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Acquisitions

Synopsys Acquires VaST Systems Technology Corporation

2 February 2010

[Synopsys, Inc.](#) announced it has acquired VaST Systems Technology Corporation to extend its virtual prototyping solutions into the automotive and consumer application space. The acquisition adds a comprehensive set of processor sub-system models frequently found in automotive and consumer applications to Synopsys' virtual prototyping portfolio. Processor sub-system models allow developers to accelerate the virtualization of electronic systems and to start software development nine to 12 months prior to the availability of silicon.

"In order to meet the stringent development requirements associated with today's growing electronics and software content in automotive and consumer products, developers are virtualizing their electronic sub-systems to start software development earlier, improve their productivity and deliver better-tested, higher quality products," said Joachim Kunkel, senior vice president and general manager of the solutions group at Synopsys. "By adding VaST's complementary virtual prototyping solutions to Synopsys' existing virtual and rapid prototyping product portfolio, we can deliver a robust system prototyping solution to automotive and consumer application developers."

Virtualization is a key technology to improve software development productivity and system verification. Virtual prototypes enable pre-silicon software development and complement traditional hardware/software verification approaches. They represent one of the fastest-growing opportunities in the system-level design and verification market segment.

The terms of the deal, which closed February 1, are not being disclosed. Synopsys does not expect the transaction to have a material impact on 2010 revenue or earnings per share (EPS).

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Company News

Agilent Technologies' Collaboration with CMC Microsystems Provides EDA Tools to Universities and Colleges Across Canada

3 February 2010

Agilent Technologies Inc. announced a collaboration with CMC Microsystems that will benefit academic institutions across Canada. Under the terms of the collaboration, students, teachers and researchers at Canadian Universities and Colleges may obtain the company's suite of [Agilent EEsof EDA software](#), at preferred rates from CMC Microsystems. The collaboration provides students, teachers and researchers with access to electronic design automation (EDA) software for RF, microwave and signal integrity applications.

"CMC Microsystems provides microsystems' researchers, teachers and students with industry-caliber design resources, access to state-of-the-art prototyping technologies, tools for test, and support services," said Lynda Moore, director of Supply and Services, CMC Microsystems. "Delivering cost-effective access to the Agilent EEsof suite of software tools is yet another step in fulfilling that mission. By continually stimulating innovation in microsystems' research, we are fostering the development of

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highly qualified people who create new products, companies and jobs -- all of which are vital to fueling all sectors of the economy.”

“We realize the critical role universities and colleges play in pushing the limits of modern EDA tools, and we are committed to supporting the needs of universities and colleges,” says P.K. Lam, account manager with Agilent Technologies. “Our collaboration with CMC Microsystems enables us to make a significant contribution to the future of microelectronics and gives universities and colleges across Canada access to our EDA resources, empowering further scientific success in academia.”

CMC Microsystems will manage access to Agilent’s EEs of software in Canada through the Agilent EEs of EDA University Teaching Donation and Academic Research program. Interested universities and colleges can send inquiries to Lynda Moore, director of Supply and Services at CMC Microsystems. For inquiries about the program, call (613) 530 4656 or moore@cmc.ca.

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AIA Board of Directors Approved Statement on Interoperability

2 February 2010

AIA Board of Directors approved a statement on interoperability supporting the use of open standards for Building Information Models.

Position Statement 31. Interoperability

The AIA believes that all industry-supporting software must facilitate, not inhibit, project planning, design, construction, commissioning and lifecycle management. This software must support non-proprietary, open standards for auditable information exchange and allow for confident information exchanges across applications and across time. This is best accomplished through professional, public- and private sector adoption of open standards. The AIA encourages its members and other industry organizations to assume a leadership role in the ongoing development of open standards. (approved December 2009)

The above is an excerpt from the "[Directory of Public Policies and Position Statements](#)" (PDF) issued December 2009 by the AIA Board of Directors.

We offer this as a challenge to other associations to take a similar position or to endorse the AIA's statement.

For more information, the complete body of the position statement is available [here](#). (PDF)

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BlueCielo Appoints New CEO to Support Next Phase of Growth

1 February 2010

BlueCielo ECM Solutions announced the appointment of Luuth van der Scheer as the company’s new Chief Executive Officer (CEO). As an experienced and well-respected chief executive van der Scheer brings more than 30 years of leadership experience in the infrastructure and process industries. Van der Scheer has been named CEO to support the next phase of growth in BlueCielo’s strategy. Martijn Janmaat, also a major shareholder of the company, will focus solely on the Latin American market and remain as President.

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“BlueCielo ECM Solutions is a pioneer in the Engineering Content Management market transforming how owner/operators and infrastructure companies manage asset information to improve their business processes,” said Luuth van der Scheer, CEO of BlueCielo ECM Solutions. “In my new role, I look forward to having BlueCielo ECM Solutions create more value for our customers and partners, to accelerate our product innovation and to take on the company’s growth opportunities.”

“Luuth is the right leader to take BlueCielo ECM Solutions to the next phase,” said Martijn Janmaat, President of BlueCielo ECM Solutions. “Luuth possesses the right combination of leadership experience and industry expertise. As an experienced CEO he has what it takes to further strengthen the status of BlueCielo ECM Solutions as the leading engineering content management solutions provider for owner/operators.”

Martijn Janmaat has led the company since June 2005 during a phase of successful strategic repositioning and rapid expansion. He has decided to hand over the corporate executive responsibilities in order to lead the company’s strategic growth in Latin America. “With the appointment of an experienced CEO such as Luuth I am able to focus on our markets offering the biggest growth potential in the world – Brazil and the rest of Latin America,” said Martijn Janmaat.

Prior to joining BlueCielo ECM Solutions, van der Scheer served as CEO of HITT NV. HITT is a publicly listed international company in the Euronext Amsterdam stock exchange focusing on traffic management and navigation systems in the marine and aviation industries. Under the leadership of van der Scheer the company profitably grew from €15 million to €30 million. HITT experienced strong international expansion serving markets in Europe, UK, North America, and China. Van der Scheer was CEO from 1999 to 2007. Since 2007 he has been a strategic consultant and interim manager. Van der Scheer began his career by Hoogovens, which later became Corus, a leading steel manufacturer. Here he held a number of leadership positions including general management roles in international markets such as Canada and Belgium.

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D-Cubed 2D DCM in Applications Which Use DWGdirect from the Open Design Alliance

2 February 2010

The D-Cubed product development team is working on an integration wrapper between the D-Cubed 2D DCM and DWGdirect. This will help application developers that use DWGdirect to introduce 2D DCM constraint solving into their products more rapidly.

DWGdirect offers members of the Open Design Alliance (ODA) a development framework for CAD and technical graphics applications that need to support the DWG file format. The 2D DCM (Dimensional Constraint Manager) provides dimension driven, constraint based design, and is used in AutoCAD 2010 from Autodesk, along with many more of the world’s leading CAD systems, including Siemens PLM Software’s own NX and Solid Edge.

Siemens PLM Software is a longstanding Founding Member of the ODA, and the D-Cubed product development team is interested in working with potential early adopters of constraint functionality among the ODA membership to discuss their input into requirements for features and interface design. Interested parties can contact d-cubed.support.plm@siemens.com.

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KETIV Technologies Announces a New Office in Portland, Oregon

1 February 2010

[Kanwar Anand](#), President and CEO of KETIV Technologies, a leading [Autodesk authorized Value-Added Reseller \(VAR\)](#), announced the opening of offices in Portland, Oregon. The new office is located at 10260 SW Greenburg Road, 4th Floor, Portland, OR 97223.

Consultant Ray Fagan will head-up the office to serve clients in the MCAD industry of the Pacific Northwest. The office will serve Oregon and parts of Washington.

“In a sense, this is returning to our roots,” said Anand. KETIV was founded in Portland by Ken Paul and Bob Palioca in 1983.

“The market has grown dramatically,” explained Anand. “Our analysis confirms that there is a need in the region for the enhanced level of service and support we provide. We are committing time and resources to get to know each client—and their businesses—so that we can support their success.”

KETIV Technologies is a leading Autodesk solutions provider with 25 years' experience delivering CAD software and services in California, Arizona, Nevada, Oregon. Focused on the manufacturing, civil engineering and process plant industries, KETIV's team of industry experts increase the profitability of engineering companies by helping them simplify the process of conceptualization, design and production.

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Kubotek USA Donates Software for SkillsUSA Championships Contest

4 February 2010

Kubotek USA is providing its KeyCreator software to support SkillsUSA Championship competitions and students nationwide. The donation will provide KeyCreator software to local, statewide and national level SkillsUSA competitions for use by students, and fully licensed versions of KeyCreator will be given as prizes to student winners of state and national level contests.

“It’s important for students to be exposed to 3D direct CAD, especially as companies in the supply chain begin shifting away from popular history-based CAD software,” states Scott Sweeney, Vice President, Kubotek USA. “[KeyCreator is a 3D Direct Modeler](#) that is perfect for students—easy to learn, easy to use and great for conceptualizing new designs. Students can focus their energy into learning how to apply design concepts and not just a software package.”

SkillsUSA is a national nonprofit organization serving teachers and high school and college students who are preparing for careers in trade, technical and skilled service occupations, including health occupations. Students can showcase their occupational and leadership skills in competitions, culminating with the annual national level SkillsUSA Championships. The vision of SkillsUSA to bring students, teachers and industry together to ensure America has a skilled workforce resonates profoundly with Kubotek.

Students competing in the following contests will be eligible for KeyCreator, as well as free, online training: Architectural Drafting, Automated Manufacturing Technology, Engineering Technology, Technical Drafting, Precision Machining Technology, CNC Milling and CNC Turning. Interested students can visit [Kubotek’s website to fill out a grant form](#).

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NIHON AUTOMOBILE COLLEGE Adopted ThinkDesign to Educate Mechanical Engineers for Next Generation Eco-Cars

4 February 2010

[Think3 Inc.](#) announced that NIHON AUTOMOBILE COLLEGE has chosen ‘ThinkDesign’ and ‘Reshape’ as teaching materials in its CAD classes for third and fourth level students.

[NIHON AUTOMOBILE COLLEGE](#), also known as Nihon Automobile Technical School (NATS), is based in Chiba Prefecture, Japan. It is a college specializing in the mechanical engineering of automobiles and motorcycles. Established in 1989, 800 students are studying at the college. More than 5,000 students have graduated from the college and 100% of graduates find employment as mechanics and engineers in automobile maintenance firms and major automobile companies.

Mr. Hidenobu Hayashi, Director of the Education Department at NIHON AUTOMOBILE COLLEGE, comments on ThinkDesign as follows:

‘I think that ThinkDesign will enhance the surface modeling and car exterior design skills of all students who attend CAD class at our college. It is obvious that an EV car with an Electric Motor needs less mechanical parts; this situation gives us more free space in a car for interior and exterior design. Therefore, in future there is the possibility for having more variations in design, and the skills for the product design (like the exterior design) will be as important as the mechanical skills. Soon, next generation cars like EV will represent the mainstream of the car market. At that time, the skills on exterior design based on mechanical knowledge of the automobile will be required of every student.’

The purpose of this class is to study CAD operation, not only general CAD-modeling but also the unique design requirements of automobiles and motorcycles, considering materials, complex mechanisms and frameworks. The CAD class was established in 2000: students attended this class as part of their third and fourth level courses. All students who attended this class are already aware of the basic mechanical principles of automobiles and learn how to change design with a CAD system practically.

‘There are two courses related to exterior design and customization, ‘CAR customization course’ and ‘Motorsports course’. These two courses require students to change the exterior designs based on existing basic car designs, taking into account common regulations. Students actually make exterior designs by themselves, adopting Reshape and GSM3 in the process.’

‘The surface modeling functions provided by ThinkDesign and GSM3 provide freedom of creativity of automobile and motorcycle design. And skill with ThinkDesign will help during the transition period of automobile manufacturing when EV cars will become a mainstream of automobile society. My students will be experts in this field in near future.’

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PTC Expands Global CoCreate Partner Network to Service Expanding Customer Base

2 February 2010

PTC announced that it signed 10 new partners during the second half of 2009 in order to meet increased demand for the [CoCreate®](#) product family around the globe and further expand its channel network. PTC provides these new partners the right to offer the CoCreate product family, [services](#), [training](#) and

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[support](#) to new and existing customers in selected geographies. The CoCreate product family is PTC's explicit modeling CAD design environment, which includes 3D and 2D CAD, integrated product data management (PDM) and collaboration software. Companies that need a lightweight design process can achieve faster design cycles with the flexibility of the PTC explicit approach to 3D CAD.

Expansion in North America

CoCreate solutions are now being offered by five new partners in North America: TriStar, EAC, NxRev, 3HTI and BRT Solutions.

TriStar (<http://www.tristar.com>) is North America's top provider of PTC Software and Certified Training services, and a leader in PLM and engineering [consulting services](#).

EAC Product Development Solutions (<http://www.eacpds.com>) is a global provider of engineering products and services and a complete source for product development solutions for the manufacturing, engineering and design industries.

NxRev (<http://www.nxrev.com>) is the largest PTC platinum partner on the west coast specializing in the sale and support of the entire suite of PTC software.

3 H Technology Institute, LLC, better known as 3 HTi (<http://www.3hti.com>) are experts in Product Life Cycle Management (PLM), helping customers attain significant results by fully applying technology to achieve an outstanding return on investment.

BRT Solutions of Canada (<http://www.brt-solutions.com>) markets, supports and develops software solutions that help optimize a manufacturer's Product Development Processes.

Expansion in Europe

New partners across Europe will offer CoCreate in new and existing geographies: Econocap OY will offer CoCreate solutions in Norway, Finland, Sweden, Denmark and Poland; IPM Solutions in Slovakia; and S&T Unitis in Hungary. Other new partner territories include Slovenia and the Czech Republic.

Econocap OY (<http://www.econocap.com>) is the largest solution provider for PTC product development solutions in Northern Europe and Poland.

IPM Solutions, Ltd. (<http://www.ipmsolutions.sk>) sells and supports PTC products in Slovakia, with distribution rights for PTC products in Eastern and Middle Europe.

S&T Unitis Hungary Ltd (<http://www.snt-world.com>) supports Hungarian manufacturers with effective product development and product lifecycle management solutions, including CAD/CAM.

SCIROTEC GmbH (<http://www.scirotec.de>) sells and supports PTC solutions in Germany. Additionally, SCIROTEC is a [CoCreate Sheet Metal](#) specialist. Also a TRUMPF business partner, SCIROTEC is responsible for the support of TRUMPF CoCreate CAD customers and processes. SCIROTEC professionals are PTC PLM solution experts.

