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Acquisitions

Valor Acquires PCB Matrix

6 January 2009

Valor Computerized Systems has acquired the assets of PCB Matrix Corporation, a provider of EDA library generation tools for both land pattern and schematic symbols.

The transaction extends Valor’s portfolio of PCB design solutions to include land pattern and schematic symbol generation, and provides PCB Matrix customers with access to Valor’s best-in-class global support services.

[PCB Matrix](#) served as an integral partner with IPC in the development of IPC-7351 Land Pattern standards, and their LP Wizard land pattern generation software was awarded the DesignVision Award at DesignCon 2007. Their recently released Symbol Wizard adds the automation of custom schematic symbol models using advanced component web search and links to deep, rich content. Together, these tools significantly reduce the engineering product development cycle time, with reduced resources.

Valor has built the world’s largest geometric component database, known as the Valor Parts Library, with over 35 million parts for use in design and assembly applications, such as DFM, SMT Programming and technical documentation. “Extending the value of the ISO-certified content upstream into the design arena is a logical progression for us” says Patrick McGoff, VP Design Market at Valor. “We believe the industry will benefit from a streamlined library creation process that has the potential to incorporate manufacturing knowledge into the EDA libraries. This will ultimately lead to more manufacturable designs the first time through.”

Tom Hausherr, CEO of PCB Matrix, states “It’s been our vision for a long time to provide tools that eliminate the inefficiencies of CAD library generation. Joining forces with Valor, we now have the opportunity to take these applications to their full potential.”

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CIMdata News

CIMdata in the News: “Virtual Product Development Gaining Traction”

5 January 2009

“Virtual Product Development Gaining Traction” focuses on the degree to which virtual product development — the notion of designing, prototyping and developing both the product and the

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manufacturing processes in a fully digital environment — is starting to become a reality.

In the article author Beth Stackpole writes ...“All of these efforts aim to bring previously isolated domains together and attempt to advance the promise of designing, testing and prototyping highly complex products in a virtual world”

Beth also taps the expertise of CIMdata’s John MacKrell who notes:

“Up until the last couple of years, we've been unable to bring together the different disciplines except by prototyping with physical devices,” says CIMdata Senior Consultant John MacKrell. “Being able to do all this virtually is really important for streamlining and increasing the speed of design.”

To learn more, please access [Virtual Product Development Gaining Traction](#) (Design News, January 5, 2009)

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New Poll: How have these stressful economic times impacted your PLM program?

January 2009

Please take a moment to vote in our January opinion on the impact of these uncertain economic times on your PLM program by clicking [here](#).

The results of these polls are tabulated as you vote. The results are completely anonymous. If you are currently logged in your vote will not be connected to your personal information in any way.

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Company News

Autodesk Names Ideate Inc. Reseller of the Quarter for Outstanding Customer Achievements

8 January 2009

[Autodesk](#) announced that it has selected [Ideate Inc.](#) as Reseller of the Quarter for the Americas for the third quarter of fiscal year 2009. The designation recognizes the reseller not only for its sales performance and dedication to customer service, but also for the growth of its operations and its investments in the business of selling Autodesk software. Autodesk selected Ideate Inc. from among more than 100 resellers throughout the Americas.

The Reseller of the Quarter designation is based on factors such as quality of customer service and support, overall sales, vertical sales and overall growth. Ideate's dedication to educating customers on cutting edge solutions and technologies, such as the benefits of building information modeling (BIM) for the building and design industry, have helped Ideate expand their business to new markets in Portland and Seattle over the past 18 months.

With offices in San Francisco, San Jose, Sacramento, Portland and Seattle, Ideate has an extensive team of technical experts serving the West Coast. Ideate employs registered architects, professional engineers, GIS professionals and mechanical engineers who serve companies in the areas of building, construction, infrastructure, GIS and multimedia with Autodesk software and implementation services. With five Autodesk Authorized Training Center (ATC) sites and services that include training, support, consulting and community forums, Ideate's repertoire of offerings ensure its customer's continued professional

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development.

Ideate has implemented a customer relationship management (CRM) system, and has achieved 100 percent usage of this system from all employees. This CRM system provides complete visibility into performance, pipeline and forecast data at the individual sales representative level, across authorizations and territories and supports

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Cadence Appoints Lip-Bu Tan President and Chief Executive Officer

8 January 2009

[Cadence Design Systems, Inc.](#) announced that its Board of Directors has unanimously appointed Lip-Bu Tan as president and chief executive officer, effective immediately. Tan, who had been serving as interim vice chairman of the Board of Directors of Cadence® and member of the Interim Office of the Chief Executive, will remain a member of the Board.

“Over the past several months, our board has conducted an extensive search for a CEO candidate with the expertise and ability to effectively navigate the challenges facing Cadence and the industry and to capitalize on the opportunities in the market we serve,” said Dr. John Shoven, chairman of the Board of Directors. “On behalf of our Board of Directors, I am pleased to announce Lip-Bu as Cadence’s president and CEO. While leading Cadence over the past few months, Lip-Bu has been instrumental in refining the company’s strategy, optimizing its R&D structure, implementing audit committee recommendations resulting from its investigation of accounting issues, monitoring the completion of the financial restatement, and executing on a significant restructuring plan. We are fortunate to have someone of Lip-Bu’s caliber who possesses the vision and experience to lead Cadence at this critical time.”

“Having served as a member of Cadence’s Board of Directors for almost five years and as a member of the interim leadership team since October, I know firsthand the challenges we face and the opportunities that lie ahead,” said Tan. “Cadence is widely recognized for its product leadership, innovation and robust technology portfolio. I am confident that Cadence is solidly positioned to execute on its business strategy to help customers succeed, while improving efficiency and productivity, and investing in areas that enhance our competitive position. I am honored to lead Cadence as president and CEO and look forward to continuing to work closely with the board and our talented and dedicated employees around the globe to deliver compelling products and solutions to our customers and build value for our shareholders.”

“On behalf of the Board of Directors and management team, I would like to thank the other members of our Interim Office of the Chief Executive, Kevin Palatnik and Charlie Huang, as well as each of our world class employees, for their dedication to Cadence during this transition,” added Shoven. “Thanks to their collective hard work, Cadence has a solid foundation in place and is poised for strong performance in the future.”

In connection with Tan’s appointment, Cadence announced today that the Interim Office of the Chief Executive has been dissolved. The members of the Interim Office of the Chief Executive will resume their positions with the company: Shoven will continue to serve as chairman of the Board of Directors; Huang will serve as senior vice president and chief strategy officer; and Palatnik will continue to serve as senior vice president and chief financial officer.

About Lip-Bu Tan

Lip-Bu Tan, 49, has been a member of Cadence's Board of Directors since 2004, and serves as a member of the Finance and Technology Committees of the Board. He continues to serve as chairman of Walden International, a venture capital firm he founded in 1987. Tan received an M.S. in nuclear engineering from the Massachusetts Institute of Technology, an MBA from the University of San Francisco, and a B.S. from Nanyang University in Singapore.

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Ken Bozzini Joins Arena Solutions as Chief Financial Officer

7 January 2009

[Arena Solutions](#) announced the appointment of Ken Bozzini as the company's chief financial officer (CFO). With more than 25 years in financial and operational leadership roles for technology-based companies, Bozzini brings extensive experience in developing the financial foundation and operational processes that are proven to support companies through growth, expansion and ultimately public offering or acquisition. As CFO for Arena Solutions, Bozzini will manage Arena's finance, accounting, human resources, facilities, legal, information technology and professional service functions and oversee the company's financial strategy and planning to facilitate performance and growth.

In his previous position as CFO at Securimetrics Inc., Bozzini played a major role in the organization's evolution from entrepreneurial start-up to division of a publicly traded industry leader. He helped drive a \$71 million government contract and significant revenue growth, and guided the company to successful passage of its first Sarbanes-Oxley and public company audits. Bozzini has also prepared numerous companies to go public, including Evolve Software, where he led the organization through an acquisition and an IPO and then transformed the company's cost structure and financing strategy as market conditions rapidly changed. With other senior financial positions at WildPackets Inc., Xoma Ltd., California Culinary Academy and Hewlett Packard—companies that range from small start-ups to publicly held multinationals—Bozzini has demonstrated an ability to propel companies from one stage of growth to the next.

“In my last position one of my responsibilities was to oversee contract manufacturing. We managed our bill of materials (BOM) in Excel and used faxes and emails to communicate with suppliers. The process was labor-intensive, error-prone and extremely stressful, given the public company pressure of getting our product to market on time. Having been in that role, I immediately recognized the value of an on-demand BOM management solution like Arena. No operations manager should do without it, and it's exciting to join the company at a time when more and more of them are realizing just that,” said Bozzini. “I look forward to helping drive company growth and guide Arena into the next phase of company development.”

Bozzini holds a master's degree in business administration from the University of California, Berkeley, and he graduated Magna Cum Laude from Golden Gate University with a bachelor's degree in accounting. He earned his CPA while working for PriceWaterhouse.

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LMS Announces Two Strategic Vice Presidential Appointments

7 January 2009

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LMS announced the appointment of two new vice presidents: Mr. Stefaan Goossens, Vice President Simulation and Mr. Bruno Massa, Vice President Strategic Planning and Communication. In light of the departure of Filip Pintelon, Bruno Massa has also agreed to take on the role of Ad Interim Vice President of the LMS Test division.

“Both Stefaan Goossens and Bruno Massa are dedicated LMS people with years of company and market experience. Both have extremely impressive track records in their respective fields and their extensive market know-how and leadership will certainly contribute to the future success of LMS,” said Dr. Urbain Vandeurzen, chairman and CEO of LMS.

Stefaan Goossens joined LMS after obtaining his mechanical engineering degree from the K. U. Leuven (Katholieke Universiteit Leuven). Having worked in customer support, product management and engineering services where he was on the management team, Stefaan Goossens brings an extensive range of hands-on LMS experience to his role as Vice President Simulation.

During his 10 years in LMS Engineering Services, he ran cutting-edge vehicle development projects for Jaguar and Mitsubishi amongst others. In 2006, he was named manager of the CAE and Simulation division and today as Vice President, he puts his company and customer background and hands-on experience to work every day focusing on developing the type of 1D and 3D simulation tools that the market requires.

With 20 years in the high-tech sales and marketing sector – ten of which at LMS – Bruno Massa has a thorough understanding of both the test and simulation industries. With this experience, he is ideally positioned to take on the responsibility for strategic planning and corporate initiatives such as partnerships and acquisitions to build the future growth path for the company. In addition to his strategic planning reasonability, he will develop the global LMS brand to strengthen the leadership position of LMS in its core markets and to build awareness in new application areas.

Bruno Massa will combine his new position with the role of Ad Interim Vice President of the LMS Test Division. Together, Bruno Massa and his team of experts will continue to develop innovative test-based engineering solutions that answer the challenges of LMS’ broad customer base and extend LMS’ leading N&V position in the automotive and aerospace industries into new markets and applications.

Prior to his role as Vice President Strategic Planning and Corporate Communications, Bruno Massa was responsible for the international marketing and communication department for the LMS group. Bruno Massa holds an engineering degree from the University of Hasselt, Belgium and an MBA in Marketing from the Vlerick Leuven Gent Management School.

