PowerPoint documents, emails and HTML pages.

Truenumbers are also compatible with PTC's Mathcad® 15, ensuring that calculated numbers and their units stay intact outside of Mathcad.

According to Ricardo Garcia of the Naval Air Systems Command (NAVAIR), "With truenumbers, we will be able to manage and share critical data including design parameters and materials properties, ensuring that anyone on the team can easily get the most up-to-date information available at any time, from anywhere".

Garcia, an early adopter of truenumber technology, continued: "When you are keeping a fleet of sophisticated military airplanes flying to support US combat troops, confusion over a simple calculation that goes unchecked can have catastrophic results".

The Truenumbers personal edition is available now and can be downloaded for a free 21 day trial at <http://www.truenum.com>. Truenumbers is developed by True Engineering Technology, the Boston, MA, company founded by Mathcad inventor and entrepreneur Allen Razdow.

You can see a video demo of Truenumbers here: <http://www.youtube.com/watch?v=9iprZNIYIfM>.

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