Expansion in Southern Asia

New partner, RevTech will offer CoCreate solutions throughout Singapore and Malaysia.

RevTech (<http://www.revtech.com.sg/>) a division of Revelation International, is a Singapore-based technology sales, marketing and distribution company with offices throughout South East Asia.

"These new alliances will help PTC meet the ever growing customer demand for Co Create, which continues to command a majority share of the explicit CAD market worldwide," said Justin Teague,

general manager, CoCreate. "We believe that offering access to the unmatched resources, expertise and stability that our partners provide enables PTC to deliver additional value to its CoCreate customers and the CAD/CAM market as a whole."

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Events News

Announcing the COE 2010 Conference Keynote and Important Registration and Hotel Deadlines

February 2010

The [COE 2010 Annual PLM Conference & TechniFair](#), April 18-21, 2010 in Las Vegas provides necessary education and training on optimal usage and implementation of the Dassault Systèmes PLM solutions product suite - CATIA®, ENOVIA®, DELMIA®, SIMULIA® and 3DVIA®.

At this event there will be 100+ technical sessions, 20+ hands-on training sessions and endless networking opportunities in just three days.

Announcing the COE 2010 Annual PLM Conference Keynote Speaker

John Unsworth, CAD Strategy Manager at Bentley, travels from Bentley's home in Crewe, England, to present his keynote address, [Bentley Develops Mulsanne Using Dassault Systèmes-Focused CAX Strategy](#). Join John, Monday, April 19, as he details what this initiative meant for Bentley and how the company has achieved results.

To learn more about John's presentation and view all general session speakers and presentations, visit the [general session](#) page. For a full overview of all technical sessions offered at this year's conference, download the [session schedule grid](#).

Mark Your Calendars for COE's Important Deadlines - February 19 and March 1

[Register](#) for the COE 2010 Annual PLM Conference & TechniFair on or before Friday, February 19 to **receive \$300 off** the full conference rate. The registration fee includes access to all general sessions, technical sessions, Product Function (DPC) Sessions COE University sessions, meals as well as access to the COE TechniFair and all networking events.

[Reserve your room](#) at the Rio All-Suite Hotel at the new **LOW rate of \$59 per night**. A non-refundable deposit of \$59 is required to receive this rate. Contact the Rio All-Suite Hotel by March 1 to secure the \$59 rate.

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BOXX Demos World's Fastest SolidWorks Workstation at SolidWorks World 2010

1 February 2010

BOXX Technologies, an innovator in high-performance computing systems for visual effects, post production, product design, and advanced visualization, announced that their [3DBOXX 4850](#) Series workstation, the world's fastest single processor solution available for running SolidWorks, will demonstrate the 3D CAD software in the BOXX booth (# 714) at SolidWorks World 2010. Held Jan. 31-Feb. 3 in Anaheim, CA, SolidWorks World features the latest in 3D CAD technology from over 100 exhibitors, as well as networking and educational opportunities. Film director James Cameron, fresh off

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the success of his box-office hit "Avatar," will deliver the keynote address.

The BOXX presence at SolidWorks World precedes an upcoming case study (to be released in February) which will highlight BOXX reliance on SolidWorks software in the design of all BOXX solutions, including the 4850. Featuring Intel® Core™ i7 processors, 3DBOXX 4850 workstations are certified by DS SolidWorks to run all 2010 SolidWorks 3D mechanical CAD and Simulation software products. As an official SolidWorks Solution Partner, BOXX works with the industry leader to provide innovative solutions for product design and development.

"BOXX workstations are ideal platforms for DS SolidWorks," said Nick Iwaskow, Manager, Alliances, Dassault Systèmes SolidWorks Corp. "As SolidWorks users themselves, BOXX relies on years of knowledge and experience to develop professional hardware solutions that both meet our standards and result in a positive experience for the end-user."

For further information, contact a BOXX Sales Consultant in the US at 1-877-877-2699. Learn more about BOXX accessories, and how to contact one of their worldwide resellers, by visiting

www.boxxtech.com.



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CGTech to Exhibit Latest Release of VERICUT at WESTEC

29 January 2010

CGTech will exhibit version 7 of VERICUT CNC machine simulation and optimization software at the SME WESTEC show:

WESTEC Booth 2400 Los Angeles, CA March 23-25, 2010

VERICUT Product/Function Overview:

VERICUT is CNC machine simulation, verification and optimization software that enables users to eliminate the process of manually proving-out NC programs. It reduces scrap loss and rework. The program also optimizes NC programs in order to both save time and produce higher quality surface finish. VERICUT simulates all types of CNC machine tools, including those from leading manufacturers such as Mori Seiki, Mazak, Makino, Matsuura, Hermle, DMG, DIXI, and Chiron. VERICUT runs standalone, but can also be integrated with leading CAM systems such as Catia V5, NX, Pro/E, MasterCAM, EdgeCAM and GibbsCAM.

VERICUT 7 features significant performance-improving enhancements that reduce the time required for manufacturing engineers to develop, analyze, inspect and document the CNC programming and machining process. Instead of focusing on new features or add-on modules, CGTech developer resources have focused on diligent code optimization and over 500 customer-driven enhancements.

"For VERICUT 7.0 we focused on the customer's use of VERICUT and how we could improve it," said Bill Hasenjaeger, Product Marketing Manager. "We modified the user interface to create a more natural and obvious sequence to the most common user actions. The user's interaction has a top-down flow through its graphical tree layout, with context sensitive choices that appear as the user moves along in the NC program simulation."

[CGTech](#) will also be demonstrating VERICUT Composite Applications at WESTEC. VERICUT Composite Applications are machine-independent off-line programming and simulation software solutions for automated composite tape and fiber-placement CNC machines. There are two separate

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applications: VERICUT Composite Programming (VCP) & VERICUT Composite Simulation (VCS).

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COADE Webinar on Feb. 4 on new CAESAR II Loop Optimization Wizard

2 February 2010

COADE announced that a webinar on the new Loop Optimization Wizard incorporated into CAESAR II version 5.20 has been scheduled for 12 Noon CST on February 4, 2010. During the webinar, participants will learn how the wizard helps users with expansion loop design and see the steps in the process, including a demonstration on how to specify loop elements, loop types, items to be optimized and target values.

Leading the webinar will be Richard Ay, vice president of Software Development at COADE, who oversees the development of the company's plant engineering products. Ay, a licensed Professional Engineer, holds a BS in Ocean Engineering, an MS in Civil Engineering and has years of experience in engineering analysis and software development. More information on the webinar can be found at <http://coade.typepad.com/coadeinsider/2010/01/caesar-ii-webinar-february-4.html>. To register for the webinar, please go to <https://www1.gotomeeting.com/register/455068496>.

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Delcam Launches Integrated CAM for SolidWorks

3 February 2010

Delcam launched its integrated CAM system for SolidWorks at this week's SolidWorks World 2010 exhibition in Anaheim, California. This initial version of Delcam for SolidWorks includes the company's technology for drilling and two- through five-axis milling. Future releases will cover the full range of machining operations, including turning, mill-turn and wire EDM.

Delcam for SolidWorks combines the benefits associated with Delcam's PowerMILL and FeatureCAM CAM systems. It is based on Delcam's proven machining algorithms that are already used by more than 30,000 customers around the world. For example, the software will offer PowerMILL's exceptional speed of toolpath calculation, plus all of advanced strategies for high-speed machining, including trochoidal roughing, spiral finishing and Delcam's patented Race-Line Machining technique. These strategies ensure increased productivity, maximum tool life and immaculate surface finish, even when cutting the hardest, most challenging materials.

At the same time, Delcam for SolidWorks will have the same strong focus on ease of use as FeatureCAM, including all of the knowledge-based automation that makes it so consistent and reliable. Most importantly, the software will include FeatureCAM's Automatic Feature Recognition system which automatically extracts detailed feature information from the SolidWorks model. The system not only recognizes holes and pockets within the model but also groups similar holes by size and type automatically. It identifies all the detail within the model, such as draft on pocket walls and any fillets or chamfers within the pocket. Once the features have been identified, Delcam for SolidWorks undertakes automatic selection of cutting tools, machining strategies, and feeds and speeds, to complete the programming operation.

Delcam for SolidWorks will, of course, be fully integrated into the SolidWorks environment so that the

CIMdata PLM Industry Summary

program looks and behaves like SolidWorks. It will offer full associativity so that any changes in the CAD model will be reflected automatically in the toolpaths. However, this associativity will be more intelligent than that offered in many other integrated CAM systems. Delcam for SolidWorks will not simply modify the existing toolpaths but will also review the choice of cutting tools and machining strategies, and change them if necessary.

All toolpaths generated with [Delcam](#) for SolidWorks can be checked by the integrated simulation module on the computer before being passed to the machine tool. Finally, the software comes with Delcam's full range of post-processors to allow fast accurate data transfer to all leading types of machining equipment.

Delcam for SolidWorks marks a new direction for Delcam. Previously, the company has supplied all of its machining software as stand-alone systems that can be linked to any CAD program. "We have received many requests from customers that want to be able to undertake their CAM programming from within the SolidWorks environment," explained Tom McCollough, Vice President of FeatureCAM Development, who has overseen the creation of the new program. "Delcam for SolidWorks provides direct access to Delcam's CAM algorithms from within this leading design software."

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ESI Will Speak at IQPC Innovative Seating Conference 2010 in Frankfurt

4 February 2010

[ESI Group](#) announced its presentation at the [IQPC Innovative Seating Conference](#), to be held on February 8 to 10 in Frankfurt, Germany. [ESI](#) is also sponsoring the conference for the fifth consecutive year as it is a major event for the Comfort and Seat Designers community, aimed at sharing inside information on Intelligent Seating Solutions.

Entitled '*Multi-Domain Integrated Simulations for [Virtual Seat Prototyping](#)*', the paper will be presented by Christian Marca, ESI's Seat Design Product Manager, on February 9. Aimed at demonstrating a new way to handle seat design, the paper will cover a number of common challenges, including chaining simulations for Virtual Seat Manufacturing, Occupant Seating and Comfort, Occupant Safety, Thermal Comfort and Aero-Acoustics Absorption.

The 3 main objectives of the paper are to demonstrate:

1. Improvements in predicting the BioRid (dummy model) safety simulations by chaining seating and safety simulations
2. Better prediction of car interior acoustic response by chaining seating and acoustics simulations
3. Increase in seat comfort thanks to a complementary approach for comfort analysis: chaining seating and thermal simulations

Delegates can also find out more about [ESI's](#) solutions for [Virtual Seat Prototyping](#) by visiting [ESI's](#) booth in the exhibition area.

For further information, please refer to: <http://www.esi-group.com/pam-comfort>

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ESPRIT 2010, by DP Technology, at Industrie 2010, Paris, France March 22-26

4 February 2010

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[DP Technology](#) will exhibit ESPRIT 2010, the latest version of its software, at Industrie 2010, set to take place March 22-26 in Paris, France.

With 1,000 exhibitors and an anticipated 25,000 visitors, Industrie is a major European showcase for the cutting edge in virtually every aspect of the machining industry. From CAM and CAD solutions to materials, machine tools and components to storage and disposal, Industrie is a resource that provides a comprehensive picture for streamlining operations to save time and money.

ESPRIT will be on display at booth No. 5055, where knowledgeable representatives of DP Technology will be available to discuss vital upgrades and perform demonstrations of how those upgrades can be put to work for you.

Every ESPRIT user will enjoy the benefits of an all new, faster-to-use, graphical user interface (GUI) used to define machining operations throughout ESPRIT. This new tree- style GUI is used to define machining parameters used for cutting parts in milling, turning and wire EDM programming.

In addition to an array of upgrades that are of benefit to all programmers, the machining of pockets has just become significantly easier with ESPRIT 2010 due to advancements in feature recognition. The upgraded advanced feature recognition now automatically recognizes pockets with any combination of open and closed walls, fillets, chamfers and tapered walls.

Including major upgrades to milling functions, ESPRIT 2010 features several new 3-axis milling cycles, new-and-improved 5-axis cycles, feature-based machining for all FreeForm cycles and the ability to define a third rotary axis for milling machines.

New knitted surfaces for parametric machining and advanced pocket feature recognition are also among milling upgrades, as well as associativity with CAD (computer-aided design) models.

Advances made to ESPRIT's Wire EDM functions include a new cycle for 4-axis pocketing and new technology for EDM machines equipped with a rotary axis.

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i GET IT® Announces New Features and Promotion at SolidWorks® World 2010

1 February 2010

i GET IT® will feature its most recently available courses – SolidWorks® 2010 Large Assembly Best Practices, and SolidWorks 2010 Weldments – at SolidWorks World 2010, January 31 – February 3 in Anaheim, Calif. In addition, the company will launch a month-long special offer that will allow users access to SolidWorks Professional and SolidWorks Premium training bundles at 50 percent off the regular course fee.

“i GET IT is a scalable, affordable, and easy to use eLearning training solution for engineering companies that allows them to increase productivity and reduce errors,” said Dan Miles, Vice President – Tata Technologies iProducts. “This is achieved by providing ongoing training that is available anytime, anywhere, to overcome the issue of people stepping away from real production work for training.”

Miles also announced the launch of a new i GET IT Web site featuring advanced interactive reporting, a simplified user login, and allows for creation of custom content and assessments included in standard training bundles. Users can experience the new site at: www.myigetit.com/solidworks.

CIMdata PLM Industry Summary

At SolidWorks World 2010, Tata Technologies also will launch a month-long promotion offering i GET IT for SolidWorks at half the regular course fee – less than \$199. This special offer includes the SolidWorks Professional Bundle and the SolidWorks Premium Bundle. The offer is good through February 28. Visitors to Booth 718 at SolidWorks World can get full information about this offer, or they can visit www.myigetit.com and enter the coupon code “SWXWORLD2010” during checkout on these select bundles.

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Infosys at the 4th Annual Pharmaceutical PLM Conference on March 3-4, 2010

25 January 2010

Date: March 3-4, 2010

Time: 09:00 – 17:00 GMT

Venue: BSG Conference Centre, London, U.K.

Event Overview

Pharmaceutical and biopharmaceutical companies are under pressure to improve the pipeline of new products and accelerate time-to-market. They also face challenges in increasing the margins of existing products, while adhering to quality principles and regulatory requirements. It is imperative that companies address these challenges to stay competitive, increase revenue, enhance profit, and reduce the risk of non-compliance.

Visiongain's 4th Annual Pharmaceutical PLM Conference features keynote addresses, presentations, case studies, and interactive discussions from development to commercialization, quality control, supplier issues, regulation and inspection. The conference provides a platform for knowledge sharing and networking, with more than 20 luminaries from the pharmaceutical industry in attendance. Infosys is an Associate Sponsor of the conference. Their expert shares his perspective on an integrated PLM solution for the pharmaceutical industry.