“Both Stefaan and Bruno are ideally positioned to take up their respective roles. LMS has a clear strategy for growth and market leadership by building on our engineering expertise and providing solutions that deliver real added value to our customers’ product development processes.

Stefaan’s extensive automotive and aerospace go-to-market experience and Bruno’s thorough marketing know-how will certainly contribute to addressing the challenges of our customers around the world,” concluded Willy Bakkers, Chief Business Operations.

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NovaQuest Begins Operations January 1, 2009

6 January 2009

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[NovaQuest LLC](#), a newly formed company, has been approved as a Value Added Reseller (VAR) for Dassault Systèmes (DS).

Joel Lemke, who served as CEO for DS's ENOVIA brand for the past 10 years has formed NovaQuest to provide sales, services, and support of DS Solutions into targeted industries and catering to the specific size of companies that require dedicated focus and industry skills. Joel will serve as NovaQuest's President and CEO.

DS has established a strong focus on new markets and industries over the past two years and business partners in these markets are key to DS's overall success. Many companies in these industries are just now starting to leverage PLM as a strategic business initiative. Having a partner like NovaQuest that can provide industry, technology and implementation experience, is critical to their successful PLM implementation and realization of business value.

NovaQuest will be headquartered in Charlotte, NC with sales and services personnel spread across the United States. NovaQuest will begin operations with initial customers representing the industries in which it will focus. NovaQuest will focus on the ENOVIA, CATIA, and 3DVIA brands for DS.

"I am thrilled to be able to continue my association with DS by starting NovaQuest to deliver DS solutions into the market with particular focus on the new industries being targeted by DS. This market segment can dramatically leverage the value of PLM in their respective business processes," said Joel Lemke.

Mr. Bernard Charlès, President and CEO of DS said, "Joel has proven himself as an outstanding CEO with a very successful track record as illustrated by his achievement to position ENOVIA as the Number One PLM solution across many industries. With NovaQuest, Joel will soon demonstrate its capacity to deliver collaborative innovation for sustainable development in many industries. I am looking forward to working with Joel to build the future together through his new venture."

Ed Miller, President and CEO of CIMdata also said, "PLM programs are not just about software functionality. Our experience shows that more than half the value of a PLM deployment comes from how it is deployed within a company. Solution providers like NovaQuest, with deep industry experience and extensive knowledge of PLM, can significantly improve a company's return on their investment in PLM."

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Surfware, Inc. Announces New Direct Sales Manager, Eric Brown

6 January 2009

[Surfware, Inc.](#) announced that Eric Brown has joined the Surfware Sales team as Direct Sales Manager. He will be responsible for generating direct sales in the Surfware Direct territories.

Eric Brown has more than 20 years of experience in selling CAD/CAM, PLM and complementary products, applications and solutions. His industry experience includes electronics, aerospace/defense government, semiconductor, medical products and other manufacturing and engineering/technical sectors.

"We're very pleased that Eric has joined our Surfware Sales team," says Stephen Diehl, President and CEO of Surfware. "Eric will help us continue to build our Surfware Direct customer base, both with SURFCAM Velocity and our patented TrueMill technology. We look forward to leveraging his skills in

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a variety of industries that will benefit from our high quality and innovative SURFCAM software. Eric's insight and professionalism will also add value to our overall marketing efforts."

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ZWSOFT Launches ZWCAD CAD Design Contest

8 January 2009

ZWCAD Software Co., Ltd. has just launched its ZWCAD CAD Design Contest, to showcase talent in the 2D design industry. The contest features designers of all types using ZWCAD 2009.

The contest celebrates the official release of ZWCAD 2009, providing a chance for designers to experience its efficiency and cost-effectiveness. More importantly, the contest offers a great opportunity for participants to share their creative work with the entire world.

According to Owen Zi, Director of ZWSOFT Overseas Department, all qualified designs will be displayed on the official website of ZWCAD (<http://www.zwcad.org/cadcontest>). "They can be viewed and enjoyed by professionals around the globe," he said. "12 ZWCAD Excellent Designers voted by the public will win free licenses of ZWCAD 2009, as well as additional surprising gifts and ZWCAD Authorization Certificates."

As for the selection of this contest, judgment belongs to the public voters. Participants with the largest number of votes will win. In addition, ZWSOFT will select 10 ZWCAD lucky users and 10 lucky voters through random selection. Those who download ZWCAD 2009 between Jan. 7-Mar. 7, 2009 may become one of these. Free licenses of ZWCAD 2009 will also be awarded to those voters and ZWCAD users fortunate to be selected.

Registration is open and submissions are accepted between January 7 and February 7, 2009, while public voting begins the same day as registration and submission and will last for two months -- January 7 to March 7. After that, 12 contest winners, 10 lucky voters and 10 ZWCAD lucky users will be announced.

For more details about ZWCAD CAD Design Contest, please visit: <http://www.zwcad.org/cadcontest>.

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Events News

Cimatron's Webinar Showcases Integrated Die Design and Manufacturing Improving Shop's Profitability

7 January 2009

Hundreds of tool and die makers attended an online web seminar (webinar) hosted by MetalForming Magazine and sponsored by Cimatron.

In the first part of the webinar, David Lindemann of Cimatron Technologies Inc. walked the audience through a detailed explanation of best practices in integrating die design and manufacturing processes.

A case study presentation by Mark Modglin of Norco Industries demonstrated how the integration of these processes can help tool and die makers improve productivity, responsiveness, and ultimately the company's bottom-line results.

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“Having an integrated system allows all the departments to see the same data, which has greatly improved our communication and workflow,” said Modglin. “We have been able to cut time out of design, build, and assembly for every project we have been working on. We have also seen great improvement in the handling of engineering change orders due to the parametric features of the Cimatron software.”

The webinar was moderated by Brad Kuvin, Editor of MetalForming Magazine. “I believe this session provided the audience with some great ideas of what can be achieved by integrating the design and manufacturing processes,” said Kuvin. “The fact that this large number of die makers took the time out of their work day during this busy time of the year to attend this webinar speaks for the urgency to improve operational efficiency that is felt in the industry.”

To view the recording of the webinar, visit <http://www.cimatrontech.com>.

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Delcam to Demonstrate Jewellery Software and Services

5 January 2009

Delcam will be demonstrating its range of software and services for the jewellery industry at two UK exhibitions in the coming weeks; the Scotland International Trade Fair to be held from 25th to 27th January in Glasgow and the Spring Fair at the NEC in Birmingham from 1st to 5th February. At both events, Delcam will feature the latest version of its ArtCAM JewelSmith CAD/CAM software and its new online a rapid prototyping bureau service, rp.delcam.com.

ArtCAM JewelSmith (<http://www.artcamjewelsmith.com>) enables jewellers to design and manufacture highly intricate, bespoke jewellery or complete new ranges. Whether modelmakers prefer to draw their designs, hand-sculpt a 3D model or create the piece in a familiar CAD package, their work can be scanned or imported directly into the software. Alternatively, designs can be created directly in ArtCAM JewelSmith.

Engineered for its ease of use, ArtCAM's structure is similar to artistic packages such as Adobe PhotoShop where the jeweller can utilise a number of layers to change elements of their design, or to form intricate and complex patterns. For example, when creating a matching necklace, ring and bracelet, ArtCAM's 'Project Tree' can keep all related models together, for quick reference, accessibility and duplication of any design element.

To incorporate gems into the jewellery design, JewelSmith takes the dimensions of both calibrated and un-calibrated gems, and creates caps to securely hold them in place. This saves the jeweller's time and allows him to focus his knowledge and skill on developing other design ideas.

With JewelSmith 2009, modelmakers can sculpt their designs, either by using ArtCAM's sculpting toolbox or by customising their own sculpting brushes using imported textures or their own 2D design. For hand engravers, ArtCAM can replicate their current working methods by utilizing a Wacom tablet. With this device, the more pressure applied by the pen to the tablet, the more material can be moulded or manoeuvred into shape.

An important new feature for producers of corporate giftware and collector/visitor jewellery is the 'Embossing Tool'. To create a coin pendant, for example, the user can take a 3D model and tilt or rotate it to give the required perspective, creating the illusion of distance between one area and another. Within seconds the 'Embossing Tool' then reduces the model's depth to those typically used for coinage whilst

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maintaining the prominent details and illusion of depth from the original model.

For companies offering a bureau service ArtCAM's latest '3D PDF Viewer' will prove invaluable when seeking customer approval. Rather than taking multiple screenshots or sending large files, users can save the 3D View of their model as an accurate and rotatable PDF file that can then be e-mailed to all involved parties.

Once the design process is complete, ArtCAM JewelSmith's integrated machining wizards set the machine toolpaths or provide the necessary output files for CNC machining or rapid prototyping of the piece. For jewellery produced from more than one material, ArtCAM JewelSmith can divide the design into separate files for manufacturing.

Companies concerned about the cost of purchasing high quality RP machinery or those preferring to use a rapid prototyping bureau service for model construction will be interested to know that Delcam will also be showing its rapid prototyping service.

Delcam's rp.delcam.com bureau service will be available to anyone wishing to make 3D models for use in the lost wax casting process. Delcam will supply t castable wax/resins within 48 hours for companies to use either in their own casting process or to supply to any third party casting company. ArtCAM JewelSmith files or any other 3D files can be uploaded to the Delcam FTP site for quick quoting and production.

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Delcam to Show Dental Software in Spain

6 January 2009

Delcam will show its DentCAD and DentMILL dental software in Spain for the first time at the Forum Dental Mediterraneo to be held in Barcelona from 29th to 31st January. DentCAD is a new computer-aided design (CAD) program that can be used for the creation of dental restorations, including copings, crowns and bridge frameworks, while DentMILL is a knowledge-based machining (CAM) system for the manufacture of components for the industry.

While the two programs can be used together to provide a complete design and manufacturing system, both DentCAD and DentMILL are completely 'open' and so can be used with software and hardware from other companies. For example, DentCAD accepts data from any scanner capable of exporting data in the STL format used widely within the dental industry. Similarly, DentMILL can output machining toolpaths to virtually any CNC machine. Most other dental CAM programs are part of a 'closed' system that can only work with unique data formats or specific scanning or machining equipment.

The key benefit of DentCAD is that is easy to use and so is ideally suited both for dental technicians with existing CAD knowledge and those that have no previous experience of computer-aided design. The whole process is based on a series of "Wizards" that guide the user through the entire design process.

A wide range of visualisation and analysis tools are available at every stage, including sectioning, measuring, shading and transparency options that allow detailed inspection of the shape being developed. This ensures that the results are exactly as required by the patient.

The system is also very flexible, so allowing different design options to be developed and compared. For example, key parameters like the margin line and the cement thickness can be modified and the

CIMdata PLM Industry Summary

computer model will automatically update to reflect the changes. In addition, sculpting tools let the user add or subtract material interactively, while the dynamic editing tools allow the complete model to be reshaped quickly and effectively.

All the functionality in DentMILL is based on Delcam's PowerMILL CAM system. This allows the software to offer a far wider range of machining strategies than is available in other dental CAM programs.

The latest additions to the software are new five-axis options, which are particularly important for abutment manufacture as these components are difficult to produce with three-axis machining. The new five-axis functionality can reduce material wastage when producing copings and bridges. Previously, all the components needed to be oriented within the material block so that they could all be machined in a single direction. With the five-axis approach, the components can each be rotated to minimise the block thickness required, since the different pieces, or even different areas within a single part, can be machined in different directions. This allows a set of parts to be produced from a thinner block of material so reducing material costs and machining times. Five-axis machining can also be used to machine parts containing undercuts.

Another new option is the ability to generate set-up sheets. These allow the user to identify multiple parts manufactured in the same block of material.

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Major Sewn Products Suppliers to Participate in SPESA EXPO 2010

7 January 2009

The Sewn Products Equipment & Suppliers of the Americas (SPESA) reports brisk advance exhibit space sales for its SPESA EXPO 2010 event (<http://www.spesaexpo.com>) scheduled for May 18-20, 2010 at the Georgia World Congress Center in Atlanta, Georgia. Since exhibitor applications opened in August 2008, more than 40 industry suppliers have confirmed participation in the triennial show. The initial list of exhibitors comprises a wide range of equipment and machinery, information technology and software solutions, trims and components, supplies and services, and other suppliers to the diverse sewn products industry.

Major multi-product industry suppliers already confirming participation in SPESA EXPO 2010 include Lectra, Gerber Technology, and Assyst-Bullmer. Leading equipment companies such as Henderson Sewing Machine Company, Veit Brisay Kannegiesser, Eastman Machine Company, and Durkopp-Adler have also confirmed booth space. Other early and notable exhibitors include American & Efird, OptiTex, Alvanon, and YKK USA. SPESA EXPO 2010 will also co-locate with Techtextil North America and ATME-I/MEGATEX, two prominent textile events, to provide textile and sewn products professionals with value and exclusive access with a single event pass.

“As a leading supplier to the global sewn products industry, we see SPESA EXPO 2010 as an important place to be in a big way,” noted Jerry Inman, Vice President of North American Marketing at Lectra. “We closed significant business on the show floor at the last SPESA EXPO and are looking to build on that in 2010. SPESA’s efforts to expand the event into new market segments that cover the entire concept-to-delivery product lifecycle will bring us even greater opportunity for our extensive range of software and hardware solutions. Additionally, the co-location with Techtextil North America and ATME-I/Megatex textile events will enable us to address a broader cross-section of our customer and prospect base.”

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According to Frank Henderson, president of Henderson Sewing Machine Company and SPESA president, “SPESA EXPO 2010 will be a very important event for our industry and particularly for companies in the Western Hemisphere. In this rapidly changing global marketplace, success will come to those companies that can respond creatively to the technological and innovative advances within our industries. By bringing together manufacturers and suppliers from more textiles and sewn products segments than ever before, SPESA EXPO will facilitate the collaboration needed for these companies to succeed now and in the future.”

“We are extremely pleased with the early response that we are receiving from the global supplier community to SPESA EXPO 2010,” added SPESA’s managing director Dave Gardner. “We are also receiving strong support from a number of international industry associations that see SPESA EXPO as the right industry event and timing for both exhibitors and attendees.”

About SPESA EXPO

SPESA EXPO comprises all segments of the sewn products market, including apparel and fashion, auto and transportation interiors, footwear and accessories, home furnishings and upholstery, safety and protective gear, luggage and leather goods, and other technical and industrial textiles; and covers the entire concept-to-delivery sewn products lifecycle including design, development, production, and distribution. In 2010, SPESA EXPO will co-locate with Techtexil North America and ATME-I/Megatex on May 18-20 to form Textile and Sewn Products Week in Atlanta, Georgia. SPESA EXPO is solely owned by SPESA.

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Mastercam for SolidWorks on Display at SolidWorks World

December 2008

Mastercam for SolidWorks CAD/CAM software will be showcased at the SolidWorks World 2009 Conference in booth # 401 at the Swan & Dolphin Hotel in Orlando, FL. The Mastercam for SolidWorks product offers SolidWorks users a new way to boost their productivity.

Mastercam for SolidWorks is fully integrated CAM that runs in SolidWorks. SolidWorks users can now program their parts directly within SolidWorks using Mastercam’s toolpaths and machining strategies.

[Mastercam](#) for SolidWorks includes a suite of cutting strategies, including Feature Based Machining and high speed machining toolpaths. High speed machining promotes longer tool life, faster machining time, and precision cutting by creating smooth cuts that eliminate dangerous sharp moves. Mastercam for SolidWorks also delivers a powerful set of automated cleanup toolpaths, letting you get parts off the machine faster and with little or no handwork.

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Onesia Releases a New Offer for Orealia

January 2009

Onesia releases a new offer for Orealia its photo-realistic real time software, and announces participation in the Imagina trade show.

Three ranges of products are now available to meet varying customer needs: Pro, Premium and

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Designer.

Orealia|PRO meets the needs of very small-size companies or freelance designers who work on 3D models, including large size models in real time, and generate images or videos.

Orealia|PREMIUM offers small-size companies a shared interactive real-time tool designed to present and validate virtual mock ups. To use the software in share mode, Orealia Premium integrates such features as managing modifications made to geometries by the different users, as well as fast generating of executables.

These two first solutions are available online, along with upgrade software to move from the Pro version to Premium.

Orealia|DESIGNER is the full package deal designed for larger companies. It allows one to obtain and share innovative renderings in real time. You work from a native or neutral 3D model taken from CAD. The software provides designers, marketing and communication managers with shared access to interactive digital mockups™, resulting in many advantages:

- Facilitates discussion on issues such as style and esthetics.
- Enables analysis of all presets and environment settings thanks to the rich libraries of textures, materials and environments.
- Offers quality 3D reproduction of real life materials without long computation time, thanks to Onesia's BTF technology (Bidirectional Texture Function).
- Provides ready access to certain 2D elements indispensable for measurements or preparing estimates.

[Onesia](#) will be on hand at Imagina trade show (booth B8) to unveil the extent of its developments.

David Biau, co-founder and manager of Onesia says: "The challenge lies in gaining even more realism without asking the users to wait several minutes before obtaining a result. Our intention is to offer a complete product that is not too complicated to use, nor too consuming in terms of computation time, and facilitates reusability for future client applications".

Among the new developments to be presented is the integration of advanced unfolding features of the 3D model with continuity between surfaces. These features make it possible to apply flat textures and obtain improved rendering quality. Onesia will also present new features of real time global lighting that offer more realism than ever, especially for indoor scenes, thanks to BTF innovative technology, which allows one to faithfully reproduce the appearance of real materials in 3D. This solution was chosen among other innovations by the trade show organizers to present at round tables during the show. The stakes and prospects of this solution will be unveiled on Wednesday February 4, 2009 in the Imagina Industrie digital mockup session. There are many applications for this solution: Industrialists in the fields of nautical construction, automobile, aeronautics and home supplies are particularly interested, as well as watch making and jewelry where designers are familiar with the problem of effects created by shiny, precious materials.

Onesia's new range of products and prices offer a competitive advantage to better respond to the needs of a market that is more and more in tune with the advantages of the interactive digital mockup™.

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Sescoi and OSG Corporation Run a Joint Productivity Technology Seminar

2 January 2009

Sescoi has been working in partnership for many months with Japanese drills and tools specialist, OSG to provide practical, intelligent solutions to numerous, common machining problems. Results of this ongoing collaboration were presented and discussed at the joint ‘WorkNC Lab.1’ working seminar held at the OSG Technical Center, Toyokawa City, Aichi, Japan in November 2008.

Experts from both companies demonstrated some of the latest machining techniques to 140 representatives from leading Japanese companies, including the Ahresty Group, Hitachi Ltd, RYOBI Limited, Aisin Seiki Co., Ltd, and the Koito Manufacturing Co., Ltd.

New products demonstrated by OSG included its variable lead end mill, which produces stable cutting conditions and long tool life in difficult to machine materials, and its diamond coated end mills for graphite, which minimize work piece chipping.

Engineers were able to see how the automated cutting routines in WorkNC can be stored and automatically reapplied to new parts, reducing programming times and maintaining consistent and reliable machining methods for similar parts. In particular, the OSG tool database was added to WorkNC so that the ideal cutting conditions could always be selected from within the software.

Machining directly into hard material can produce some significant savings in the production of EDM electrodes and the time required for the EDM process. SESCOI and OSG demonstrated how high speed machining can be reliably and successfully achieved by using the correct tooling, feeds and speeds. WorkNC includes trochoidal movements combined with climb milling to minimize shock loading on the tool and to optimize cutting performance. New levels of accuracy within its algorithms, and the use of 5-axis techniques in Auto 5, enable shorter and more rigid cutters to be used for fine detail. This enabled engineers to see how they could easily reduce their requirements for EDM.

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Si2 to Host Low Power Coalition Tutorial at DesignCon 2009

9 January 2009

The Silicon Integration Initiative (Si2) announced a [Low Power Coalition](#) Tutorial being hosted at the DesignCon Conference to be held at the Santa Clara Convention Center in Santa Clara, CA. The “Low Power Flows and Formats, From ESL to Implementation” Tutorial will be held on Monday, February 2, 1:30 pm – 4:30 pm in Room 203 in the Santa Clara Convention Center.

Green technologies, including low power design, have been identified as critical areas for design flow improvement in IC and system design. This three hour tutorial is intended to review the progress made to date in the areas of low power design formats and to expose and acknowledge the challenges remaining for full interoperability between those formats. Detailed presentations on advances in low power design understanding will be made at the workshop and specific areas of interoperability that remain will be addressed. Advances in Power Aware design flows and Low power design techniques will be presented and supporting documents and technologies will be made available. The tutorial will conclude with a panel discussion on “What does interoperability mean?” The goal of the tutorial is to enhance industry understanding of the state of low power design capabilities today and the remaining challenges to full interoperability of low power design flows that will need to be addressed.

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Agenda:

Introduction, Resources, Agenda: Nick English, Si2

CPF 1.1 Summary and CPF 1.2 Roadmap, Qi Wang, Cadence

Power Aware Flows and Design Techniques, Nagu Dhanwada, IBM

P1801 Update, Gary Delp, LSI

Atrenta's Experience with multiple Formats: Dave Allen, Atrenta

Panel: What does interoperability mean to you? (Above speakers, as well as Dale Pollek, Atrenta)

To register for DesignCon Conference Events, go to this link: <http://www.designcon.com/2009/register/>.

Another Si2-sponsored event at DesignCon is the Si2 Member/Guest Meeting immediately following the tutorial in the same room. This meeting is open to all. For more information:

<http://www.si2.org/?page=11>.

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solidThinking to Offer Free 'sTudent' Software at Macworld

29 December 2009

solidThinking, Inc. (<http://www.solidthinking.com>) announced that it will provide a free personal-use version of its solidThinking 7.6 software – industrial design software available to run on both Mac OS and Windows – to industrial design, architecture and fine arts students who visit solidThinking's booth 3320 at the Macworld Conference & Expo 2009 in San Francisco, January 5-9.