Session Details

Title: Towards an Integrated PLM Solution for the Pharmaceutical Industry – A Perspective

Date: March 3, 2010

Time: 09:40 – 10:20 GMT

Speaker: Amit Sharma, Head, PLM Europe, Product Lifecycle Engineering Services, Infosys Technologies.

Session Description

Amit shares his perspective on how Product Lifecycle Management (PLM) should mature in an organization for comprehensive benefits from key PLM initiatives. He will focus on:

The PLM maturity model and challenges in the pharmaceutical industry

Solution ideation, as-is landscape and business goals

Case study and Infosys' credentials

[Learn more](#) about the 4th Annual Pharmaceutical PLM Conference.

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L'éditeur Lascom présent sur la 3ème journée du PLM

29 January 2010

[Lascom](#) participe à la 3ème journée du PLM* à Lyon, le 4 Février 2010, avec une présence sur 3 événements internes à la journée :

- Témoignage d'un cas client Lascom sur les bonnes pratiques pour conduire un projet PLM (atelier 4): M. Jouannet, Responsable du système d'information chez Parkeon
- Remise du Trophée du PLM : Un client PLM de Lascom dans le domaine de l'agroalimentaire s'est porté candidat au concours qui récompensera un projet PLM exemplaire ou innovant mené par une des 7 PME candidates.
- Un pôle d'exposition au sein de la journée : des solutions PLM Lascom dédiées métier : Lascom ICS, Lascom CPG, Lascom AEC.

Lascom se distingue des autres solutions du marché de par sa haute expertise métier sur chacun des secteurs qu'elle adresse. Côté produit, la technologie double coeur de Lascom PLM, données /processus, lui permet de donner une vision dynamique du référentiel des produits.

Innovantes et pragmatiques, les applications Lascom PLM sont réputées pour la rapidité de leur mise en place, et leur ROI qui se démontre dès la première année. La technologie double coeur de Lascom PLM, données /processus, lui permet de donner une vision dynamique du référentiel des produits.

Le pragmatisme de Lascom : une offre offre PLM évolutive Les solutions PLM évolutives de Lascom ont été développées pour répondre à la fois aux problématiques « standard » des PME avec des versions « prêtes à l'emploi », tout autant qu'aux besoins d'applications plus complexes pour grands groupes avec des versions « personnalisées ».

***A propos de la journée du PLM :**

La Journée du PLM est un événement unique en France. Destinée aux dirigeants d'entreprises, chefs de projets PLM, DSI, responsables R&D, achats, qualité ou production, ingénieurs d'étude elle apporte un regard neutre sur les bonnes pratiques, les dernières avancées technologiques et les offres du marché. Pour en savoir plus : www.journeeduplm.fr

A propos de Lascom

Fondé en 1988, Lascom édite des solutions PLM et de processus. Aujourd'hui verticalisées pour les secteurs AEC, CPG et ICS (Industry & Complex Systems), ces applications web permettent de gérer et d'assurer l'échange et le suivi de toutes les données critiques d'un client pour lui apporter une visibilité dynamique et un véritable tableau de bord de l'ensemble de son information technique. Implantée également aux USA, LASCOM a lancé la commercialisation en mode indirect de son offre Lascom PLM dédiée à l'agroalimentaire : Lascom CPG. L'entreprise y a également des clients dans le domaine de l'énergie, chez qui elle gère le cycle de vie des installations ainsi que l'échange des données de maintenance ou de mise à jour avec les équipementiers du secteur.

A ce jour, les solutions de Lascom sont implémentées au sein de grands groupes, de PME et de collectivités comme : Actaris, Algeco, Alstom, Arianespace, Artenay Sevenday, British Telecom, CG31, Ciment Lafarge, Communauté Urbaine de Strasbourg, Mairies de Paris et de Toulouse, LDC, Parkeon, PSA, RATP, Setec, Sogea, Yoplait, entre autres.

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Live Webcast: Mathcad for Mechanical Engineering

February 2010

[One-Hour Live Webcast with Q&A](#)

Mechanical Engineering professionals are using Mathcad to standardize their engineering calculations. Mathcad's "whiteboard" interface, with natural math notation and unit support, enables engineers to perform, document & share calculations with ease.

[Join PTC Wednesday, February 17, 2010, 1:00 PM - 2:00 PM EST \(-0400 GMT\)](#)

This presentation will focus on how Mathcad can assist professionals within the various applications of Mechanical Engineering such as:

- Tolerance Analysis
- Predictive Engineering
- Working within Pro/ENGINEER
- Managing worksheets across the company

Also, learn why Mathcad now features Knovel Math content, which provides a variety of time-saving, fully-documented and validated Mathcad worksheets specific to mechanical engineering applications. Plus, with Knovel Math, you get access to trusted Roark's and Hicks' reference material.

Mark Your Calendar

February 17, 2010, 1:00 - 2:00 PM EST

[Register Now!](#)



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Mastercam Demonstrates How to Save Time, Money, and Tooling with Dynamic Machining at WESTEC 2010

February 2010

CNC Software, Inc., will spotlight the latest in their line of Mastercam machining software, with the most notable being Dynamic Machining. All products will be showcased in booth # 2145 at the Los Angeles Convention Center in Los Angeles, CA, March 23-25.

Dynamic Machining creates a constantly adapting toolpath that delivers more consistent cutting conditions, allows use of the entire tool flute length, often eliminating the need for multiple depth cuts. This allows dramatic savings, with some Mastercam users reporting more than 50% reduction in cutting time, and longer tool life.

Dynamic Machining also offers flexible retract options to keep the tool down on smaller parts, as well as rapid retract on larger parts. In addition, the special "micro lift" option will retract the tool slightly off the bottom when moving to the next cut. This decreases the amount of heat generated in the part and also helps with chip evacuation.

Highly efficient entry methods along with customizable entry speeds and feeds, give the user flexibility regardless of the material or cutter style being used. Dynamic Machining's specialized motion works equally well with both "closed" and "open" parts.

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Other features of Mastercam X4 include:

- Toolpath Refinement
- Mastercam® for SolidWorks®
- Multithreading
- And much more.

For more information about Mastercam X4, please visit <http://www.mastercam.com>.

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National Instruments and Tektronix Announce Embedded Design Seminar

2 February 2010

National Instruments and Tektronix Inc. announced open registration for the Measurement and Analysis Techniques for Embedded System Design Engineers Seminar, a free half-day technical event that helps engineers increase efficiency in their embedded system design processes. Held from March 2 through May 18 in 11 cities, the seminar focuses on time-saving techniques for measurement and analysis and illustrates how integrating tools such as [Tektronix oscilloscopes](#) with NI [LabVIEW](#) graphical system design software can significantly enhance design efficiency and accuracy.

"Tektronix and National Instruments have collaborated for many years to make design engineers' jobs easier," said Martyn Etherington, vice president of worldwide marketing at Tektronix. "We have worked hard to give engineers seamless integration between Tektronix oscilloscopes and LabVIEW to meet the advanced measurement and analysis requirements of embedded system designers. Now we're coming together once again to show engineers just how effective our products are at dramatically increasing efficiency in the design lab."

The event features sessions from Tektronix and National Instruments that equip attendees with the knowledge and tools to speed their product design life cycles through effective debugging and verification. Attendees can gain insight from experts from both companies on how to efficiently test and verify their designs through precise [serial bus decode measurements](#), instrument control, timing and [power analysis](#) and report generation. Additionally, engineers can learn best practices for scaling development efforts from design to test with hybrid test systems.

"This seminar will show engineers how they can simplify their work and significantly reduce product development cycles," said John Pasquarette, vice president of product marketing for software at National Instruments. "By integrating Tektronix instrumentation with LabVIEW and [PXI](#) for instrument control and test automation, design engineers can more quickly and easily analyze and visualize their data."

The seminar includes three sessions in which measurement experts from Tektronix and National Instruments explore in detail techniques for achieving efficiency gains. The presenters discuss the following concepts:

- Streamlined methods for acquiring measurements in USB, SPI and I²C protocols
- Running power efficiency and other custom analyses to convert data into useful information
- Visualization of data and generating consistent reports
- Connecting multiple instruments on the design bench to a host computer or laptop over [GPIB](#), USB, PXI and Ethernet/LXI for optimized instrument control

CIMdata PLM Industry Summary

In addition, representatives from Tektronix and NI will be on hand to answer specific questions.

The seminar will take place in the following cities on the corresponding dates:

- Austin, March 2, 2010
- Dallas, March 4, 2010
- San Diego, March 23, 2010
- Santa Clara, March 25, 2010
- Toronto, April 13, 2010
- Washington DC, April 20, 2010
- Newark, April 27, 2010
- Boston, April 29, 2010
- Orlando, May 11, 2010
- Phoenix, May 13, 2010
- Portland, May 18, 2010

Readers can register for this free seminar and review the full agenda by visiting www.nitekseminar.com.

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Sescoi Continues with Popular Series of Indian Productivity Seminars

1 February 2010

Sescoi participated in two die and mold productivity seminars in December, in Mumbai and New Delhi, and will participate in a further two planned by the IMTMA (Indian Machine Tool Manufacturers Association) for February 2010.

Themes at the recent December seminars were ‘Challenges facing the die and mold industry in India and ‘Methodology for cutting lead times in die and mold manufacture’. From SESCOI, senior representatives from leading companies such as ASB International, Anand Mould Steels, Mahindra Navistar Automotives, Bergen Systems, and Maruti Suzuki India, learned how improvements in manufacturing efficiency could be achieved by implementing ERP or job management software, such as SESCOI’s WorkPLAN Enterprise or MyWorkPLAN solutions.

These custom manufacturing solutions are geared towards the needs of tool and die makers, helping them to quote competitively, monitor production performance and costs as they occur, and ensure that delivery and quality targets are met. Accurate monitoring of these key business indicators enables companies to maximize profits while optimizing customer satisfaction. SESCOI’s consultants highlighted the importance of ease of use and simple implementation for the success of these types of systems. Long and complex commissioning and unfriendly user interfaces can make for poor uptake, low utilization and low ROI. Both WorkPLAN Enterprise and MyWorkPLAN have been designed for simple and rapid installation, making use of existing systems and methods to share data, and hence minimizing the transition and learning curve for the new software.

The next IMTMA seminars, scheduled for February, are to be held in Pune and Ahmadabad. The latter is the largest city in Gujarat with a population of 5.2 million and home to a large number of tool and die manufacturers. Manager and engineers from these companies can learn how to achieve higher productivity through more efficient use of resources and how to raise their skill levels by using expert software. Contact SESCOI India for further information – india@sescoi.com

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3Dconnexion Announces the Next Step in Intelligent 3D Navigation for SolidWorks Users

1 February 2010

3Dconnexion announced new 3D mouse capabilities for SolidWorks, bringing increased navigation intelligence to the design process. With this new feature, 3Dconnexion 3D mice can now automatically follow a designer's point of interest and continuously determine the optimal center of rotation, enabling an easier and more intuitive exploration of the largest models and the smallest details. In addition, the center of rotation can now be seen at all times via an icon, further enhancing the navigation experience.

3Dconnexion will be demonstrating the new intelligent navigation feature in Booth 201 at SolidWorks World in Anaheim, Calif., Jan. 31 – Feb. 3, 2010.

“Previously, SolidWorks users had to zoom in fairly close and manually select a new center of rotation. We have listened to the feedback of our customers to provide designers with total control over the point of interest,” said Dieter Neujahr, president of 3Dconnexion. “By automatically establishing and displaying the optimal center of rotation, designers are now free to focus on design creativity and flexibility when using 3D mice in SolidWorks.”

When using the new update, two modes of setting the center of rotation are available. The new Auto Rotation Center sets the center of rotation to a point on the model that is nearest to the display screen center, particularly useful for use at higher zoom levels. For additional control, users can easily pick a new center of rotation point on the 3D model to suit the design task.

Availability

The new feature will be available in late February via a free 3DxWare software update, and will support SolidWorks 2005 – 2010 on Windows® XP, Windows Vista®, and Windows 7 across the entire product line. The 3Dconnexion product line includes the Professional Series with the new SpacePilot PRO (MSRP \$399), SpacePilot™ (MSRP \$299 with promotion) and SpaceExplorer™ (MSRP \$299), and the Standard Series with the SpaceNavigator (MSRP \$99) and SpaceNavigator for Notebooks (MSRP \$129). For additional information, visit www.3Dconnexion.com

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Zuken Returns to SolidWorks World 2010 with E³.WireWorks

1 February 2010

Zuken is exhibiting and presenting at SolidWorks' International User Conference and Exhibition, [SolidWorks World 2010](#). For attendees seeking to understand how they can enhance their electrical and mechanical workflow, the presentation from Zuken on February 3rd is an ideal opportunity. During the show Zuken will provide opportunities to get hands-on with [E³.WireWorks](#), the integrated electrical design solution specifically for SolidWorks Premium Routing and Enterprise PDM users.

Zuken's E³.WireWorks electrotechnical software suite closely integrates with SolidWorks Premium Routing and PDM Enterprise solutions, providing a complete design solution from design concept through physical realization and manufacturing output. E³.WireWorks allows electrical and mechanical engineers to access the Zuken solution through their growing network of SolidWorks resellers.

The conference starts January 31st and runs through to February 4th. During this conference, Zuken will present the E³.WireWorks solution both at their booth and during dedicated partner conference sessions;

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- **Title:** Electrical Mechanical workflow with SolidWorks and E3.WireWorks
- **Presenter:** Patrick Hackney, E3.WireWorks Application Specialist
- **Date:** Wednesday, February 3
- **Time:** 1:30-2:30pm
- **Location:** Room 204-A

This session includes a presentation on the integration between SolidWorks and E3.WireWorks. Illustrating the complete workflow, with optimization tools available in E3.WireWorks and new features in SolidWorks routing, including cross-highlighting between both products, all encompassed in SolidWorks PDM Enterprise.

E3.WireWorks is available through selected licensed SolidWorks resellers, including CADD Edge Inc., Javelin Technologies Inc. and 3D Vision Technologies Corp. in the U.S; and NT CADCAM Ltd in the UK.

Visit Zuken at Booth #101 SolidWorks World 2010, January 31 through February 4, 2010, Anaheim, CA.

For more information on E3.WireWorks please visit www.zuken.com/e3wireworks. For more information on Zuken's attendance at SolidWorks World 2010 show, please visit our [event page](#).

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Financial News

Arena Wraps Up 2009 with Strong Growth in Annuity Bookings despite Deep Global Recession

2 February 2010

[Arena Solutions](#) announced that the company saw strong growth in annuity bookings for the fourth quarter ending December 31, 2009, despite the ongoing global recession, with an increase of 9% over the same period one year earlier. Annuity bookings for the year were up 5% over the year prior. As in previous quarters, the company continued to see strong demand from new customers buying [Arena collaborative bill of materials \(BOM\) and change management software](#) for the first time as well as existing customers renewing and significantly expanding their subscriptions.

The new customers in Q4 2009 came from a variety of industries, including high-tech electronics, medical device and consumer products. They also span a range of growth stages, from young companies embarking on the [new product introduction \(NPI\)](#) process for the first time to more mature businesses that value Arena for helping them simultaneously manage existing product lines and new product development (NPD) efforts. Among these new customers were a number of referrals. In the fourth quarter more than 30% of new customers had either received a recommendation for Arena from another satisfied customer or experienced the benefits of Arena themselves at another company.

Among existing customers, those who renewed their Arena subscriptions for the first time in Q4 2009 expanded their usage by nearly 70%. With the ability to start managing BOMs and engineering change

CIMdata PLM Industry Summary

orders (ECOs) in Arena [in less than five days](#) and share accurate, up-to-date product information with their suppliers right away, these customers began deriving value from Arena as soon as they started using it and quickly positioned themselves to get even more out of the system. Among larger Arena customers, companies like Tesla Motors and Char-Broil renewed their commitment to Arena in Q4 2009. Arena saw more than 100% increase in subscription growth over Q3 2009 for this segment.

"We saw a lot to be happy about in the fourth quarter -- and the recession notwithstanding, in all of 2009," said Craig Livingston, chief executive officer of Arena Solutions. "We added more new customers last year than in either of the two years prior. We saw evidence of our customers' businesses beginning to rebound, as they expanded their use of Arena to help drive future growth. And we watched a lot of former Arena users land on their feet in new positions and bring Arena in to help their companies quickly get their product data and [engineering change processes](#) under control. I'm thrilled -- and all signs point to an even better year in 2010."

Among the customers who selected Arena in Q4 2009 are:

- Camelbak, founded in 1989 and the global leader in personal hydration gear. With a mission to continually reinvent and forever change the way people hydrate and perform, CamelBak offers a complete line of technical hydration packs, reusable BPA-free water bottles and performance hydration accessories for outdoor sports, military, travel and a healthy lifestyle.
- Sensit Technologies, whose rapid gas leak detection and gas line monitoring products are used by emergency response personnel as well as telecom, industrial and HVAC service professionals around the world.
- Public Wireless, which provides turnkey alternative wireless siting solutions in locations where traditional development costs and/or zoning and permitting processes have made deployment prohibitive.
- Pano Logic, which offers an all-in-one hardware and software solution that deploys in under an hour and dramatically simplifies the complexity and management of virtual desktops.
- Pliant Technology, which designs and develops Enterprise Flash Drives (EFDs), a new class of solid state storage devices that integrate seamlessly into enterprise information systems and meet the demanding performance and reliability needs of data centers and other high performance computing environments.
- PeopleNet, a mobile communications and onboard computing provider meeting the unique and specific needs of fleets throughout the U.S.

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and Canada with leading-edge technology and unparalleled flexibility.

Also in Q4 2009:

-- The company went live with the [Fall 09 release of Arena](#), which added more than 50 new enhancements and enabled manufacturers to start capturing, controlling and sharing product information in less than five days. The release introduced the Arena Secure Drop Box, along with rapid data loading, validation and integrity-checking tools that allow Arena to be deployed faster than any comparable solution for even the most complex small and mid-size manufacturers.

-- Arena surpassed its 99.5 percent service level agreement for the 15th consecutive quarter, with 100 percent uptime in Q4 2009 and a continued focus on delivering the most secure and reliable collaborative BOM and change management solution available. Uptime for the year 2009 was 99.99%.

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Aspen Technology Announces Date of Second-Quarter Fiscal 2010 Financial Results Release, Conference Call and Webcast

1 February 2010

Aspen Technology, Inc. announced that it will release financial results for its second-quarter fiscal 2010, ended December 31, 2009, on Tuesday, February 9, 2010.

In conjunction with this announcement, AspenTech will host a conference call and webcast on February 9, 2010, at 5:00 p.m. (Eastern Time) to discuss the company's financial results, business outlook, and related corporate and financial matters.

The live dial-in number is (877) 245-0126, conference ID code 53424224. Interested parties may also listen to a live webcast of the call by logging on to the Investor Relations section of AspenTech's website, <http://www.aspentech.com/corporate/investor.cfm>, and clicking on the "webcast" link. A replay of the call will be archived on AspenTech's website and will also be available via telephone at (800) 642-1687 or (706) 645-9291, conference ID code 53424224 through February 16, 2010.

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Autodesk Extends Invitation to Join its Fourth Quarter Fiscal 2010 Financial Results Conference Call Tuesday, February 23, 2:00 p.m. Pacific Time

1 February 2010

What: Autodesk, Inc. announced that it will broadcast its fourth quarter fiscal 2010 financial results conference call live via its website Tuesday, February 23, 2010, at 2:00 p.m. Pacific Time.

How: Autodesk will host a live webcast call at www.autodesk.com/investors. An audio replay webcast and podcast will also be available after 4:00 p.m. Pacific Time on their website at www.autodesk.com/investors.

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Avatech Solutions to Report Fiscal 2010 Second Quarter Results on Tuesday, February 16, 2010

2 February 2010

CIMdata PLM Industry Summary

Avatech Solutions, Inc. announced it will release its financial results for the three and six month periods ended December 31, 2009, before the market opens on Tuesday, February 16, 2010. The Company has scheduled a conference call for 11:00 a.m. Eastern Time on the same day.

The dial-in numbers for the conference call are (866) 356-4279 (domestic) or (617) 597-5394 (international), and enter the passcode (15575988). A replay of the call will also be available through February 23, 2010, and can be accessed by dialing (888) 286-8010 (domestic) or (617) 801-6888 (international), and dialing the passcode (70993622).

A live webcast of the conference call will be available to all investors in the Investor Relations section of the Company's website, www.avatech.com. For those who cannot listen to the live broadcast, an audio replay of the call will also be available on the Company's site for a limited time.

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Cadence Reports Q4 and Fiscal Year 2009 Financial Results

3 February 2010

Click here for the [Q4 2009 Financial Schedules](#).

Cadence Design Systems, Inc. announced results for the fourth quarter and fiscal year 2009.

Cadence reported fourth quarter 2009 revenue of \$220 million, compared to revenue of \$227 million reported for the same period in 2008. On a GAAP basis, Cadence recognized net income of \$2 million, or \$0.01 per share on a diluted basis, in the fourth quarter of 2009, compared to a net loss of \$1.63 billion, or \$(6.55) per share on a diluted basis in the same period in 2008. Revenue for fiscal year 2009 totaled \$853 million, compared to revenue of \$1.04 billion in fiscal year 2008. The net loss for fiscal year 2009 was \$150 million, or \$(0.58) per share on a diluted basis, compared to a net loss of \$1.86 billion, or \$(7.30) per share on a diluted basis for fiscal year 2008. The GAAP net loss for the fourth quarter and fiscal year 2008 included a non-cash impairment charge of \$1.36 billion, related to Cadence's goodwill, intangible assets, and fixed assets. The impairment charge, which was driven by adverse economic conditions and a decline in Cadence's market capitalization, had no effect on Cadence's cash flows.

In addition to using GAAP results to evaluate Cadence's business, management believes it is useful to measure results using a non-GAAP measure of net income or net loss, which excludes, as applicable, amortization of intangible assets, stock-based compensation expense, in-process research and development charges, costs related to a withdrawn acquisition proposal and losses on the sale of shares of the target company stock, integration and acquisition-related costs, gains or losses and expenses or credits related to non-qualified deferred compensation plan assets, executive severance costs, restructuring charges and credits, amortization of discount on convertible notes, equity in losses (income) from investments, write-down of investments, impairment charges related to goodwill, intangible assets and fixed assets, and losses related to the liquidation of a subsidiary. Non-GAAP net income or net loss is adjusted by the amount of additional taxes or tax benefit that the company would accrue if it used non-GAAP results instead of GAAP results to calculate the company's tax liability. See "GAAP to non-GAAP Reconciliation" for further information on the non-GAAP measure.

Using this non-GAAP measure, net income in the fourth quarter of 2009 was \$15 million, or \$0.06 per share on a diluted basis, as compared to a net loss of \$11 million, or \$(0.04) per share on a diluted basis, in the same period in 2008. For fiscal year 2009, non-GAAP net loss was \$16 million, or \$(0.06) per

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share on a diluted basis, compared to a net loss of \$10 million and \$(0.04) per share on a diluted basis in fiscal year 2008.

“In 2009, we positioned Cadence for future growth. We improved our customer engagement, strengthened our foundation technology, and reduced our cost structure. We’ve identified new opportunities for growth, and renewed Cadence’s culture of innovation and accountability,” said Lip-Bu Tan, president and chief executive officer. “Our primary operational focus in the year was to enhance the level of research and development engagement at key accounts and open new business opportunities for the company.”

“In 2009, we significantly improved operating efficiency while strategically redeploying resources,” said Kevin S. Palatnik, senior vice president and chief financial officer, adding, “I believe that with continued strong focus on execution, we will expand our position with customers, grow the top line and improve profitability over time.”

The following statements are based on current expectations. These statements are forward-looking, and actual results may differ materially.

Business Outlook

For the first quarter of 2010, the company expects total revenue in the range of \$210 million to \$220 million. First quarter GAAP net loss per diluted share is expected to be in the range of \$(0.10) to \$(0.08). Net income per diluted share using the non-GAAP measure defined below is expected to be in the range of \$0.00 to \$0.02.

For the full year 2010, the company expects total revenue in the range of \$865 million to \$900 million. On a GAAP basis, net loss per diluted share for fiscal 2010 is expected to be in the range of \$(0.29) to \$(0.19). Using the non-GAAP measure defined below, net income per diluted share for fiscal 2010 is expected to be in the range of \$0.05 to \$0.15.

A schedule showing a reconciliation of the business outlook from GAAP net loss and diluted net loss per share to non-GAAP net income and diluted net income per share is included with this release.

Audio Webcast Scheduled

Lip-Bu Tan, Cadence’s President and Chief Executive Officer, and Kevin S. Palatnik, Cadence’s Senior Vice President and Chief Financial Officer, will host a fourth quarter and fiscal year 2009 financial results audio webcast today, February 3, 2010, at 2 p.m. (Pacific) / 5 p.m. (Eastern). An archive of the webcast will be available starting February 3, 2010 at 5 p.m. (Pacific) and ending February 17, 2010 at 5 p.m. (Pacific). Webcast access is available at www.cadence.com/cadence/investor_relations.

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Magma Schedules Third Quarter Earnings Call and Webcast for Feb. 25, 2010

4 February 2010

What: Magma® Design Automation Inc. will conduct a live webcast and conference call to review financial results for its third quarter ended Jan. 31, 2010.

When: The webcast and conference call will be Thursday, Feb. 25, 2010, at 2 p.m. PST. Magma will release third- quarter financial results after Nasdaq trading closes on Feb. 25, 2010.

Who: Rajeev Madhavan, chief executive officer; Roy E. Jewell, president and chief operating officer;

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and Peter S. Teshima, chief financial officer, will host the call.

Webcast: The live webcast will be available online at <http://investor.magma-da.com/events.cfm>. A replay of the webcast will be available on Magma's website through March 4, 2010.

Phone: Listen to the live call by telephone at the numbers below:

U.S. & Canada: (888) 710-4002

Elsewhere: (913) 312-0938

A telephone replay will be available beginning at 5 p.m. PST on Feb. 25, 2010 until 11:59 p.m. PST on March 4, 2010 at the numbers below:

U.S. & Canada: (888) 203-1112, code #7476916

Elsewhere: (719) 457-0820, code #7476916

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Open Text Reports Second Quarter Fiscal 2010 Financial Results

3 February 2010

Open Text™ Corporation announced unaudited financial results for its second quarter ended December 31, 2009.(1)

Total revenue for the second quarter of fiscal 2010 was \$247.8 million, up 19% compared to \$207.7 million for the same period in the prior fiscal year. License revenue in the second quarter was \$72.7 million, up 12% compared to \$64.9 million in the second quarter of the prior fiscal year.

Adjusted net income in the quarter was \$50.1 million or \$0.87 per share on a diluted basis, up 47% compared to \$34.0 million or \$0.64 per share on a diluted basis for the same period in the prior fiscal year. Net income in accordance with U.S. generally accepted accounting principles ("US GAAP") was \$21.2 million or \$0.37 per share on a diluted basis, compared to \$0.8 million or \$0.01 per share on a diluted basis for the same period in the prior fiscal year.(2)

The cash and cash equivalents balance as of December 31, 2009 was \$247.6 million, compared to \$275.8 million as of June 30, 2009. During the six months that ended December 31, 2009, the net cash paid for the Vignette acquisition was \$90.6 million. Accounts receivable as of December 31, 2009, totaled \$143.4 million, compared to \$115.8 million as of June 30, 2009, and Days Sales Outstanding (DSO) was 52 days in the second quarter of fiscal 2010, compared to 53 days in the second quarter of fiscal 2009.

"We had a very good quarter across the board - in all geographies and verticals," said John Shackleton, President and Chief Executive Officer of Open Text. "Our strong license revenue growth has brought us to where we expected to be on a year to date basis."

"We are also pleased with our profitability this quarter, generating a pre-tax adjusted operating margin of 28.8%," said Shackleton. "The integration of Vignette is progressing well and we are very encouraged by the synergies we see from the combined businesses."(4)

Please see note (2) below for a reconciliation of non-US GAAP based financial measures used in this

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press release, to US GAAP based financial measures.

Teleconference Call

Open Text will host a conference call on February 3, 2010 at 5:00 p.m. ET to discuss the financial results of its second quarter.

A replay of the call will be available beginning February 3, 2010 at 7:00 p.m. ET through 11:59 p.m. on February 17, 2010 and can be accessed by dialing 416-640-1917 and using pass code 4198863 followed by the number sign.

For additional information with respect to risks and other factors which could occur, see the Company's Annual Report on Form 10-K, Quarterly Reports on Form 10-Q and other securities filings with the SEC and other securities regulators. Unless otherwise required by applicable securities laws, the Company disclaims any intention or obligations to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

Notes

(1) Based on comparison of historical revenue figures publicly disseminated by companies in the Enterprise Content Management ("ECM") sector. All dollar amounts in this press release are in US Dollars unless otherwise indicated.