Those enrolled in certified programs at colleges and universities can obtain a certificate at the Macworld solidThinking booth. Valid proof of student status must be presented. The validated certificate can then be used to download the free solidThinking software and run it on the student's personal computer. The personal-use "sTudent" version of solidThinking is the same software used around the world by designers to create and evaluate designs of products ranging from jewelry and computers to automobiles and yachts.

"Industrial designers globally are adopting solidThinking as their tool of choice, and today's design students should have the opportunity to use, understand and become fluent in the best available software to expand their creative abilities," said solidThinking Vice President of Product Strategy and Marketing Alessandro (Alex) Mazzardo. "By making solidThinking available to students for convenient use on their own computers, we anticipate these students will become even more attractive to employers upon graduation by giving them more time to improve their creativity and develop a portfolio of their creative work."

The free annual licenses will enable students to use the software throughout each academic year. After that period, they will have the opportunity to either renew the annual license if they are still in school, or apply for a 60-day "post-graduate" version to use at their new place of employment. The offer is available to full-time students at approved institutions. Those who download the free "sTudent" version also will receive a free electronic manual to help them get started using solidThinking as a source of new inspiration for their creative options.

At the Macworld Conference & Expo 2009, solidThinking will show off its recently launched software

solidThinking 7.6 and highlight how leading designers are “doing it with a Mac” by using solidThinking to design exciting new products.

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Financial News

EMC Announces Preliminary Fourth-Quarter Financial Results in Line with Previous Guidance

7 January 2009

EMC Corporation announced that it expects fourth-quarter 2008 revenues of approximately \$4 billion, representing an EMC record for quarterly revenue, approximately 8% revenue growth compared with the third quarter of 2008, and 4% growth over the same period a year ago. EMC also announced that it expects in the fourth quarter:

- GAAP earnings per diluted share of \$0.13 to \$0.14, including the impact of a \$0.10 restructuring charge, described below.
- Excluding the restructuring charge, non-GAAP earnings per diluted share of \$0.23 to \$0.24.
- Excluding the restructuring charge, stock-based compensation and intangible asset amortization, non-GAAP earnings per diluted share of \$0.30 to \$0.31(1).

These preliminary revenue and EPS results, excluding the effect of the charge, are in line with estimates the company provided on October 22, 2008.

"We are very pleased with our preliminary Q4 financial results," said Joe Tucci, EMC Chairman, President and CEO. "We were able to generate all-time record revenue and strong sequential revenue growth against the backdrop of a challenging global economy. Customers are telling us that information infrastructure and virtualization products and solutions are at or very near the top of their IT spending priorities. This, coupled with the technological advantage and quality of EMC's solutions and the strength of our sales and service organizations, helped us achieve our Q4 financial goals."

To improve the competitiveness and efficiency of its global business, EMC also announced a restructuring program to further streamline the costs related to its Information Infrastructure business, which does not include VMware. EMC expects the program to reduce costs from its 2008 annualized rate by approximately \$350 million in 2009, increasing to approximately \$500 million in 2010. The program's focus is to consolidate back office functions, field and campus offices; rebalance investments towards higher-growth products and markets; reduce management layers; and further reduce indirect spend on contractors, third-party services and travel. The restructuring program will reduce EMC's global Information Infrastructure workforce by approximately 2,400 positions, or about 7% of its headcount as of September 30, 2008.

"We managed our costs and investments very carefully throughout 2008," Tucci continued. "However, we believe this additional program will help us strike the right balance between achieving higher levels of efficiency and sustaining strong business agility and performance, without in any way compromising our ability to serve the needs of our customers over the long-term. We are very confident in the

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competitiveness of our products, services and solutions and the skill and determination of our workforce. Our goal is to position EMC for continued success throughout the downturn and for even greater success during the next economic growth cycle."

As a result of the program, EMC will book a pre-tax restructuring charge of \$248 million in the fourth quarter of 2008. After taxes, this charge is \$200 million, or \$0.10 per diluted share. EMC expects to record additional pre-tax restructuring charges of \$100 million to \$125 million across 2009 and 2010.

The program's expected savings will come from both cost reductions and the transformation of several areas of EMC's operational cost structure. As part of the program, EMC is undertaking several initiatives to transform the structural efficiency of how it operates worldwide. These initiatives will include the consolidation and movement of various facilities and processes beginning in 2009 and to be completed by the end of 2010. As part of these transformation efforts, the company expects to incur additional non-recurring, pre-tax transition costs of approximately \$75 million to \$100 million over this period; these investments are necessary to ramp up the new, more efficient capabilities ahead of switching over from the existing cost structure. EMC will break out these transition expenses in its financial results as they are incurred during the phase-in period.

Further details will be provided during EMC's fourth-quarter earnings call scheduled for January 27, 2009.

(1) A restructuring charge of \$0.10 per diluted share, stock-based compensation of \$0.05 per diluted share and intangible asset amortization of \$0.02 per diluted share are excluded from the non-GAAP earnings per diluted share of \$0.30 to \$0.31.

This release also contains estimates of our preliminary fourth-quarter financial information. We are continuing to review our financial and operating results, and actual results may differ materially from those contained herein. In particular, the preliminary fourth-quarter financial information could vary from the above estimates based on the final accounting.

Use of Non-GAAP Financial Measures

This release contains non-GAAP financial measures. These non-GAAP financial measures, which are used as measures of EMC's performance or liquidity, should be considered in addition to, not as a substitute for, measures of EMC's financial performance or liquidity prepared in accordance with GAAP. EMC's non-GAAP financial measures may be defined differently from time to time and may be defined differently than similar terms used by other companies, and accordingly, care should be exercised in understanding how EMC defines its non-GAAP financial measures in this release.

Where specified in the release, certain items noted (including, where noted, amounts relating to restructuring charges, stock-based compensation and intangible asset amortization) are excluded from the non-GAAP financial measures.

EMC's management uses the non-GAAP financial measures in this release to gain an understanding of EMC's comparative operating performance (when comparing such results with previous periods or forecasts) and future prospects and excludes the above-listed items from its internal financial statements for purposes of its internal budgets and each reporting segment's financial goals. These non-GAAP financial measures are used by EMC's management in their financial and operating decision-making because management believes they reflect EMC's ongoing business in a manner that allows meaningful period-to-period comparisons. EMC's management believes that these non-GAAP financial measures provide useful information to investors and others (a) in understanding and evaluating EMC's current

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operating performance and future prospects in the same manner as management does, if they so choose, and (b) in comparing in a consistent manner the Company's current financial results with the Company's past financial results.

All of the foregoing non-GAAP financial measures have limitations. Specifically, the non-GAAP financial measures that exclude the items noted above do not include all items of income and expense that affect EMC's operations. Further, these non-GAAP financial measures are not prepared in accordance with GAAP, may not be comparable to non-GAAP financial measures used by other companies and do not reflect any benefit that such items may confer on EMC. Management compensates for these limitations by also considering EMC's financial results as determined in accordance with GAAP.

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Open Text to Report Second Quarter Fiscal Year 2009 Financial Results on Wednesday, January 28, 2009

6 January 2009

Open Text™ Corporation announced that financial results for its second quarter of fiscal 2009 will be released on Wednesday, January 28, 2009 at approximately 4:00 p.m. ET.

Teleconference Call

Open Text will host a conference call on January 28, 2009 at 5:00 p.m. ET to discuss the final financial results of its second quarter.

Date: Wednesday, January 28, 2009

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

Length: 60 minutes

Where: 416-915-5761

Please dial-in approximately 10 minutes before the teleconference is scheduled to begin. A replay of the call will be available beginning January 28, 2009 at 7:00 p.m. ET through 11:59 p.m. on February 11, 2009 and can be accessed by dialing 416-640-1917 and using pass code 21293951 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 Provides Preliminary Q1 FY'09 Results

8 January 2009

PTC provided preliminary financial results for its fiscal first quarter ended January 3, 2009.

Highlights

* Q1 non-GAAP Results: Revenue of \$240 million with EPS of \$0.14 to \$0.16

* Q1 GAAP Results: Revenue of \$240 million with EPS of \$0.03 to \$0.05

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The preliminary Q1 non-GAAP results exclude approximately \$10.5 million of stock-based compensation expense, \$8.5 million of acquisition-related intangible asset amortization expenses and \$6.2 million of related income tax effects.

C. Richard Harrison, president and chief executive officer, commented, "The global economic situation has impacted our financial results for Q1. Revenue for Q1'09 of \$240 million is essentially flat with Q1'08. On an organic constant currency basis, our Q1'09 revenue is down approximately \$6 million, or 3%, compared to Q1'08. Our maintenance and services businesses continued to perform well in this environment, with the shortfall in Q1 revenue relative to our guidance of \$250 to \$260 million due to reduced license sales in all of our major geographies."

The preliminary Q1 results include a non-GAAP tax provision rate of 22%, a GAAP tax benefit rate of 59% and approximately 117 million diluted shares outstanding.

PTC expects to announce final Q1 results on Tuesday, January 27, 2009 after the market closes and to host a conference call / webcast before the market opens on Wednesday, January 28, 2009. Details below.

Q1 Earnings Conference Call and Webcast

What: PTC Fiscal Q1 Conference Call and Webcast

IMPORTANT: Supplemental financial and operating metric information and prepared remarks with respect to the conference call will be posted to the investor relations section of our website simultaneous to the press release after the market closes on Tuesday, January 27. The prepared remarks will not be read live; the call will be primarily Q&A.

When: Wednesday, January 28, 2009 at 8:30 a.m. Eastern Time

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 on February 2, 2009 at 1-866-434-5264 or 1-203-369-1006. To access the replay via webcast, please visit <http://www.ptc.com/for/investors.htm>.

Important Information About Non-GAAP References

PTC provides non-GAAP supplemental information to its financial results. Non-GAAP operating margin and EPS exclude stock-based compensation expense, amortization of acquired intangible assets, and the related tax effects of the preceding items and any one-time tax items, such as valuation allowance reversals. PTC provides this non-GAAP information to facilitate period-to-period comparisons of its operational performance by adjusting for certain non-cash and certain episodic expenses. We believe that providing non-GAAP measures affords investors a view of our operating results that may be more easily compared to peer companies. PTC management also uses this and other non-GAAP financial information to evaluate, manage and plan our business because the information provides additional insight into ongoing financial performance. In addition, compensation of our executives is based in part on the performance of our business based on these non-GAAP measures. However, non-GAAP information should not be construed as an alternative to GAAP information as the

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items excluded from the non-GAAP measures often have a material impact on PTC's financial results. Therefore, management uses, and investors should use, non-GAAP measures in conjunction with our reported GAAP results.

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Virage Logic Updates First-Quarter Fiscal 2009 Outlook

30 December 2008

[Virage Logic Corporation](#) announced that it is lowering first quarter revenue guidance to \$11.0 to \$11.5 million compared to its previously announced estimates of \$15.5 to \$16.0 million. Excluding any restructuring charges, non-GAAP per share results should fall into a range of (\$0.08) to (\$0.06) versus \$0.02 to \$0.04 as previously guided.

"The increasing effect of the global economic crisis and resulting impact on the semiconductor industry is unprecedented. The last few weeks of our fiscal first quarter have been equally challenging for us as we manage recent delays in customer orders," stated J. Daniel McCranie, executive chairman, Virage Logic. "Despite the macroeconomic environment and coupled with our very strong cash position, we are encouraged by the long term prospects we see for our leading edge product portfolio. Even in a severe downturn, semiconductor manufacturers will not typically allow their design cycles to abate and given our longstanding strategic relationships with many of the largest foundries and integrated device manufacturers, we believe we will continue to see growing demand for our leading edge products."

Virage Logic cautions that these anticipated results are preliminary, based on the best information currently available, and subject to the closing of its financial records and customary quarterly accounting procedures. The company plans to report its final results for the first-quarter of fiscal 2009 after the close of market on January 29, 2009, and will provide a detailed business outlook at that time.

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Implementation Investments

Cobra Automotive Technologies Selects Siemens PLM Software's Teamcenter to Enhance Product Development and Engineering Processes

7 January 2009

[Siemens PLM Software](#) announced that Cobra Automotive Technologies S.p.A. (Cobra) has selected Teamcenter®, Siemens PLM Software's digital lifecycle management solution, to enhance product development and engineering processes.

[Cobra](#), based in Varese, Italy, with operations around the world, will implement more than 100 seats of Teamcenter to improve the company's product and process data management structure and to help reduce time-to-market, development costs and total cost of ownership.

"PLM is more than a tool, it is a powerful technology that impacts the entire organization and we expect it to help Cobra strengthen our standardization initiatives which will allow us to accelerate our development activities, implement a continuous improvement process and significantly reduce non-compliances," said Graziano Mangiarotti, director, Technical Operation Director at Cobra Automotive Technologies S.p.A.

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Cobra's search for a PLM solution was driven by the company's global market expansion plan. Based on this plan, Cobra needed to introduce an information system to support product development and engineering processes, provide immediate and secure access to product information, align product release processes for data and related multi-format documentation, and consolidate archives and applications targeted at increasing management flexibility.

"With Teamcenter as our single, user-friendly PLM interface, we will be able to access all product data and stay up-to-date throughout the development process. We will also have an effective classification template for managing product libraries, and satisfy future requirements thanks to the flexibility of Teamcenter," Mangiarotti concluded.

"Siemens PLM Software is proud that an innovative company like Cobra has selected Teamcenter for its PLM needs," said Franco Megali, vice president and managing director of Siemens PLM Software Italy. "Teamcenter software's ability to integrate and provide a consistent solution across the enterprise combined with its capability to support future growth will enable Cobra to continue to achieve its objectives."

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Dubai Victory Team Boats Fly with SolidWorks

5 January 2009

[Dubai Victory Team](#) is using SolidWorks® 3D CAD and SolidWorks Simulation design validation software to develop high-speed powerboats that will sustain the team's reign as world champions. Fresh off of its 2008 Class 1 World Powerboat Championship win, the team is now preparing for the 2009 season by using SolidWorks to improve hydro- and aerodynamics. Dubai Victory Team hopes the newly redesigned boats will continue to rocket at 160 miles per hour or more to new championships and speed records.

Key facts

The Class 1 World Powerboat Championship features international teams competing in a series of races held around the world. One driver and one throttle person operate each boat.

Each boat is 42 feet long, with twin 900 horsepower engines powered by propellers with five blades.

Victory standardized on SolidWorks to transition from 2D drawings to 3D modeling to wring more performance from the boats.

Optimizing hydro- and aerodynamics is paramount since only one propeller blade is in the water pushing the 4,800-kilogram boat at any time.

Engineers redesigned the propeller in SolidWorks, using lighter and stronger material to deliver better weight/performance ratio.

SolidWorks' surfacing helps Victory Team engineer gaps out of the boat's hull, deck and cockpit designs, ensuring the boat is completely water tight – especially after integrating vendors' designs.

SolidWorks' large assembly and collision detection features save time while enabling engineers to optimize the propeller and power train design.

Victory Team uses [SolidWorks](#) Simulation software to study how different parts of the boat's assembly will stand up to the rigors of powerboat racing.

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SolidWorks Motion enables the team to conduct torque and acceleration analysis of one of its gear boxes.

In the future, Victory engineers will use SolidWorks to more accurately calculate the boat's center of gravity to create more options for reducing weight (via material thickness analyses) and delivering more power.

Quotables

From Edmond Husseini

Head of Technical Office, Dubai Victory Team

"At top speed, these boats are airborne except for the propeller. A gust of wind or a surprise cross-wave could flip the boat. That's why it's imperative that the drivers have complete confidence in the boat's design. SolidWorks gives us new options we wouldn't try in 2D, so we can explore different ways to push the envelope for better performance and safety."

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Eaton Taps IBM for Vehicles Driven by Fluid Power; UPS Tests Trucks That Cut Fuel Use by 50 Percent

22 December 2008

IBM announced it has been selected by [Eaton Corporation](#) to supply modeling software in support of Eaton's development of series hydraulic hybrid systems.

The series hydraulic hybrid (SHH) system -- that promises dramatic fuel savings and environmental benefits -- replaces the conventional drivetrain and transmission. The system uses hydraulic pumps and hydraulic storage tanks to capture and store energy, similar to what is done with electric motors and batteries in a hybrid electric vehicle.

Shipping giant, UPS, will deploy the first two package delivery vehicles with the SHH system in Minneapolis during the first half next year. Eaton, the developer of the SHH system, will monitor the vehicle's fuel economy performance and emissions. An additional five vehicles will be deployed later in 2009 and early 2010.

Like many of the components that make up today's vehicles, the hydraulic hybrid systems are intelligent software intensive systems. IBM is supplying Telelogic Rhapsody modeling software that helps Eaton improve quality and save time in the development of these hybrid systems. Eaton project teams use Telelogic Rhapsody to model the software that makes the SHH system work. This process allows the development teams to be more efficient and shorten design cycles.

With this smart system, fuel economy is increased in three ways: vehicle braking energy is recovered that normally is wasted; the engine is operated more efficiently, and the engine can be shut off when stopped or decelerating. Initial trials of the SHH system demonstrated up to 50 percent improvement in fuel efficiency and one third reduction in CO2 emissions.

"Using Telelogic Rhapsody software improves the quality of the application software that is integral to the series hydraulic hybrid system development process," said Steve Zielinski, chief engineer for software in Eaton's Fluid Power Group. "IBM's Telelogic Rhapsody increases communication through graphic modeling, and provides validation through simulation and automated testing."

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Hifn Selects CoWare ESL 2.0 Solutions for Design and Performance Optimization of Next-Generation Applied Services Processors

5 January 2009

CoWare®, Inc. announced that Hifn, Inc., the catalyst behind storage and networking innovation, has selected CoWare ESL 2.0 solutions for system-on-chip (SoC) platform architecture design and performance optimization. CoWare Platform Architect and CoWare's ESL design methodology will enable Hifn to speed the development and improve system performance of their next-generation Applied Services Processors by optimizing and validating system architecture prior to implementation.

"Exploring design alternatives and validating hardware and software architectures and interactions early on is a critical step in the design of our network and storage processor solutions," said Ray Savarda, Director of System Architecture at Hifn. "Hifn has set the standard for providing market-leading solutions that offer a high degree of efficiency in both performance and power consumption. Hifn selected [CoWare](#) Platform Architect and CoWare's standards-based ESL design methodology to allow hardware and software co-design much earlier in the development process, enabling us to deliver highly cost-efficient solutions with a quicker time-to-market."

"CoWare's ESL 2.0 solutions for platform architecture design provide architects and system designers with the multi-core simulation and dynamic performance analysis capabilities they need to quickly identify bottlenecks and optimize the system performance of multi-core SoC designs, without the risk of guesswork or the added cost of over design," said Patrick Sheridan, Director of Marketing at CoWare. "We are pleased to support Hifn in their deployment of CoWare Platform Architect to realize their product development goals."

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IFS Signs New Agreement with Sanitec

7 January 2009

IFS announced that Sanitec is expanding its use of IFS Applications in its Swedish subsidiary, IFÖ Sanitär AB (IFÖ), by adding the manufacturing component and upgrading to IFS Applications 7.5. Sanitec will also roll out the solution to the other Nordic countries. The contract, which was signed in 2008, includes licenses, consulting services and maintenance and has a total value of more than SKr 14 million.

Sanitec, through its Swedish subsidiary IFÖ, has been an IFS customer since 1998 and has implemented IFS Applications components for financials, sales & logistics and maintenance. Now Sanitec is expanding the solution by adding the IFS manufacturing component to replace legacy software.

"We have seen several benefits from working with IFS Applications so far and look forward to upgrading the solution," Frida Norrbom, Chief Information Officer at Sanitec, said. "Our users have long experience of IFS Applications and find it easy to use, which will ease the implementation."

After upgrading to IFS Applications, 7.5, Sanitec will roll out the solution to the business units Porsgrund Bad in Norway, and IDO in Finland.

Glenn Arnesen, Managing Director IFS Scandinavia, is pleased that Sanitec has chosen to develop the

use of IFS Applications further.

“It’s important to us that our long-term customers extend the use of IFS applications with new components and by rolling out the solution internationally. We are proud to work alongside one of the most successful, innovative and environmentally responsible bathroom solutions company in the world,” Arnesen said.

About Sanitec

Sanitec is a European multi-brand group that designs, manufactures and markets bathroom ceramics and bath and shower products. Sanitec has historically grown both organically and through acquisitions. In 2007 the Group net sales amounted to EUR 921 million and today the group employs around 9,100 people. The company is the largest or second largest supplier in all its main markets. The 27 production plants are in Europe, whereas the sales and marketing network operates world-wide.

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PTC And Dallara Automobili Celebrate 15-Year Technology Partnership in Building Winning Race Cars

5 January 2009

PTC announced it is celebrating a 15-year technology partnership with Italian company Dallara Automobili, which for decades has specialized in racing car and super-car design and manufacturing. A customer since 1993, Dallara has standardized on the PTC Product Develop System (PDS) to design its race cars.

Dallara designs cars for the Formula Three and the American Indy Racing League. In addition, Dallara products also include two-seater sports cars that run at the Le Mans 24 hours in France and, since 2005, the GP2 series cars. One of the latest Dallara achievements is the Grand Am, a covered-wheel car prototype for the United States market.

Forty Dallara engineers use PTC Pro/ENGINEER® to design aerodynamic vehicles that can achieve maximum speed while also adhering to safety requirements. The design method demonstrates the continued strength of PTC technology in the automotive industry, where Pro/ENGINEER provides a functionally complete, integrated 3D CAD/CAM solution. For Dallara, the integration of design is expanding into the product development information management area. For example, PTC’s Pro/INTRALINK data management software enables Dallara to make available its design information to other corporate areas beyond the traditional boundaries of the engineering department.