(2) Use of US Non-GAAP financial measures

In addition to reporting financial results in accordance with US GAAP, the Company provides certain non-US GAAP financial measures in this press release that are not in accordance with US GAAP. These non-US GAAP financial measures have certain limitations in that they do not have a standardized meaning and thus the Company's definition may be different from similar non-US GAAP financial measures used by other companies and/or analysts and may differ from period to period. Thus it may be more difficult to compare the Company's financial performance to that of other companies. However, the Company's management compensates for these limitations by providing the relevant disclosure of the items excluded in the calculation of adjusted net income and adjusted EPS both in its reconciliation to the US GAAP financial measures of net income and EPS and its consolidated financial statements, all of which should be considered when evaluating the Company's results. The Company uses the financial measures adjusted EPS and adjusted net income to supplement the information provided in its consolidated financial statements, which are presented in accordance with US GAAP. The presentation of adjusted net income and adjusted EPS is not meant to be a substitute for net income or net income per share presented in accordance with US GAAP, but rather should be evaluated in conjunction with and as a supplement to such US GAAP measures. Open Text strongly encourages investors to review its financial information in its entirety and not to rely on a single financial measure. The Company therefore believes that despite these limitations, it is appropriate to supplement the disclosure of the US GAAP measures with certain non-US GAAP measures for the reasons set forth below. Adjusted net income and adjusted EPS are calculated as net income or net income per share on a diluted basis, excluding, where applicable, the amortization of acquired intangible assets, other income (expense), share-based compensation, and restructuring, all net of tax. The Company's management believes that the presentation of adjusted net income and adjusted EPS provides useful information to investors because it excludes non-operational charges. The use of the term "non-operational charge" is defined by the Company as those that do not impact operating decisions taken by the Company's management and is based upon the way the Company's management evaluates the performance of the Company's business for use in the Company's internal reports. In the course of such evaluation and for the purpose

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of making operating decisions, the Company's management excludes certain items from its analysis, such as amortization of acquired intangible assets, restructuring costs, share-based compensation, other income (expense) and the taxation impact of these items. These items are excluded based upon the manner in which management evaluates the business of the Company and are not excluded in the sense that they may be used under US GAAP. The Company believes the provision of supplemental non-US GAAP measures allows investors to evaluate the operational and financial performance of the Company's core business using the same evaluation measures that management uses, and is therefore a useful indication of Open Text's performance or expected performance of recurring operations and facilitates period-to-period comparison of operating performance. As a result, the Company considers it appropriate and reasonable to provide, in addition to US GAAP measures, supplementary non-US GAAP financial measures that exclude certain items from the presentation of its financial results in this press release.

For full financials please access <http://www.opentext.com/2/global/press-release-details.html?id=2321>

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Presentation of IFS Year-End Report for 2009

2 February 2010

IFS will publish its year-end report for 2009 on February 8, 2010 at 8:00 a.m. CET. Chief executive officer Alastair Sorbie will present the report in English at a conference call and webcast at 9:30 a.m. CET on the same day.

To take part in the conference call, please ring +46 8 535 264 39 or +44 (0)20 7138 0825, confirmation code: 7049848. The presentation material and a link to the webcast can be found at www.IFSWORLD.com/report. It will also be possible to access the presentation material and listen to the presentation after the event and up until the publication of the next quarterly report.

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SpaceClaim Records Significant Sales Growth in 2009

3 February 2010

SpaceClaim announced strong sales growth and a sharp increase in new global customers in 2009. These results demonstrate that SpaceClaim's 3D solutions improve the performance of engineering organizations by enabling concept modeling, optimizing CAE workflows, and achieving the realization of simulation-driven product development.

Compared to 2008, SpaceClaim's sales grew 253%, with new license sales growing more than 188%. New and unique global customers included industry leaders in automotive, aerospace, medical devices, consumer goods, as well as educational engineering institutions. New commercial and educational accounts included Rolls Royce, Cooper Tire, Lockheed Martin, Raytheon, Bosch, Siemens Healthcare Diagnostics, Eaton Corporation, IBM, Herman Miller, 3M, Purdue University, Dresden University, and Saint Petersburg State Polytechnical University.

"This past year was a watershed period for us," said Chris Randles, President and CEO, SpaceClaim. "We've experienced accelerating demand for our products every quarter, and the trend is continuing into 2010. We now have three of the world's largest automobile manufacturers, as well as several of the

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largest components suppliers, using SpaceClaim for concept modeling and model preparation for engineering analysis. These, and other customers, use SpaceClaim to implement superior engineering processes and gain a competitive edge. They have discovered that SpaceClaim ideally addresses the needs of today's engineers: it is easy to learn and use, it works with any geometry, and it pays for itself in a matter of a few short months. Our customers regularly report that they are saving up to 50% in engineering time and are predictably moving products to market faster."

Customers Achieve Results

SpaceClaim's diverse customer base experiences have proven that when they adopt nimble, best-in-class tools, they overcome the inflexibility of traditional, single-vendor CAD deployments:

- "The argument for streamlining by enforcing a single CAD platform is a thing of the past," said Hiroshi Mizuide, Branch Manager, Hioki E.E. Corporation. "The goal is to streamline the workflow while introducing the best tools for every job. Although a mix of tools comes at higher support costs, reducing wasted time in engineering and getting products to market faster is what gives us our competitive edge. We have achieved this goal by empowering our engineers with SpaceClaim."
- "Before we used SpaceClaim, we had to go to the CAD team every time we needed a change," said Sue Stroope, NVH and CAE manager, BorgWarner, TorqTransfer Systems Business Unit. "Now with SpaceClaim, the process is speeded up significantly because we're able to make and test the changes ourselves."
- "We chose SpaceClaim's solution because other tools were just too complex and the learning curve was very daunting," said Angela Delbridge, Senior Engineer and Lead Project Manager, K2 Medical Systems. "We can create and modify 3D models in SpaceClaim with a speed not achievable in other software tools evaluated."
- "Often I had models for analysis we couldn't get to at all because it took forever," said Mads Jakob Jensen, Development Engineer, Widex. "Now, I am saving at least 10 man hours per model analyzed and I am able to get results more quickly than I had anticipated."

A Commitment to Product Innovation

SpaceClaim's continuous development process resulted in two major releases and three service pack releases in 2009, all of which delivered new capabilities to customers and partners. New products and capabilities included:

- SpaceClaim 2009, the fourth release of the Company's products,

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SpaceClaim Engineer and SpaceClaim Style;

- Service packs that delivered customer-requested enhancements in model repair, preparation for simulation, and surfacing;
- Strengthened enhancements for model preparation and product design and editing, and an enhanced, seamless bidirectional integration with ANSYS 11, 12.0 and 12.1;
- SpaceClaim 2009+, the fifth release of [SpaceClaim](#) Engineer and SpaceClaim Style, featuring major enhancements for direct modeling, model preparation for simulation, direct beam and shell modeling, and support for multi-touch user interaction.

SpaceClaim also announced a licensing and distribution agreement with ANSYS, Inc. and an OEM contract with Flow International Corporation, a world leader in ultrahigh-pressure waterjet technology.

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Synopsys Announces Earnings Release Date and Conference Call for the First Quarter Fiscal Year 2010

3 February 2010

Synopsys, Inc. announced it will report results for the first quarter fiscal year 2010 on Wednesday, February 17, 2010, after the market close.

A conference call to review the results will begin at 2 p.m. PT (5 p.m. ET) and will be hosted by Aart de Geus, chairman and chief executive officer, and Brian Beattie, chief financial officer.

Financial and other statistical information to be discussed on this conference call will be available on the corporate website at <http://www.synopsys.com> immediately before the call. A live webcast will also be available on this site. Participants should access the live webcast at least 10 minutes prior to the start of the call. A webcast replay can be accessed on the corporate website beginning Wednesday, February 17, 2010, at approximately 5:30 p.m. PT. The replay will remain available until Synopsys announces its second quarter fiscal year 2010 results in May 2010. In addition, a dial-up replay of the conference call will be available beginning February 17, 2010 at 4:00 p.m. PT, ending on March 3, 2010 at midnight. The replay telephone number is USA (800) 475-6701, and International (320) 365-3844, Access Code: 145658.

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UK Small and Medium Businesses Overcome Economic Challenges with PTC® Windchill®

4 February 2010

PTC® reported significant growth in the UK SMB sector despite the global economic downturn. PTC recorded total revenue of \$258 million for its first fiscal quarter ended December 31, 2009, up 8% year on year for total revenue, with license revenue up 48%. In the UK region specifically, sales from PTC's reseller channel grew 18% for total revenue year on year, with a notable 52% increase year on year with

Windchill® products.

Windchill, PTC's PLM software, continues to gain momentum as a PLM solution for small and medium-size businesses. Because of their size, SMB customers experience some unique challenges, including resource and infrastructure constraints that can hinder the success of their product development initiatives. Windchill provides an optimal solution for overcoming these obstacles with an enterprise class tool that offers capabilities for content management and collaboration with the scalability needed to support a company's ongoing requirements.

In the UK, PTC's growth in the SMB sector is strongly supported through its reseller channel. "We are seeing a significant increase in the sales of the Windchill solution," said Roger French, Managing Director, Root Solutions. "Most recently, Park Air Electronics replaced their incumbent data management system with Windchill to provide better integration within the company's infrastructure and accelerate product development."

Another good sign of recovery for the UK economy has been the increased sales of PTC's 3D software, Pro/ENGINEER – a core product design solution for the SMB space. "We have seen a steady increase in Pro/ENGINEER sales during the last three months," continued French. "Customers such as Allan Gearing Solutions and Ultima Displays have implemented Pro/ENGINEER as their product development platform."

Richard Allan, NER & South Africa Channel Director, PTC comments: "The SMB sector is a very important part of PTC's business, particularly in the UK and Irish markets, which have a high concentration of small to medium-size businesses. Throughout the economic downturn, we have seen accelerated investment in IT. Companies today understand that investing in the best 3D and PLM technology now will allow them to outpace competition and overcome the economic challenges."

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Implementation Investments

Aeroflex Realizes 60x Performance Improvement Using Synopsys CustomSim Solution

1 February 2010

[Synopsys, Inc.](#) announced that Aeroflex Colorado Springs, Inc., a global provider of high-technology solutions to the aerospace, defense and broadband communications markets, has successfully deployed Synopsys' CustomSim™ unified circuit simulation solution for the development and verification of its high-reliability integrated circuits (ICs). The CustomSim solution delivers performance improvements of up to 60x over SPICE, increasing designer productivity and confidence by enabling more corners to be run for transistor-level verification of large blocks. In addition, taking advantage of the Discovery™ Verification Platform by using the CustomSim solution with Synopsys' VCS® functional verification solution enables full-chip, mixed-signal simulations that were not possible with previous-generation simulators, allowing Aeroflex to reduce design cycle times.

"Our customers require high-reliability products and solutions that need to operate for many years in harsh and often remote environments. Verifying that our designs will meet specifications over a broad range of conditions and remain within budgeted power is essential for mission-critical products," said John Pfeil, senior mixed-signal design engineer for the Aeroflex Standard Products Group. "CustomSim is the only solution we've found that delivers the capability and performance to enable us to run

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hundreds of corners on large blocks before tapeout, and reduce product development cycle times by running mixed-signal simulations at the full-chip level."

Synopsys offers a comprehensive suite of circuit simulation solutions. The HSPICE® simulator provides accurate circuit simulation and offers foundry-certified MOS device models with state-of-the-art simulation and analysis algorithms. The CustomSim solution unifies the simulation technologies of NanoSim®, HSPICE® and XA with added multi-threading capabilities for high-capacity, high-performance circuit simulation. For full-chip mixed-signal verification, the CustomSim solution is tightly coupled to VCS through a Direct Kernel Integration and is integrated into a unified analog/mixed-signal (AMS) verification environment, which simplifies usability through a common set of inputs, outputs and device models.

"Using CustomSim to verify its high-reliability ICs is testimony to the confidence Aeroflex has in Synopsys' circuit simulation solution," said Farhad Hayat, senior director of product marketing, Analog/Mixed-Signal Group at Synopsys. "CustomSim delivers high-performance circuit simulation technologies that enable companies like Aeroflex to ensure that their products meet the most stringent design requirements."

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ASIA Company Reduces Wire Harness Design Cycle Time Using Mentor Graphics CHS Tools

4 February 2010

[Mentor Graphics Corporation](#) announced that ASIA Company, a Korea-based wire harness supplier, has made dramatic gains by deploying the CHS™ software. The CHS tool has enabled ASIA to add significant automation and cut their wire harness design cycle time by up to 75 percent.

ASIA supplies GM-Daewoo, which in turn uses standardized General Motors design tools and methodology. ASIA's challenge was to automate the previously manual transcription of Daewoo design data into ASIA's internal systems. This design data is originated in multiple tools, including Siemens-PLM's NX 3D MCAD application, and is further complicated by a high rate of change and the presence of optional content. ASIA has now deployed Capital® HarnessXC, one of the core CHS tools, to intelligently merge the data streams and perform automated engineering tasks such as checking, component selection and drawing creation. This in turn led to the large design cycle time savings reported.

Namgyung Y-Chief of ASIA's R&D Center said, "CHS fully automates data transcription and harness engineering. Not only can we read in Daewoo's design information, we can also drive the resultant engineering data onwards to our production systems, creating further efficiencies."

ASIA's success further consolidates Mentor's position in the region; several other Korea-based wire harness suppliers also use CHS to implement efficient, correct-by-construction design processes.

Nick Smith, business development director of Mentor's Integrated Electrical Systems Division, said, "The challenge ASIA faced is exactly what Capital HarnessXC was created for. The tool itself is very flexible. It can receive data from a wide variety of electrical, mechanical and other CAD tools, and also supports emerging standards such as KBL. ASIA's implementation is a perfect example of the benefits that can be derived from a seamless digital data flow coupled with engineering automation."

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austriamicrosystems Expands Reliance on Cadence Technology to Achieve Seamless Mixed-Signal SoC Designs

1 February 2010

Cadence Design Systems Inc. announced that austriamicrosystems, a leading global designer and manufacturer of high-performance analog ICs for communications, industrial, medical and automotive applications and foundry services, has broadened its deployment of Cadence® technology. Over the last two decades, austriamicrosystems has relied on the Cadence Virtuoso® custom IC design platform for its analog and mixed-signal designs and process design kits (PDKs). By choosing Cadence® Encounter® Digital Implementation System for the digital part of its designs, the company can now ensure a tight integration between its design flows.