“We have been using PTC Pro/ENGINEER since 1993 for the design of our cars,” says Luca Pignacca, chief design officer, Dallara Automobili. “We use Pro/ENGINEER for both the car structure and body. The entire design of a new car takes place in an integrated PTC environment that makes the most of parametric modelling, the available structural analysis, and its integration with other simulation software.”

Continues Pignacca, “Because every part of a racing car must be integrated in an aerodynamically-optimised unit, the parametric features of Pro/ENGINEER are key to the development of our designs. The wind tunnel is the first test of the design of each part, and the parametric feature of Pro/ENGINEER is used to replicate a key part in a substantial number of slightly different prototypes which then have to be physically manufactured and selected according to the results of the wind-tunnel test. The relation between the mathematical model of the part and all that stems from that – from the 2D table to the CAM

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tool process – is essential to optimise performance and meet a very tight schedule,” explained Pignacca.

The design-structural analysis method, implemented at Dallara for the development of racing cars, is also applied to its ‘super-cars.’ As proof of the efficiency of Pro/ENGINEER in the production of such cars, Pignacca notes the recent KTM X-Bow project, which, starting from an Audi engine, turned into a car ready for the 2007 Geneva Car Show in just 10 months time, from April 2006 to February 2007.

“For this kind of super-car, developed in cooperation with motorbike-specialist KTM, PTC Pro/ENGINEER delivered all the capabilities we needed,” explains Pignacca. “The powertrain was designed by Audi in the same CAD environment that we used to design the chassis and the body and this enabled us to be very efficient in the development of these new very special road cars, which already have a race version.”

“We are proud of our long, successful partnership with Dallara Automobili,” said Iain Michel, vice president business development, PTC. “The PTC Product Development System delivers the technology that Dallara requires to continue its push for delivering innovative, next-generation race car designs. We look forward to working with Dallara as the company continues to implement PTC solutions as part of their effort to advance their product development initiatives.”

About Dallara Automobili

Dallara Automobili is a race car constructor which was founded in 1972 by Dr. Gian Paolo Dallara. It’s based near Parma in Italy and currently employs over 170 people. The company has had major success in Indy Car, One make single seater championships, Formula 3 and Sports Car racing and has designed, manufactured and collaborated on racing programmes for numerous Major Motor Car Companies. These have included: the highly successful Audis R8 and R10, the Ferrari 333 Sports Car, the Beta Montecarlo Group 5 and LC1 Group C cars for Lancia, the aerodynamics for the Toyota Le Mans cars, in 1999 the Honda Formula One car and other major collaborations and successes which cannot be mentioned for confidentiality reasons.

Dallara’s facilities are ‘state of the art’ and include two wind tunnels, a 7 post Dynamic Test Rig, CAD, FEA, CFD design facilities and a modern well-equipped machine shop. In short facilities that would rival the top Formula One teams.

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Product News

Adam Evolves- and Tim is Born- in 3D

8 January 2009

OptiTex introduced new features for their signature 3D dimensional avatar Adam -and announced the anticipated birth of Tim, a ten year-old avatar who has the potential to grow up to 18 years old.

The Adam and Tim avatars provide clothing designers with a significant advantage in the male fashion market- enabling a garment to be reviewed, refined and measured before the first piece is ever cut. Designers can now stage a virtual fashion show for potential investors, without having to create samples of the actual line, saving significant upfront costs.

Developers at [OptiTex](#) have refined the Adam avatar by introducing dynamic shoulder pads to fill in and create varied slopes for designs, as well as supplementary poses for accurate fitting. OptiTex’s enhanced

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Morphs Dialog, which offers choices such as muscle tone definition, belly shape, and numerous postures-, now supports the ability to manage props such as shoes and socks in 3D view.

The advanced boy avatar- Tim begins as a 10 year-old standing at 139 cm. Tim is a parametric avatar that can be modified to change his size and dimensions of one or more body parts at the same time. Tim's life-like posture allows designers to cut down on the time invested in planning and production, thus significantly reducing customer costs.

By advancing the Adam and Tim avatars, OptiTex provides designers and manufacturers the capabilities of a more quality fit for their designs, without cutting a piece of fabric.

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Altium Supports CADstar Users With New Import Wizard

7 January 2009

Altium has added a new file importer, for CADstar design files, to the latest release of its next generation electronics design solution, Altium Designer.

It's the latest addition to Altium Designer's design translation wizard, which already supports legacy design files from Allegro, OrCAD, DX Designer, and PADS, as well as Altium's earlier P-CAD and Protel design tools.

The addition of the CADstar file importer continues to make it easier for designers to move from older-style, legacy point tools to Altium's next generation solution.

Altium Designer brings together hardware, software and programmable hardware development in a single unified environment. By moving to Altium Designer, CADstar users can unlock the potential of large-scale programmable devices, and still create custom-designed PCBs using Altium's advanced board design features. These include 3D board design and clearance checking, and dynamic, real-time links to MCAD designs.

The challenge facing electronics designers is to balance the need to invest in next generation design solutions, and to protect the intellectual property of their legacy designs. CADstar users can now assess this balance for themselves. They can assess how they can extend their PCB design skills into new areas that include creating designs in the soft domain. And they can progress from schematic capture, through FPGA programming, real-time device testing, on-the-fly design iterations, and final PCB design and design release, to manufacture, all within a single design environment.

Availability

The new winter 09 release of Altium Designer is now available. View the videos at <http://www.altium.com/winter09>. Visit Altium's new user community Wiki at <http://wiki.altium.com>. Go <http://www.altium.com> to book a web demo, or to contact the nearest Altium sales center.

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Apache Design Solutions Introduces RedHawk-NX, the Next Generation Full-chip Dynamic Power Integrity Solution

7 January 2009

[Apache Design Solutions](#) announced RedHawk-NX, the next generation dynamic power integrity

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solution re-architected to handle designs of five hundred million gates. The advanced technologies in RedHawk-NX include the industry's first hierarchical dynamic power analysis, proprietary mesh pattern recognition and reuse, and multi-core support, enabling designers to analyze the most complex designs with sign-off accuracy.

As the semiconductor companies continue to push the capacity and performance limitations of EDA tools, Apache's ability to deliver products that meet their demands provides key competitive advantage. Apache's continuous investment in R&D has enabled the company to deliver re-architected next generation dynamic power solutions every three years, starting with the introduction of RedHawk-SD in 2002, RedHawk-EV in 2005, and RedHawk-NX in 2008. Each generation of products offers higher capacity and performance to address the latest design complexity in CPU, GPU, NPU, and devices with large memory contents.

"RedHawk technology roadmap is able to meet our design size and complexity needs for power noise analysis from one generation of our products to the next," said Jean Boufarhat, vice president of engineering, from Graphics Products Group at AMD. "Specifically, RedHawk-NX allowed us to perform dynamic power noise analysis on our largest design with more than 750 million nodes. The ability to verify the entire chip including memories is critical to our design success."

Hierarchical Dynamic (HD)

RedHawk-NX supports the industry's first hierarchical dynamic technology allowing designers to adopt a bottom-up analysis methodology with various levels of abstraction. When using HD's 'white-box' mode, the designers are able to maintain the same level of sign-off accuracy as RedHawk's flattened analysis. By using HD's 'gray-box' mode, designers gain additional capacity improvement.

Historically, hierarchical solutions were only available for static analysis where time-point-by-time-point waveform accuracy of the block-level simulation is not considered. With HD technology, IP providers can deliver encrypted Apache dynamic power views for use in full-chip sign-off analysis. HD also effectively supports industry's hierarchical design methodologies across multiple design sites.

Mesh Pattern Recognition (MPR)

RedHawk-NX's automatic mesh pattern recognition algorithm leverages regularity in the power/ground mesh structures enabling data reuse for effective reduction of physical memory needs. MPR handles designs with complex RDL, dense multi-layered P/G grid, and high memory content. MPR technology has been demonstrated to reduce RedHawk database memory footprint by 2-3X compared with existing techniques.

Multi-core Architecture (MC)

RedHawk-NX is re-architected to maximize the capacity and performance advantages of the multi-core processing systems. The MC solver can be scaled to handle designs with up to billion nodes in existing computing environment. With the MC technology, designers will benefit from 2-3X runtime improvements in their dynamic transient simulation, as well as MTCMOS rush current analysis.

"SoC power integrity and power induced system noise are clearly the top challenges for the semiconductor industry," said Andrew Yang, CEO of Apache. "Power and noise is Apache's focus and we continuously invest in R&D to maintain our 'best-in-class' and 'first-in-class' leadership position. This enables us to address customers growing design challenges and cost reduction needs."

Pricing and Availability

RedHawk-NX will be available in Q1, 2009 as a no cost upgrade to all active RedHawk-EV customers.

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Autodesk Announces Three New Software Releases for the Mac

6 January 2009

To coincide with the annual Macworld Conference & Expo in San Francisco, Autodesk, Inc. announced that it has expanded its portfolio of Macintosh 2D and 3D software tools for entertainment, multimedia and design professionals. The three new 2009 products for Mac OS X are Autodesk Toxik procedural compositing software, Autodesk Mudbox digital sculpting and texture painting software, and Autodesk ImageModeler image-based modeling and photogrammetry software. As well, 2009 versions of Autodesk Maya 3D modeling, animation and rendering software and Autodesk Stitcher photo-stitching software are already available on the Mac.

"Given the growing adoption of Mac OS X and the production requirements of the Mac community, we're excited to offer these premiere creative tools to Mac artists," said Stig Gruman, Digital Entertainment Group vice president, Autodesk Media & Entertainment. "Autodesk's product offerings will empower artistic vision and provide Mac users with the tools to bring their creative ideas to life."

"Mac OS X Leopard, combined with our powerful Mac hardware, offers creative and design specialists a compelling platform for creating everything from stunning 2D visual effects to advanced 3D models for digital entertainment," said Ron Okamoto, Apple's vice president of Worldwide Developer Relations. "We're thrilled that Autodesk is expanding its Mac 2D and 3D software offerings for our creative professionals."

Autodesk Media & Entertainment Products for the Macintosh Platform

Autodesk Toxik 2009: The ideal companion to Maya 2009 software, this node-based digital compositing software brings integrated compositing and effects capabilities to independent 2D visual effects artists and large-scale film and broadcast facilities. Toxik 2009 facilitates collaborative, iterative workflows, and offers a suite of new tools to support stereoscopic productions and the creation of set extensions with real-time interactive high resolution compositing. Toxik 2009 for Mac OS X is expected to be available in English in March 2009. The Autodesk suggested retail price for Toxik 2009 is expected to be \$3,495 USD*.

Autodesk Mudbox 2009: An application for painting, texturing and re-touching 3D models. Mudbox software gives 3D modelers, artists and designers the freedom to create without worrying about the technical details. Breaking the mold of traditional 3D modeling applications, Mudbox 2009 provides an organic brush-based 3D modeling and texture painting experience that ignites the creative process. Mudbox 2009 for Mac OS X is expected to be available in English in February 2009. Autodesk suggested retail pricing for Mudbox 2009 is expected to be \$745 USD*.

Autodesk ImageModeler 2009: An image-based modeling and photogrammetry software that generates 3D models from photographs, giving architects, designers and entertainment content creators a new approach to 3D modeling. The software's three-step workflow lets users achieve photorealistic results with real-world accuracy. The Mac OS X version is expected to be available in English in March 2009. The Autodesk suggested retail price is expected to be \$995 USD*.