“austriamicrosystems has used Cadence technology for the development and manufacturing of our analog ICs since 1992. To handle the digital parts of our mixed-signal system-on-chip designs, it was crucial for us to collaborate with one of the most experienced EDA suppliers in this space,” said Thomas Riener, Vice President and General Manager BU Full Service Foundry, at austriamicrosystems. “With Cadence Encounter Digital Implementation System, we are now enabled to tightly integrate our design flows, which will enable us further in ensuring our customers’ success.”

Encounter Digital Implementation System is a full-featured digital implementation solution that offers tight interoperability between analog and digital design environments for mixed-signal implementation and analysis. It also delivers the ability to perform top-level static timing analysis for mixed-signal designs, including digital components within the analog hierarchy.

Cadence design-for-manufacturing (DFM) technologies are an integral part of the EDI System, enabling early identification, analysis and repair of yield-limiting design elements present at advanced nodes.

“A solution that shares a unified database between custom and digital implementation offers a vast advantage for our customers,” said Limin He, vice president Research & Development of IC digital products at Cadence. “austriamicrosystems benefits from the enhanced interoperability, which enables better communication between the design teams. That enables austriamicrosystems to deploy a more efficient design flow and to save precious design time.”

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BBA Selects Intergraph® SmartPlant® 3D for Metals and Mining Projects

2 February 2010

BBA, an independent Canadian consulting engineering firm active in the international energy and mining and metals sectors, has completed the design of its first project for Consolidated Thompson, the Bloom Lake project in Northern Quebec, with Intergraph®’s SmartPlant® 3D design solution.

BBA was selected to design the iron ore mine at Bloom Lake in 2006, and selected Intergraph SmartPlant 3D to execute the project. Since the successful completion of Bloom Lake with SmartPlant 3D, BBA has begun modeling on its next project, a gold mine for Osisko Mining, called Canadian Malartic, also using SmartPlant 3D.

BBA chose SmartPlant 3D because it is well-suited for the specific challenges related to metals and mining projects – large and complex equipment and very mining-oriented specifications for components. The software’s rule-based design and specification-driven capabilities provide true

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discipline integration into a single 3D modeling environment, minimizing rework for changes and ensuring consistency across designs.

"We are pleased with the results that we have achieved so far with SmartPlant 3D, and are excited about moving forward with it on future projects," said Steeve Fiset, president and CEO of BBA. "By adapting SmartPlant 3D to the mining industry, we add to our high value engineering a very efficient design capacity and provide our customers with a timely and cost-effective project execution with an extremely low re-work level at site."

Gerhard Sallinger, [Intergraph](#) Process, Power and Marine president, said, "BBA demonstrates how SmartPlant 3D can benefit companies of all sizes and in all industries to be more competitive using this next-generation technology. And as SmartPlant 3D becomes the industry-standard for large EPC and owner operators, it gives smaller and midsize companies the opportunity to be on the same footing with their larger competitors."

SmartPlant 3D is the multi-purpose design solution within Intergraph's SmartPlant Enterprise solutions suite. SmartPlant Enterprise provides full design, construction, materials and engineering data management capabilities needed for the creation, safe operation and maintenance, and capital Project Life Cycle Management (cPLM) of large-scale process, power, marine and offshore projects. The software's life cycle data management also enables a smoother handover for EPCs to owner operators and for owner operators to more easily maintain, refurbish or modify their plants.

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Delcam's PartMaker CAM Helps Orthopaedics Firm in the Philippines

4 February 2010

Delcam's PartMaker CAM software is helping Orthopaedic International Inc., a medical manufacturer in the Philippines, to achieve its ambition of becoming a leading orthopaedic manufacturer in the Asia-Pacific region. The software, which is Delcam's dedicated system for turn-mill machines and Swiss-type lathes, is both boosting the productivity and maximising the part quality from the company's Mazak Integrex machine.

Orthopaedic International was founded by orthopaedic surgeon Ramon B. Gustilo, MD, after he had made numerous trips to South-East Asia to lecture and perform surgery. He found that the level of orthopaedic supplies and services in many parts of Southeast Asia was inadequate. Often, the implants and equipment available were of questionable quality or priced out of reach of the majority of the local population. To address the problem, he founded his company to provide higher quality, more affordable equipment to the region. OII is now one of the largest distributors of orthopaedic products in the Philippines, as well as being the only manufacturer in the country with its own research and development department.

"We have been using PartMaker software to program our Mazak Integrex machine for the past two years," said CNC Leadman, Enrico Nada. "This machine is a multi-axis lathe with additional milling functions. Manual programming can be used for simple components but, for complex parts like our implants and medical devices, PartMaker software is essential."

"All of our orthopaedic implants and medical devices must be made to the highest levels of precision and accuracy," continued Mr. Nada. "The materials that we use are mainly titanium and stainless steel, which are both difficult to machine. In addition, titanium is very expensive so we need to be extremely

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careful to eliminate errors and minimise the number of rejected items. To keep costs down, we need to reduce the time needed for machining and to minimise the use of multiple set-ups. PartMaker is a big help in all these areas.”

“As CNC Leadman, I am responsible for producing all the NC programs for our Integrex. With PartMaker, this is easier, more accurate and much faster than manual programming,” claimed Mr. Nada. “I have no problem in importing solid models from our design software and I can define the toolpaths directly from the solid models.”

“I can do simulations to check the NC programs before transferring them to the machine, both to confirm that the part that will be produced matches the CAD model and to guard against any collisions on the machine. Even though this is the first time I have operated a multi-axis, turn-mill machine, thanks to PartMaker, I am confident that I am able to maximise its capabilities,” he conclude

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DLR and ONERA select LMS as Ground Vibration Testing (GVT)

2 February 2010

LMS has entered into an agreement with DLR (the German national research center for aeronautics and space, transportation and energy) and ONERA (the French national aerospace research center) to deliver their next-generation Ground Vibration Testing (GVT) systems.

Dr. Jan Leuridan, Executive Vice-President and CTO, LMS International, “DLR and ONERA each ordered a 384-channel LMS Test.Lab GVT solution, which can be combined to form a 768-channel test system. Their decision confirms our position as the leading industrial partner for GVT testing. Both DLR and ONERA have developed their know-how for GVT testing over many years, and have a claim to fame for GVT testing in the aviation industry. We look forward to contributing to the advancement of the overall GVT methods and practices at these industry-leading organizations.”

Dr. Boeswald, Coordinator of DLR’s Ground Vibration Test Facility, “After the Airbus A380 GVT, we decided to switch from LMS CADA-X modal analysis software to Windows-based LMS Test.Lab. To achieve that with our custom-built VXI data acquisition system, we had to link in-house data acquisition systems to the LMS Test.Lab PolyMAX modal analysis solution. For our next-generation solution, we decided to combine data acquisition and analysis in a common environment, and selected the LMS Test.Lab GVT solution as the platform to support the complete GVT process. We also wanted to maintain the possibility to combine our system with ONERA’s system in France. Therefore, we needed to align our decisions and synchronize the evaluation effort.”

Pascal Lubrina, Manager of ONERA.’s Ground Vibration Test Facility, “LMS truly understood our particular situation and offered the solution we needed: a complete yet efficient GVT solution - easily customizable to fit our specific needs. LMS is an innovation-driven company, and LMS fully understands as well the need for high-level support of our research initiatives. By merging their leading GVT solution with our extensive 30 years of GVT experience, we will be able to take our GVT testing practices to the next level, and meet the ever more stringent deadlines of our customers,” stated Mr. Lubrina.

With important GVT campaigns planned for the 2010-2011 timeframe, ONERA and DLR investigated various industrial players. Following successful GVT benchmarks, DLR and ONERA selected LMS and decided to base their new GVT systems on the LMS Test.Lab GVT solution. This solution already

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covers all common GVT requirements, and could easily be configured to fully manage DLR and ONERA's specific GVT methods and practices. Additionally, the LMS Test.Lab GVT solution proved to have the necessary openness to integrate customized procedures to support DLR and ONERA's research initiatives.

About the LMS Test.Lab GVT solution

The [LMS](#) Test.Lab GVT solution uses the LMS SCADAS III networked data acquisition system, in combination with the LMS Test.Lab data acquisition applications for MIMO FRF acquisition under random, swept and stepped sine excitation conditions and a direct modal acquisition module for normal modes tuning. Key to maximal productivity, all acquisition modules are seamlessly integrated with the LMS Test.Lab modal analysis software, PolyMAX, and its wealth of modal validation capabilities.

About DLR

DLR's extensive research and development work is integrated into national and international cooperative ventures. The more than 6500 employees of DLR are organized in 29 research institutes and facilities located at 13 different sites in Germany. The DLR site in Goettingen is dedicated to fundamental and application-oriented research in the field of aeronautics engineering. The main activities of the 380 DLR experts employed in Goettingen are focused on aero-elasticity, aerodynamics and flow technology, and propulsion engineering. Together with the French Aeronautics and Space Research Center ONERA, DLR Goettingen operates the largest mobile ground vibration test facility in Europe.

About ONERA

ONERA is the leading aerospace and defense research center in France. A public establishment created in 1946, it reports to the French Ministry of Defense. ONERA has over 2,000 employees at eight major facilities, including 1,500 scientists, engineers and technicians. Building on its multidisciplinary expertise and a world-class fleet of test facilities, ONERA works for both government and industry, spanning major corporations and small businesses. ONERA deploys a partnership based approach to research, with five times more contract business per researcher than the average in France. ONERA is a recognized source of innovative solutions, technical expertise and long-term design vision, paving the way for tomorrow's programs. ONERA has contributed to some of today's most successful aerospace and defense programs, including the Ariane 5 launcher, Airbus jetliners, Eurocopter helicopters, the Rafale fighter and the Falcon 7X business jet.

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Entrepreneurial Dutch Manufacturer Selects Valor's Quality Management System

1 February 2010

Valor Computerized Systems Ltd has been selected for its vCheck Quality Management System by Nedap N.V, developers of security and electronic control units as well as automation, management and information systems for organisations in a wide variety of industry sectors.

Nedap N.V., headquartered in Groenlo, the Netherlands, purchased the vCheck system as a major step to a possible implementation of Valor's comprehensive new end-to-end software suite, DynamiX, a long awaited MES software solution that encompasses the entire production process from Lean management of materials, PCA assembly processes and test, full product assembly and test, through to the final packing of finished goods ready for shipment

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vCheck is designed to function as a stand-alone application, or as part of a larger MES suite, and will enable Nedap N.V. to fully maximize quality and drive the manufacturing process to optimal performance by balancing quality, throughput and cost. Every aspect of quality testing and inspection is visible to any decision maker in real-time allowing immediate review and action if required. Valor's Quality Management System fully integrates into each customer's manufacturing and test environment, collecting data from test and repair stations including visual inspection stations, AOI, AXI, ATE, and functional test equipment.

All collected information is captured and consolidated into one centralized database that can be cross-linked into other data sources via built in APIs, facilitating the detection of problems and their causes. vCheck features alarms and Acceptable Quality Level (AQL) trigger points to help continuously reduce Defects Per Million Opportunities (DPMO) in the manufacturing process. In conjunction with the closed loop repair station capability featuring intelligent diagnostic guidance, the time used to analyze tests is significantly reduced and repairs are considerably streamlined.

"We have been looking at ways to develop a leaner manufacturing model to become more cost effective, to improve manufacturing efficiency and most importantly to optimize quality." said Ton Scharenborg, general production manager from Nedap Inventi B.V. "After intensive market evaluation, we discovered Valor and their targeted range of software solutions. We felt that introducing a good Quality Management System would facilitate our goal to streamline our manufacturing capability. vCheck is very user friendly and the traceability, defect data collection and analysis tools have helped us to identify problems faster, resulting in fewer production slowdowns and faster turnarounds. It's an initial step for us to implementing the full MES solution from Valor, called DynamiX, which we consider to be a best in class solution."

Stephan Häfele, President of Valor Europe, comments, "We are very pleased to have Nedap N.V. as a new customer. As a pioneering company forging new ground in electronic and security control units, Nedap N.V. approached us to provide a solution that would help them advance manufacturing performance and quality. vCheck is a flexible and affordable solution that meets this requirement, addressing traceability, improved quality and efficiency. We will be pleased to help extend their manufacturing effectiveness further in the near future, by putting our DynamiX software suite into operation."

For further information about vCheck, DynamiX and further solutions in Valor's range, please visit www.valor.com

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Infor to Spark Lean Manufacturing Gains at C/G Electrodes

1 February 2010

Infor has been selected by [C/G Electrodes](#), a leading manufacturer of graphite electrodes used in the electric arc furnace steel making process, to manage its business processes and strengthen its lean manufacturing practices. Infor ERP SyteLine, a dynamic enterprise resource planning (ERP) solution for discrete manufacturers, along with its Advanced Planning and Scheduling module, will help the company optimize inventory, improve team member efficiency, and bolster customer service.

"As the only wholly American owned manufacturer of graphite electrodes, we required an ERP system with a wide range of functionality for production planning, shop floor control, and product costing," said Carolyn Hockman, Manager, Business Systems at C/G Electrodes. "We selected Infor because Infor is

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sharply in tune with the requirements of mid-sized manufacturers and took the time to get to know and understand our business. Throughout the process it became clear that we were important to Infor, and that ERP SyteLine was the best solution to meet our unique needs.”

ERP SyteLine will help C/G Electrodes meet its goal of shortening time-to-market by providing greater accuracy, detail and speed of information across the complex processes required for hybrid manufacturing. Also key to C/G Electrodes’ selection of ERP SyteLine was the solution’s analytic and reporting capabilities, which deliver critical information to users without disruption to daily operations. This functionality will enable primary decision makers to make the choices they need to be more competitive and enhances workforce productivity.

The Advance Planning and Scheduling module for ERP SyteLine will help the company coordinate orders with production planning to improve customer service. Due to the nature of the graphite electrode manufacturing industry, C/G Electrodes requires a planning module fully capable of synchronizing inventory and material flow to customer demand. Advanced Planning and Scheduling gives C/G Electrodes heightened visibility into inventory and available resources, improving its lean manufacturing operations and increasing customer service.

Infor ERP SyteLine and the Advanced Planning and Scheduling module will be implemented at C/G Electrodes with the help of Infor channel partner, Decision Resources, a full service manufacturing and technology consulting firm.

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Kensey Nash Selects PTC Windchill® for Product Lifecycle Management

2 February 2010

PTC announced that Kensey Nash Corporation, a leading medical technology company that provides solutions and technologies for a wide range of medical procedures, has selected Windchill®, PTC’s PLM software, to manage its release to manufacturing processes for improved efficiency and visibility of compliance.