Autodesk Maya 2009: An integrated 3D modeling, animation, and rendering solution based upon an open architecture. Maya is used by film and video artists, game developers, multimedia designers,

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design professionals, and 3D enthusiasts to create lifelike digital images, realistic animation, and extraordinary visual effects. A 32-bit version of Maya 2009 is currently available in English and Japanese on the Mac OS X for Intel-based Macintosh computers. Autodesk suggested retail pricing is \$1,995 USD* for Maya Complete 2009 (Standalone) and \$4,995 USD* for Maya Unlimited 2009 (Standalone).

Autodesk Stitcher Unlimited 2009: Software that helps create wide-angle and panoramic images, up to 360 degree spheres. With an intuitive user interface and an automatic photo-merging engine, the software is ideal for generating virtual tours for the Web, backdrops for film and game productions, environment maps for 3D rendering and high-quality panoramic prints for artistic display. Stitcher Unlimited also interoperates with Adobe Photoshop software. Currently available for Mac OS X in English, French, German and Japanese. The Autodesk suggested retail price for Stitcher Unlimited 2009 is \$350 USD*.

*International pricing may vary.

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ecVision® Enhances Workflow Configuration Capabilities in Retail Supply Chain Software

6 January 2009

ecVision announced that with the release of XpressCommerce® version 9.0 this week, it has delivered greater configurability features for its user base. This key modification provides system administration-level users the ability to make post-implementation configuration changes to the software installation.

"ecVision is putting our customer demands and trends ahead of potential revenue stream by pushing configuration capabilities down to the customer," said Cheryl Layne, VP of Products at ecVision. "As the economy tightens up on IT budgets, we want to ensure that our customers have options to save money by utilizing internal resources to manage their software installations and take control of some aspects of the programming to modify business processes that are critical to the operation.

The business process relates to specific documents in the software system (i.e., purchase order, ASN, etc.) and establishes the logic of the information flow that enables the product to continue to move. Similar to a chain that connects one link to the next, a supply chain management software solution needs to link information between all of the parties involved in the product lifecycle. When all of the links are connected and the system is functioning efficiently, the information and goods are flowing.

XpressCommerce integrates with other technology solutions to create a single system of record for data and activities shared with others.

XpressCommerce® is a web-based solution that connects retailers to their supplier network and delivers the key functions of product lifecycle management (PLM) and supply chain execution (SCE) systems in a single solution. The key functionality in the system enables retailers to manage capacity and raw material reservations, global sourcing and costing negotiations, customer and purchase orders, track production and shipment milestones. The framework supporting this functionality includes strong collaboration, reporting and visibility tools to provide management teams with the ability to make proactive decisions about their product lifecycle and supply chain operation.

Additional updates to this product release include several enhancements to the UI, framework and functionality in the system. To learn more about ecVision's solutions, visit <http://www.ecvision.com>.

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EnSuite Enables Seamless Product Knowledge Sharing across the Enterprise

7 January 2009

EnSuite offers a complete solution for sharing of product knowledge across the enterprise. All departments in the enterprise including purchasing, manufacturing, quality control, packaging, marketing, customer service and engineering can use EnSuite to access product information stored in the master CAD data file. EnSuite eliminates the need of using expensive CAD systems or viewers and translators to access the product information, irrespective of CAD system in which the data was created.

“Product development and manufacturing is a collaborative effort between an enterprise’s internal and external teams. Cross-functional internal teams and the extended supply chain, which frequently is globally dispersed, need to work together to bring products to market. Global competition has forced compressed development schedules and severe cost pressures. In this environment it is critical that all stakeholders have timely and accurate product information at their fingertips,” says Vinay Wagle, V.P. Sales & Marketing for CCE.

Vinay adds, “Most companies now use CAD data as their product master to document all aspects of its design and manufacturing. However, CAD systems are still expensive, hard to use and not suitable for anyone except trained designers. This is further complicated when CAD data may be authored in different CAD systems based on best-in-class application usage. EnSuite provides an elegant and simple-to-use yet powerful solution to access this multi-CAD data in an affordable way.”

EnSuite provides tools to access Bill-Of-Materials of an assembly and to identify relationships among components (parent-child) to assist Purchasing department in make-or-buy decisions. Manufacturing support could access the same assembly and check for interference/clearance among mating parts and also to check individual feature dimensions (fillet radii, draft angles etc.) for manufacturability of part. They can also now compute the shape of the cope and drag of the casting part. Quality Control can access EnSuite’s compare tool for part-2-part, assembly-2-assembly and even point cloud-2-part comparisons for visual verification and QC of designed/manufactured parts. They can also use EnSuite’s redlining feature during design review/collaboration. Sales and Marketing can use EnSuite’s tools for quickly converting 3D CAD designs into illustrations for marketing collaterals, catalogs etc. They also have the opportunity to view the entire part/assembly in digital form much ahead of actual production eliminating the need for physical prototyping, if any. Customer service can leverage EnSuite’s explode assembly feature for accessing assembly instructions for complex 3D model repair on-site. If Packaging needs to determine the package shape/size of a part or assembly, they can do so using EnSuite at the click of a button. Engineering can open/view CAD files from multiple formats, create heterogeneous assemblies, locate individual parts in a complex assembly by simply using the ‘isolate’ tool and lots more. Add to that EnSuite’s capability of handling latest-version files from multiple CAD formats (CATIA V4, V5, SolidWorks, Pro/E, Unigraphics, Parasolid, IGES and STEP) makes it the tool-of-choice for enterprise wide and external supply chain interfacing usage.

The latest EnSuite update will be available to all active subscription license customers as well as to new customers.

For additional information, or to view demo videos, please visit <http://www.cadcam-e.com/EnSuite2>.

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JETCAM Releases v16.06.00 of JETCAM Expert

2 January 2009

JETCAM International s.a.r.l. announced the release of version 16.06.00 of JETCAM Expert CAD/CAM nesting software for all punching and profiling machines. Following on from the initial v16 release in 2008 the latest version adds a raft of new features and connectivity benefiting customer from all ends of the manufacturing scale.

Tool teach facilities have been added, which allows JETCAM Expert Premium systems to intelligently learn a user's tooling or profiling preferences. Once the preferences have been learned further parameters can be applied, such as the ability to allow or deny part mirroring or rotation. All subsequent parts that are tooled in the future that require the saved tooling style can then be processed automatically, saving time and reducing the possibility of error.

Automation from different CAD systems has been enhanced, with import filters added for SolidEdge, SolidWorks and Autopol now available. When used in conjunction with JETCAM's automated features such as SCAP (Single Component Automatic Processing) complete directories of CAD files can be imported, tooled, nested and NC code generated.

Finishing cut sequences, which appeared in the initial v16 release has been further enhanced, with features such as separate horizontal and vertical settings for start corner and direction.

Other features include web nesting, a number of machine specific features and support for several new machines.

JETCAM Expert v16 is available free to all customers with a current maintenance contract.

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Lattice Technology Releases XVL Plug-in for Adobe Acrobat 9 Pro Extended Software

8 January 2009

Lattice Technology announced its new XVL Plug-in version 1.2 for Adobe® Acrobat® 9 Pro Extended software.

Announced in June 2008, Acrobat 9 Pro Extended supports the major 3D CAD data formats, such as CATIA V4 and V5, NX, I-DEAS, JT, SolidWorks, Pro/ENGINEER, Autodesk Inventor, and many others. Lattice's new Plug-in developed using the Acrobat 9 3D SDK allows engineers to open any of the supported files formats directly in Lattice Technology's XVL Studio and Lattice3D Reporter applications.

Assemblies can be edited, animated, annotated and then shared with others using PDF. 3D Parts lists and BOMs created in Lattice3D Reporter and Microsoft Excel can be shared with others by using the Plug-in to deliver 3D data, parts lists and interrelated assembly tree data in PDF. The 3D PDF files created can be shared, and the 3D animations, interactivity and related assembly structure data can be viewed by virtually anyone, anywhere, using free Adobe Reader® software.

"3D PDF is rapidly becoming a standard for the exchange of 3D engineering data and it is important for our customers that we support all corporate data exchange standards they have," said Bill Barnes, GM, Lattice Technology. "Our digital manufacturing solutions nicely complement the PDF format, allowing engineers to enhance and leverage the 3D CAD data they have in PDF, while still maintaining their

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corporate standards for data. We are excited that our tools work so seamlessly with Acrobat 9 Pro Extended to deliver additional functionality to PDF including animations and 3D Parts Lists.”

“Adobe is excited to have Lattice Technology leverage the powerful new 3D capabilities of the Acrobat 9 SDK,” said Greg Baker, manufacturing strategic alliance manager, Adobe Systems Incorporated. “Companies like Lattice with deep expertise in manufacturing workflows are rapidly recognizing the value in providing their customers the ability to share design data with global supply chains in PDF.”

To leverage and extend 3D PDF data, customers need Acrobat 9 Pro Extended, the XVL Plug-In installed, and either XVL Studio or Lattice3D Reporter depending on their needs.

Information about the XVL Plug In for Adobe Acrobat can be found at:

http://www.lattice3d.com/products/products_PDF_3d_software.html

Demonstrations of the XVL Plug In for Adobe Acrobat can be found at:

<http://www.lattice3d.com/solutions/demos.html>

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Lectra Extends its Lead with a New Version of Lectra Fashion PLM

8 January 2009

Lectra announced the launch of the new version of its Product Lifecycle Management solution.

Lectra Fashion PLM V1R5 includes new, advanced functionalities for collection development process monitoring, giving management teams greater control over performance. This new version also presents benefits for PLM users’ partner companies, bringing greater simplicity and user-friendliness to the management of product development activities.

Lectra Fashion PLM

A real performance accelerator for fashion professionals, Lectra Fashion PLM facilitates the management of individual activities, tasks, and collaborative work throughout the whole product lifecycle—from the designer’s first ideas to the finished product, ready for sale.

Lectra Fashion PLM offers a collaborative working environment for the design, development, and manufacturing of all fashion products (apparel, footwear, accessories) as well as optimal collection management. It is the only PLM solution to incorporate applications for whole process management—line planning, product design and development, strategic sourcing, workflow management—and state-of-the-art applications for design (Kaledo), pattern-making (Modaris and PGS), virtual 3D prototyping (Modaris 3D Fit), and marker-making (Diamino and MGS).

To ensure the effective implementation of PLM projects, Lectra has more than 100 consultants and project managers in subsidiaries worldwide, with specialist knowledge of professions within the fashion industry and the sector’s particular challenges. Each project adapts Lectra Fashion PLM to the individual needs of the customer through a structured and thorough implementation program taking the constraints of collection management cycles into account.

Lectra’s sectoral expertise and project management methodologies devised especially for the fashion industry ensure that deadlines agreed for project implementation are respected. More importantly, our teams’ know-how enables them to offer optimal support of customers as they make the changes necessary for the implementation of such a strategic and collaborative solution.