“We selected Windchill because it offers a better approach to collaborate more effectively within our enterprise as well as with suppliers and enables us to keep our products compliant through improved release to manufacturing processes.”

“Kensey Nash has an extensive product portfolio comprised of thousands of parts,” said Dennis Sauro, director of product design, at Kensey Nash. “We selected Windchill because it offers a better approach to collaborate more effectively within our enterprise as well as with suppliers and enables us to keep our products compliant through improved release to manufacturing processes.”

In addition to Windchill, [Kensey Nash](#) uses PTC’s product development software including Pro/ENGINEER® for the digital design of its biomaterial-based products, Mathcad® to capture engineering calculations, Pro/ENGINEER Mechanica® for virtual prototyping and Pro/NC™ for physical prototyping/production machining. Using PTC software, Kensey Nash is able to develop alternate solutions for design challenges without the need to test and create physical prototypes at each iteration of the design phase. This capability enables the company to solve for a variety of engineering and manufacturing issues at the same time, ultimately minimizing costs and improving time to market of new products.

“Today, eight of the world's top ten medical device manufacturers rely on [PTC](#) for their PLM solutions,”

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said David Rubin, director, product and market strategy, PTC. “Using PTC’s PLM software, companies like Kensey Nash are able to develop better quality, lower-cost products faster and streamline their introduction into the marketplace. We look forward to working with Kensey Nash to drive efficiencies throughout their product development processes.”

3HTi, a Platinum reseller in PTC’s Channel Advantage Program, also worked with Kensey Nash to establish a prototype shop that focused on product design and toolpath creation for CNC machines. The prototype shop enabled Kensey Nash to reduce the time spent developing an increasingly complex part fabrication process.

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Mid-Continent Group Selects Camilion Authority Suite®

20 January 2010

Camilion Solutions™, a leading provider of [insurance product development solutions](#) and [modern P&C policy administration systems](#) that create enterprise product agility, announced that Mid-Continent Group, a member of American Financial Group, has selected Camilion Authority Suite as their policy administration system. Authority Suite will support Mid-Continent Group’s full commercial lines in all 50 states. Authority Suite has provided same day policy issuance and has been proven to reduce policy administration and product development costs by 25% and enable the development of new products in weeks, not months.

“Mid-Continent Group realizes that now is the time to prepare for the economic rebound and that the right policy administration system will play a pivotal role in creating new market and revenue opportunities,” says Jim Davis, Vice President, Commercial Underwriting, Mid-Continent Group. “Camilion’s Authority Suite is a modern, configurable, Web-based solution that will give us the flexibility and agility we need to support our future growth while helping us meet our objective to optimize service to our agents. With sophisticated product configuration capabilities that allow trained business users to modify and develop their own insurance products, and Camilion’s proven knowledge transfer program, Authority Suite will give us the self-sufficiency we want.”

Leveraging a Service-Oriented Architecture (SOA) and built on the most modern, tools and rules-based technology platform, Authority Suite supports the entire policy lifecycle including application data capture, qualification, rating, quote management, bind, issuance, all the required policy endorsement functionality and easy integration to other enterprise systems. Authority Suite, which features a consolidated underwriting workstation and straight through processing, is powered by Camilion ProductAuthority®, a “true” product development and management solution. ProductAuthority creates agility by externalizing all product data and rules from multiple, hard-coded operational systems into a central product repository, where complex products can be easily configured and modified.

“Our first mid-market customer, [Mid-Continent Group](#) will reap the benefits of a modern policy administration built to provide the functionality, agility and expense reduction that Tier 1 insurers have been demanding,” says Ross Orrett, Camilion’s CEO and President. “This win proves that Authority Suite is a solution that can effectively “scale down” to meet the needs of the mid-market. We appreciate the confidence that Mid-Continent Group placed in our proven solution and our track record when they made the decision to purchase Authority Suite.”

About Camilion Solutions™ Inc.

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Camilion Solutions, Inc. (<http://www.camilion.com>) is a provider of insurance product development solutions and modern P&C policy administration systems that create product agility.

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Siemens PLM Software Technology Used for Collaborative Development of Award Winning Ford Vehicles

3 February 2010

[Siemens PLM Software](#) announced that its software solutions have been used as important enablers in the development of the award winning Ford Motor Company vehicles.

The Ford Fusion™ Hybrid and Ford Transit Connect™ were named 2010 North American Car of the Year and Truck of the Year, respectively. This was only the third time in 17 years that one automaker has won both awards. This is the second consecutive year that Ford has won the Truck of the Year award; the Ford F-150 won the 2009 North American Truck of the Year award.

Separately, the entire Ford Fusion lineup captured the acclaimed MOTOR TREND® Car of the Year award for 2010.

“Siemens PLM Software is proud to be a key partner in delivering PLM solutions that support Ford Motor Company’s delivery of outstanding vehicles and congratulates Ford on its award winning car and truck of the year,” said Chuck Grindstaff, executive vice president, Products and Chief Technology Officer, Siemens PLM Software. “The [automotive industry](#) understands the need to streamline product development and create efficiencies across entire organizations, and leading OEMs like Ford are increasingly relying on PLM software to bring quality, efficient vehicles to market in a timely manner.”

As a leading provider of PLM software and services for the automotive and transportation industry, Siemens PLM Software is a mission-critical partner for Ford Motor Company, providing PLM solutions to enable key business process improvement initiatives. Ford utilizes Siemens PLM Software’s technology for product development, product data management and digital manufacturing.

Siemens PLM Software’s PLM portfolio, serves as Ford’s global engineering collaboration backbone, enabling cross discipline collaboration between engineering, design, manufacturing and serviceability teams.

Siemens PLM Software provides solutions that are used on all Ford vehicle programs around the world, enabling critical process like:

- Enterprise-wide visualization and digital prototyping, which allow designs to be optimized in the virtual environment
- Digital manufacturing solutions provide global manufacturing planning capabilities which enhance efficiency and quality
- Software Management which enables effective distribution of embedded vehicle software to plants and service centers

From early portfolio planning through product development, manufacturing and product obsolescence, Siemens PLM Software has set the standard for PLM technology in the automotive and transportation industry.

In 2009, Siemens PLM Software technology was used for the design of the *Motor Trend* Car and Truck

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of the Year award winners. Over the past ten years, Siemens PLM Software solutions for design, analysis, product data management or digital manufacturing have been utilized by more than 80 percent of the award-winning vehicles recognized by *Motor Trend* in the categories of Car of the Year, Truck of the Year or Sport/Utility of the Year.

Siemens PLM Software's technology is used by automakers and suppliers to plan, evaluate and coordinate the development and manufacturing engineering of vehicles. Siemens PLM Software satisfies the mission critical needs of leading automotive original equipment manufacturers (OEM's) for managed collaboration across complex engineering functions and throughout the extended supply chain. By breaking down barriers between engineering functions, providing real-time access to information, and performing analysis and simulation, Siemens PLM Software has delivered double-digit efficiency improvements.

Siemens PLM Software is used extensively in the automotive industry. Of the 68 million vehicles produced in 2008 by the top 50 global OEM's, Siemens PLM Software was used on more than 64 million. Additionally, of the 16 OEM's producing over 1 million vehicles a year, 15 of them use Siemens PLM Software technology. And overall, of the top 30 OEMs, 26 use Siemens PLM Software's technology in the development and manufacturing of their vehicles – more than any of Siemens PLM Software's competitors.

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Sopheon among Winners of Army Tank Automotive Research Development and Engineering Center (TARDEC) Contract

3 February 2010

[Sopheon](#) announced that it is part of a team of organizations working with Concurrent Technologies Corporation (CTC) on a contract that CTC was awarded under the U.S. Army Tank Automotive Research Development and Engineering Center (TARDEC) Omnibus Program. The program is intended to provide TARDEC with resources to augment its in-house capabilities in the development of manned and unmanned military ground vehicles.

The contract team of which Sopheon is a member under the TARDEC Omnibus Program encompasses 30 supplier and resource organizations led by Concurrent Technologies Corporation (CTC). The consortium includes large and small corporations, small disadvantaged businesses, not-for-profits and universities. The contract provides CTC with the opportunity to propose competitively on Cost Plus Fixed Fee (CPFF) and Firm Fixed Price (FFP) orders relating to TARDEC's overall mission as the U.S. government's primary research and development activity for military vehicle systems. The amount of business coming to Sopheon will depend on which CTC proposals are accepted by TARDEC. The contract is a five-year, multi-award, Indefinite Delivery Indefinite Quantity (IDIQ) agreement with a potential overall value to the consortium of up to \$430 million.

TARDEC is part of the U.S. Army Research, Development and Engineering Command (RDECOM). It is the Department of Defense's full lifecycle engineering support provider for all manned and unmanned ground vehicle systems. TARDEC's mission includes working with Life Cycle Management Command (LCMC) and Training and Doctrine Command (TRADOC) stakeholders to maintain a sound, advanced science and technology base in order to address the warfighters' needs with innovative capabilities.

The TARDEC contract is the latest development in Sopheon's successful efforts to establish a strong business beachhead in aerospace and defense (A&D) markets. The company launched its strategy for

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entering the sector less than three years ago. Since that time its base of A&D customers has grown steadily, and now includes such organizations as BAE Systems, EG&G, Honeywell, Lockheed Martin, Northrop Grumman, QinetiQ, Textron and the U.S. Navy and Air Force. The U.S. Army's Ground Vehicle/Power and Mobility (GVPM) Program Office within TARDEC is also a user of Sopheon's software.

"Our strategic focus on A&D markets is still relatively young," said David Vangeison, Sopheon's director for federal, aerospace and defense markets. "But our early experience has validated that this will be an area of great opportunity for us in the years ahead. Sopheon's participation in TARDEC's Omnibus Program underscores our commitment to realizing this potential. Along with our teammates, we look forward to working closely with TARDEC to provide the resources they need to augment their existing capabilities."

About Concurrent Technologies Corporation

Concurrent Technologies Corporation (CTC) is an independent, nonprofit, applied scientific research and development professional services organization, providing management and technology-based solutions to government and industry. As a nonprofit 501(c)(3) organization, CTC's primary purpose and programs are to undertake applied scientific research and development activities that service the public interest. For more information, please visit <http://www.ctc.com>.

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VOX Amps Up New Designs with Autodesk Inventor and Autodesk Showcase Software

4 February 2010

VOX Amplification recently used [Autodesk Inventor](#) and [Autodesk Showcase](#) software, developed by Autodesk, Inc. to help design four newly released guitar amplifiers — the AC30C2 and the AC15C1 Custom Series, as well as the AC15VR and the AC30VR. VOX products have been used by numerous influential bands and musicians, including "The Beatles" and Deep Purple's Joe Satriani.

"In today's economic climate, we need to react fast to market trends," said Dave Clarke, product development manager, VOX R&D. "Creating [digital prototypes](#) with Inventor software and using Showcase for [3D visualization](#) reduces costs and cuts development time in half."

"Digital prototypes help save money by reducing the need for more costly physical prototypes," explained Clarke. "With Showcase, we're able to make real-time changes to a design and quickly reach a concept that the whole team is happy with. This significantly reduces time to market."

VOX Design Goals

VOX wanted to maintain the quality and iconic look of its AC30 amplifier, while adding modern design features, improving serviceability and lowering the price point. The result is the new AC30C2 Custom Series.

For the more affordable AC15VR and AC30VR amplifiers, it was important to keep manufacturing costs down while maintaining the renowned VOX sound quality. The economical amps also needed a look that distinguished them from the company's premium Custom Series offering.

Digital Prototyping with Inventor Software

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Inventor software was used to help design and digitally prototype the new amplifiers, reducing the need for multiple costly physical prototypes. VOX also developed cost-effective manufacturing processes using Inventor software, enabling the company to achieve target price points.

“We wanted a more accessible price point for the AC30C2 Custom Series, but there was no way we would sacrifice quality,” said Clarke. “Using Inventor for the mechanical design of the Custom Series, we were able to more quickly prototype construction techniques that achieved the best possible quality and value. We did the same thing with the AC15VR and AC30VR amps.”

3D Visualization with Autodesk Showcase Software

VOX used Autodesk Showcase software for real-time 3D visualization, creating highly realistic digital imagery of the new products before they were built. 3D visualization helped VOX to more quickly refine and finalize aesthetic decisions, before physical prototypes were built.

“The biggest challenge we faced when launching the new AC30 was adding cool features while remaining true to our roots,” said Clarke. “We used Showcase to help make and finalize cosmetic decisions at the earliest possible stage of the design process. Creating near photo-realistic visualizations also helped eliminate the need for small but costly changes further down the line, which saved a lot of time and money.”

“We also used Showcase from the start of the conceptual design phase for the AC15VR and AC30VR amps,” added Clarke. “The software’s real-time visualization capabilities helped us determine the precise differences between the VR Series and the premium Custom Series.”

VOX also used Inventor and Showcase software to help design the VOX Night Train amp and the Big Bad Wah pedal, which was developed with musician Joe Satriani. To learn more, watch the video titled “VOX Amps Up Designs with Autodesk Inventor and Autodesk Showcase” on the [Autodesk YouTube channel](#).

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Product News

Agilent Technologies’ Advanced Design System 2010 to Support Emerging IBIS-AMI Modeling Standard

1 February 2010

Agilent Technologies Inc. announced its support for IBIS-AMI (Algorithmic Modeling Interface) -- a modeling standard for SerDes transceivers created to enable fast, statistically significant analysis of high-speed serial links. Agilent’s work in support of this standard is expected to yield the commercial release of a new version of [Advanced Design System](#), ADS 2010, which will allow signal integrity designers to integrate IBIS-AMI models into their ADS projects.

“We are very pleased that our membership in the IBIS Advanced Technology Modeling Task Group has brought us to this juncture,” said Colin Warwick, product marketing manager with Agilent’s EEs of EDA division. “We’ve been working with a number of leading IC vendors and believe our customers will benefit from the industry-wide adoption of this open standard. We also believe IBIS-AMI will level the playing field by making proprietary encrypted models obsolete. The models also can be written at the behavioral level, allowing them to run significantly faster.”

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High-speed digital chip I/O pins are increasingly making use of sophisticated signal processing techniques (e.g., pre-emphasis, adaptive equalization and clock-data recovery phase-locked-loops) in order to mitigate impairments that occur in packages, printed circuit boards, connectors, and backplanes (e.g., attenuation, reflections and crosstalk). To use the new I/O capabilities to their fullest extent, signal integrity engineers require accurate models of the IC that can be used for system simulation in their EDA tools. The models act like an “executable datasheet” for the IC.