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Lectra Fashion PLM V1R5 introduces major innovations in the Workflow Management application to reinforce managers' control over collection development and enable them to make better-informed decisions. The aim is to reduce time-to-market even as the number of collections produced increases. Specially developed for apparel manufacturers, these new developments relate to collection, product, and resource management.

Lectra has launched a new way of controlling the various steps in the development process: workflow alerts reflect the priority level of the relevant products, groups of products or collections. This innovation gives managers a broad overview of any related risks and their level of importance, allowing them to make the best decisions possible for the development of collections and their content. In addition, a new feature for timetable management allows users to visualize work schedules at any time, thereby ensuring better control of product development. Collection managers can now take corrective measures simply by modifying programmed "key milestones" to reflect the actual progress of activities. Product development can be followed in real time through a system of intelligent updates which react to the slightest change in schedule, recalculating deadlines which may be affected further down the line.

[Lectra](#) Fashion PLM V1R5 is equally innovative in terms of human resources management and facilitates an optimal allocation of workload. Departments are assigned work according to the actual time available, in order to identify and avoid potential bottlenecks. This new, intelligent version of Lectra Fashion PLM also offers another completely original feature: the possibility to analyze the level of performance of each activity in order to optimize future collection development schedules.

A specific solution for the fashion sector's challenges, Lectra Fashion PLM V1R5 is the result of Lectra's universally-recognized experience. Enhanced by a rapid and streamlined Workflow Management application, the solution is a real asset for professionals in this sector.

The new version of Lectra Fashion PLM is a precise response to issues surrounding product development.

Three new functions warrant special mention. A new tool for managing grading rules facilitates the creation of measurement tables. Lectra Fashion PLM V1R5 also offers a more extensive range of report templates for technical specifications, product progress updates, fit, colors, etc. Finally, the new version of Lectra Fashion PLM comprises an advanced search option which allows users to find a specific article at SKU level.

Lectra Fashion PLM V1R5 is intuitive and straightforward, offering user-friendliness, paving the way to increased productivity. An easily accessible "To Do" List, from which items can be checked off as they are completed, enables users to summarize and prioritize pending tasks. Data entry and processing are simplified, and the internal search engine allows users to conduct refined searches for items quickly and easily.

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New Geomagic Studio 10x Ships

7 January 2009

Geomagic is shipping a new version of Geomagic Studio software that adds powerful surface manipulation capabilities to its Fashion module while improving performance for point and polygon processing tools.

New in Fashion

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The Geomagic Fashion module in Geomagic Studio 10x automatically identifies, analyzes and corrects imperfections in scan data to create high-quality geometric and freeform surfaces that can be further manipulated in CAD. This greatly reduces the time required to bring physical forms into the digital realm for mechanical design applications such as new design and reverse engineering. Major new features and enhancements to Geomagic Fashion include:

- Constrained surface-fitting capabilities for perfectly aligning surfaces and correcting imperfections in the as-built model or scan data.
- Automatic surface extension and trimming capabilities for creating perfectly sharp edges between neighboring surfaces, making edges and surfaces faster and easier to manipulate downstream in CAD.
- Advanced tools that enable users to exclude regions of a mesh that deviate from the desired surface classification, resulting in a more accurate representation of the digitized part.

“Geomagic Fashion gets us from scanning to accurate CAD models in half the time of other software,” says Charles Evans, design analyst for Florida Turbine Services. “It’s simple to use, and even with complex shapes and less-than-desirable point clouds, the accuracy is fantastic.”

Better polygon models

Geomagic Studio 10x also includes enhancements that improve performance and quality of point and polygon processing. An improved algorithm for registration helps users create more accurate point clouds from scan data, and a new decimation methodology produces smaller, yet still accurate, polygon models.

Front-end for Class A surfaces

Geomagic Studio 10x with Geomagic Fashion further speeds, automates and simplifies the workflow of transforming scan data into a Class A surface model. Its capabilities make it an ideal complement to design tools such as Autodesk AliasStudio.

“Geomagic Studio 10x with Geomagic Fashion streamlines what was previously a time-consuming and tedious process of moving from points to polygons to Class A surfaces,” says Karl Matthews, director of product management for Geomagic. “In conjunction with AliasStudio, it allows designers to bypass challenging modeling procedures and concentrate on the design process.”

Solutions for specific applications

Geomagic Studio 10x comes in three editions to suit the needs of mechanical design and medical/scientific markets:

- **Geomagic Studio – Fashion Edition** is the premier product for mechanical design applications such as new design and reverse engineering. It includes Geomagic Fashion for automatically extracting design intent from scanned physical objects, providing the fastest way to go from scanning to CAD-ready surfaces.
- **Geomagic Studio – Shape Edition** is designed for medical and scientific applications where users want to create exact 3D replicas of organic objects such as bones or historical artifacts. It includes the Geomagic Shape surfacing module for creating water-tight NURBS surfaces.
- **Geomagic Studio – Complete Edition** is ideal for mechanical designers who want to extract design intent from existing objects and perform FEA and CFD analysis on as-built parts. This edition includes Geomagic Fashion for design work and Geomagic Shape for creating models of as-built parts.

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A complete listing of new functionality in Geomagic Studio 10x, descriptions of Geomagic products, and a feature comparison for the three different Studio editions can be found on the Geomagic web site: <http://www.geomagic.com>.

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Synopsys DesignWare Controller and PHY IP for PCI Express Successfully Pass PCI-SIG 2.0 Compliance Testing

7 January 2009

[Synopsys, Inc.](#) announced that its DesignWare® digital controller and PHY IP for the PCI Express® 2.0 technology is the first complete, single-vendor PCI Express 2.0 IP solution to successfully pass the PCI Express 2.0 compliance testing at the PCI-Special Interest Group (PCI-SIG®) workshop held in Taiwan in October 2008. Passing PCI Express 2.0 compliance testing helps ensure interoperability while reducing risk and time-to-market for designers incorporating the complex, high-performance interface. As the only IP vendor to offer a complete, silicon-proven and compliant PCI Express 2.0 solution consisting of digital controllers, PHYs and Verification IP, Synopsys continues to demonstrate industry leadership.

The PCI Express 2.0 specification doubles the 1.1 specification transfer speed from 2.5 Gbps to 5.0 Gbps per lane, helping to meet the demand for increased bandwidth in data center, servers, networking and storage applications. Backward compatibility with PCI Express 1.1 allows designers to increase performance, while maintaining interoperability with existing devices.

The DesignWare digital controllers for PCI Express 2.0 fully support the PIPE interface standard and the PCI-SIG I/O Virtualization (IOV) suite of specifications. Synopsys offers digital controllers for Endpoint, Root Complex, Switch and Bridge applications. In addition, designers implementing the ARM AMBA® 3 AXI™ and AMBA AHB™ on-chip interconnect can add PCI Express 2.0 functionality to their SoC designs by using either the DesignWare Bridge IP for PCI Express to AMBA 3 AXI or AMBA AHB.

"The enhanced performance available with the PCI Express 2.0 interconnect standard helps address the increased bandwidth requirements in next-generation enterprise computing infrastructure applications," said Al Yanes, PCI-SIG chairman and president. "We are happy to see that Synopsys, an active member of PCI-SIG, continues to support the PCI Express standard in the market by providing IP solutions that enable designer to integrate the PCI Express interface into their products."

The DesignWare PHY IP substantially exceeds key PCI Express 2.0 specifications in the areas of jitter, margin and receive sensitivity thus delivering a robust design that tolerates process, voltage and temperature variations. Embedded high-speed mixed signal IP, such as a PCI Express 2.0 PHY, can pose significant testing challenges in terms of development time, coverage and equipment cost. With the DesignWare PHY for PCI Express, at-speed production testing can be conducted on a pure digital tester by using the supplied ATE test vectors for full compliance eye-mask testing. This eliminates the need for expensive test equipment, enabling designers to speed development time and lower costs. Furthermore, the advanced built-in diagnostics capabilities provide customers with an on-chip sampling scope for quick debug of the SoC.

The DesignWare Verification IP for PCI Express 2.0 supports directed testing and the constrained random methodologies defined in the Verification Methodology Manual (VMM) for SystemVerilog. To help designers test the integration of the DesignWare digital controller IP in their SoC designs, the

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DesignWare Verification IP is included with the DesignWare digital controller for PCI Express 2.0.

"As a leader in PCI Express IP, Synopsys has hundreds of design wins with our DesignWare PCI Express solutions, and our customers are shipping PCI Express 2.0-based designs in high volume production today," said John Koeter, vice president of marketing, Synopsys Solutions Group.

"Achieving compliance for our complete IP solution enables designers to lower interoperability risks and speed time to market for their PCI Express products."

Availability

The DesignWare PHY IP for PCI Express 2.0 is available in x4 and x8 lane widths in leading 65-nm foundry processes. The DesignWare digital controller IP for designing Endpoint, Root complex, Dual Mode, Switch and Bridge PCI Express 2.0 devices are available now. The DesignWare Verification IP for PCI Express 2.0 is available now, bundled with the digital controller, as a standalone product, and included in the DesignWare Library and VCS® Verification Library.

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ZWSOFT Releases ZWCAD 2009, its Most Efficient CAD Software Ever

5 January 2009

ZWCAD Software Co., Ltd. (ZWSOFT) announced the official release of ZWCAD 2009. With native DWG format compatibility, ZWCAD 2009 simplifies drawing solutions through improvements in its working efficiency.

ZWCAD 2009 increases the working efficiency of designers through a number of factors. To assure greater stability, many functions have been rewritten. Its new automated backup function protects users from unexpected operating system crashes. As part of its strict debugging and quality assurance program, ZWCAD engineers used an automated test system to repeatedly check and evaluate the stability of 20,000 drawings in ZWCAD 2009.

Continued improvement in speed contributes to higher efficiency for ZWCAD users. Overall performance has been improved in a large number of crucial functions, such as RefEdit, Insert, PasteClip, Explode, Regen, Stretch, Trim, and Extend.

Thanks to the improved Undo\Redo and the addition of new functions like the Aerial View window, eTransmit command, jogged and arc length dimensions, filters, and multiple grips editing, designers can complete their projects with ZWCAD 2009 more easily and efficiently. By developing these commonly used commands the company has listened to its customers and partners to produce a system which is comprehensive, flexible and quick to operate.

ZWCAD 2009 provides a platform for professional application developers. The improved DRX programming interface (similar to ARX in AutoCAD®) allows design professionals to expand ZWCAD 2009 and develop their applications with greater efficiency. By creating custom objects for their particular industry, users will be able to tailor the system to suit their individual requirements.

"ZWCAD 2009 was produced with the impressive effort of our 150 software engineers and with many valuable suggestions of our partners and ZWCAD users," said Truman Du, CEO of ZWSOFT. "This milestone version as a whole enables designers to create drawings quickly and easily with considerable cost savings."

ZWCAD 2009 English is available through free downloads starting today, according to Truman Du. In

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the following months, six multilingual versions (Czech, German, Japanese, Polish, Russian, and Spanish) will also be implemented actively to meet the requirements of local users.

For more details about ZWCAD 2009, please refer to <http://www.zwcad.org>.

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