Much like the music industry used to be hampered by its fragmented, proprietary digital-rights-management (DRM) methods for copyright protection, the EDA industry has failed to create an open encryption standard. As a result, balkanization has occurred under multiple proprietary encryption keys. The IBIS-AMI standard circumvents this issue because its models are a compiled version of behavioral source code. IC vendors can share these models without having to protect the IP with encryption. One model can run in an EDA tool that supports the standard.

Common applications for Agilent’s ADS that will benefit from IBIS-AMI model support include design and verification of chip-to-chip multigigabit/s serial links. These are found in almost all consumer and enterprise digital products produced today, from laptop computers, data center servers and telecommunication switching centers to Internet routers. The accelerated simulation will help manufacturers of these products improve their time-to-market by arriving at an optimum design through rapid and complete exploration of the design space and by avoiding costly and time-consuming prototype iterations. ADS allows for co-design at the system, schematic and layout levels through integration of data flow, channel, circuit and electromagnetic simulators. IBIS-AMI will further add to the extensive model library available within ADS.

Advanced Design System is an industry-leading high-frequency, high-speed electronic design automation software platform. Recent releases of the software include new signal integrity capabilities, such as the addition of a channel simulator that gives ultra-low BER contours in seconds, not hours, and DDR2 and DDR3 Compliance Design Kits for a more complete signal integrity design flow for chip-to-chip links. Additional information is available at www.agilent.com/find/signal-integrity-analysis.

U.S. Pricing and Availability

Agilent’s ADS 2010 is expected to be available later in 2010. An early access (beta) version of the IBIS-AMI capability is expected to begin in April 2010.

About DesignCon

Agilent experts also will offer various technical presentations. For more information and a free pass to the event, visit www.agilent.com/find/DesignCon. Since 1998, Agilent has been a sponsor of DesignCon in partnership with the International Engineering Consortium (IEC).

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Alibre Announces Permanent Price Cuts

1 February 2010

Alibre, Inc. announced price cuts to its line of 3D CAD software. Alibre develops and markets Alibre Design™, a powerful parametric 3D/2D design application. The entry level package, Alibre Design Standard, is now \$97 (down from \$1000) and includes full 3D design and associative 2D drawings, along with Alibre Translate (formerly \$499), an import/export suite that supports Solidworks®, Pro/Engineer™, Autodesk® Inventor™, SolidEdge™, Catia®, and Parasolid formats in addition to all

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neutral CAD formats.

All levels of Alibre Design software and software maintenance have been reduced in price, positioning Alibre products as the extreme value leader in the design and manufacturing industries. The product levels, pricing, and optional software maintenance prices are:

Alibre Design Standard - \$97 (software), \$97 (1 year support and updates) Includes parametric 3D design (parts and assemblies), 2D drafting, import/export options for native CAD formats and neutral formats, and 3D PDF creation.

Alibre Design Professional - \$497 (software), \$147 (1 year support and updates) Adds sheet metal design module, push/pull editing, standard part libraries, design configurations, photorealistic rendering, and single part FEA analysis.

Alibre Design Expert - \$997 (software), \$197 (1 year support and updates) Adds Windows-integrated data/product management solution, integrated physics-based motion analysis, an integrated CAM solution, and Machinist Toolbox, a shop utility offering features such as unit conversion, speeds and feeds, trig calculations, and reference materials.

"We tried the very aggressive pricing last year and found the response to be overwhelming. We also had many industry experts saying it was completely unsustainable. We are delighted to prove them wrong. By stepping out of the premium price niche into the mass market, Alibre more than made up in volume what we lost on price. The new price points allow literally anyone to own professional 3D CAD software. Adding in the file translators to every product we offer further extends anyone's ability to use their existing files directly in Alibre Design right out of the box," says Paul Grayson, Alibre Chairman and CEO.

The new price points position Alibre products to enter new markets - primarily the individual and home user - while still providing the professional grade tools higher end users expect. The DIY phenomenon, as covered by many publications such as Wired, the New York Times, and the Wall Street Journal, presents a huge opportunity for vendors willing to cater to lower price points. People are designing things for themselves, either as products or as side projects, and benefit from professional design tools. It's been the case in the past that they simply could not afford them.

"What we've seen over the last year is a shift in the way consumers drive the technology curve. Their behavior gives vendors two options: deliver more for less, or don't deliver at all. Some vendors feel it just isn't worth it - we see it as a massive opportunity," says Max Freeman, Vice President of Marketing.

For more information on Alibre, or for a free trial of Alibre Design and Alibre CAM, please visit www.alibre.com.

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Aras is First PLM Software Solution Certified for Microsoft Windows Server 2008 R2

3 February 2010

Aras® announced that the Aras Innovator® suite is the first PLM offering Certified for Microsoft Windows Server 2008 R2. Certification independently validates that the Aras solutions are highly scalable, reliable, and secure on the Microsoft platform.

Windows Server 2008 R2 certification is comprised of over 100 test cases that verify an application's compliance with Microsoft-recommended standards to ensure scalability, security, stability, availability,

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reliability and compatibility on the new Microsoft platform. Numerous platform advancements in Windows Server 2008 R2 build on the foundation of Windows Server 2008, expanding existing technology and adding new features to deliver enterprise performance with greater support multi-core processing, robust network load-balancing, and advanced data center virtualization with Hyper-V.

“Attaining the Certified for Windows Server 2008 R2 logo designates that an application has successfully completed independent testing to Microsoft’s most stringent criteria,” explained Eric Jewett, Director of Windows Server Marketing at Microsoft. “Achieving certification is a significant accomplishment and we applaud Aras for recognizing the value it brings to our mutual customers, and for being consistent and proactive in their efforts to obtain and maintain certification on the latest Microsoft platform products.”

“Aras is proud to be the first enterprise PLM software suite certified for Windows Server 2008 R2,” said Peter Schroer, President of Aras. “We view Microsoft certification as an important independent validation which provides an added level of confidence to the corporate community for large scale enterprise deployments.”

Details about Windows Server 2008 R2 software certification and the test framework are available at <http://www.microsoft.com/windowsserver/isv>

Aras Innovator is designed and developed on Microsoft Windows Server 2008 R2 and takes full advantage of the capabilities offered by Microsoft to global corporations that require significant scalability, high availability and comprehensive administration. By combining advanced functionality with an enterprise open source approach Aras is delivering a PLM value proposition to companies of all sizes: better PLM software solutions that eliminate PLM license expenses forever.

For additional information about the Aras Innovator suite of PLM software solutions, as well as, the Aras Unlimited subscription packages, training, and professional services from Aras and Aras partners visit <http://www.aras.com>

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ArchiCAD 13 Swiss, Chinese, and Taiwanese Versions Released

February 2010

The Swiss (German language) version is the 23rd in the release schedule after the already released International, German, US, Australian, New Zealand, French, Italian, Austrian, Hungarian, Finnish, Russian, Norwegian, Swedish, Japanese, Spanish, Portuguese, Dutch, Polish, Czech, Greek, Turkish, and Danish versions of ArchiCAD 13. For more information, please visit <http://www.idc.ch>. Other localized versions will be released during February.

Shipping starts on February 1.

The Chinese version is the 24th in the release schedule after the already released International, German, US, Australian, New Zealand, French, Italian, Austrian, Hungarian, Finnish, Russian, Norwegian, Swedish, Japanese, Spanish, Portuguese, Dutch, Polish, Czech, Greek, Turkish, Danish, and Swiss versions of ArchiCAD 13. For more information, please visit <http://www.archicad.net.cn>. Other localized versions will be released during February.

Shipping starts on February 3.

The Taiwanese version is the 25th in the release schedule after the already released International,

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German, US, Australian, New Zealand, French, Italian, Austrian, Hungarian, Finnish, Russian, Norwegian, Swedish, Japanese, Spanish, Portuguese, Dutch, Polish, Czech, Greek, Turkish, Danish, Swiss, and Chinese versions of ArchiCAD 13. For more information, please visit <http://www.academicd.com>.

Shipping starts on February 3.

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Cadence Encounter Digital Implementation System 9.1 Addresses Industry Productivity Crisis for Complex System-on-Chip Design

1 February 2010

Cadence Design Systems, Inc. has released Cadence® Encounter® Digital Implementation (EDI) System 9.1, a complete and integrated digital design, implementation, and verification environment for the development of large-scale, complex SoCs. The new and expanded suite of capabilities in EDI System 9.1 answers the industry call for improved designer productivity in developing advanced low power and mixed signal SoCs at leading-edge process nodes – such as 32- and 28-nanometer - with hundreds of millions of gates, including hundreds of IP elements and embedded processors.

Consumer demand for smaller, faster, feature-rich devices drives demand for larger-scale, higher-performance and lower-power SoCs. To compete in these markets, semiconductor companies must deliver the best and most differentiated designs, faster than the competition—a tricky combination that forces semiconductor companies to work through conflicting design objectives and sometimes incur higher manufacturing costs or take on greater technology and business risks.

EDI System 9.1 removes these challenges to design productivity through innovative *design exploration* capabilities. By combining automatic floorplan synthesis, unique data abstraction modeling, and new concurrent macro- and standard cell placement, all driven by fully the embedded signoff analysis capabilities of EDI System, users can quickly find and implement the optimal physical architecture of a chip.

Design exploration does this by automatically and concurrently examining thousands of combinations of design variables, option settings, floorplan architectures, and physical implementation approaches in parallel. This exhaustive examination allows users to fully explore the range of design possibilities, and deliver smaller, faster, higher functioning chips, while accelerating design schedules by weeks or months.

EDI System also improves designer productivity by broadening its integrated suite of native signoff capabilities. Building on its existing foundry certified power, timing, and signal integrity (SI) signoff capabilities, EDI System 9.1 now adds silicon-accurate *extraction* and *design-for-manufacturing* (DFM) *analyses* to complete the picture.

The new integrated, turbo QRC extraction capability provides fast in-design, incremental signoff extraction and drives fast and convergent design closure for physical and electrical design requirements. Also, since foundries now mandate DFM checks in the physical design flow at 40-nanometer and below, built-in, foundry-certified DFM analysis is a must-have at these nodes. The new integrated DFM capability –turbo Litho Physical Analyzer – brings built-in litho pattern intelligence and filtering to the interconnect routing phase, enabling automatic detection, prevention, and correction of potential litho hotspots before they happen. This capability improves DFM and yield for advanced 40-, 32- and 28-

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nanometer nodes and is significantly faster than traditional lithography signoff tools.

EDI System 9.1 also extends its memory architecture to achieve significant gains in memory capacity, acceleration in single-CPU operations, and improved performance scalability across its multi-CPU backplane, bringing efficient parallel processing throughout the design flow.

The convergence of design exploration, signoff-driven implementation, faster performance, and larger capacity in EDI System 9.1 has a significant impact to designer productivity. It enables designers to design, implement, and verify chips 2-3X larger and 2X faster than traditional flows and with superior quality of silicon. The tight integration of signoff checks in the implementation phase enables exceptional correlation to final silicon, thereby reducing the potential for expensive silicon respins.

“Our 10GBASE-T PHYs are tuned for the highest performance and lowest power on the smallest die area,” said Sridhar Begur, vice president of engineering at Teranetics. “With EDI System’s end-to-end multi-CPU timing closure solution, we were able to reduce our turnaround time by more than half, and meet our design objectives significantly ahead of schedule. EDI System also provided us with an advanced 40-nanometer flow, enabling accurate, in-design prevention and fixing of lithography effects that translated to increased manufacturability and yield of our designs.”

The constant pursuit of excellence in semiconductor design leads to a stream of technology advancements and fundamental shifts in design methodologies and processes to better manage SoC complexity, improve quality of silicon, and to ensure chips get to market on time. Silicon-on-insulator (SOI), high-k metal gates, and 3D-IC/through-silicon via (TSV) are just a few examples of some of these shifts taking place. In addition, a growing list of advanced low power design techniques such as dual flip-flop, pulse latch, power switch optimization and hierarchical low power design are being explored and employed by companies seeking the utmost in power reduction. Cadence, in collaboration with leading semiconductor companies and ecosystem partners, continues to play a pivotal role in driving the definition, development, and enablement for these areas, and EDI System 9.1 is a prime example of where it all comes together.

“Semiconductor leaders and ecosystem partners provide us with early insight into emerging challenges, and this collaboration is exactly what allows us to get ahead of the curve,” said David Desharnais, group director of design, implementation and verification product management at Cadence. “The compounding complexities of chip design and the economics associated with bringing a SoC to market, drive a renewed interest in closing the productivity gap and achieving chip profitability as quickly as possible. The new EDI System 9.1 release provides the industry with the capability to achieve those goals.”

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COADE Releases CAESAR II Version 5.20 Updates

2 February 2010

COADE announced the release of a new build for CAESAR II Version 5.20 with a number of updates including corrected occasional load factor calculations for code ISO-14692, modifications to TD/12 for title labeling in output reports, computational changes to address a B31.8 VIII code interpretation, and an updated Stoomwezen Approval Certificate for CAESAR II Version 5.20. Also included in the build are several enhancements to graphics plus a number of user-requested updates and additions.

Additional information on these CAESAR II updates and a link for the download are available at <http://www.coade.com/products/caesarii>.

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Euklid CAD/CAM is Latest Application to Benefit From Siemens PLM Software's D-Cubed 2D DCM

2 February 2010

[Siemens PLM Software](#) and Euklid CAD/CAM AG, a leading provider of specialized computer-aided design and manufacturing (CAD/CAM) solutions, announced the release of Siemens PLM Software's 2D Dimensional Constraint Manager ([2D DCM](#)) component in the Euklid CAD/CAM application.

Many manufactured products are derived from 2D sketches and Euklid CAD/CAM includes extensive tools for creating and editing such designs. Integrating the 2D DCM, part of the Siemens [D-Cubed™](#) software family, enables design intent to be captured using both geometric constraints and driving dimensions which can be subsequently modified to explore design variations. Euklid CAD/CAM has implemented this capability to improve productivity with a new suite of tools for applying design intent to 2D part profiles, even as they're being created.

"Licensing the 2D DCM to improve our sketcher enabled us to focus our development resources in other functional areas where we possess domain expertise," said Heribert Kaiser, sales manager of Euklid CAD/CAM. "Our team can now concentrate its efforts on areas like surface machining and mold design, where we offer general tools as well as highly specialized solutions for applications ranging from impeller manufacture to tire tread design. In addition, implementing the 2D DCM has enabled us to deliver practical, time-saving innovations with a minimum of cost and risk. One innovation our customers value is the integrated design and editing capability that allows them to create parts or make changes to imported parts more efficiently."

Euklid CAD/CAM joins a growing number of vendors offering solutions in the [computer-aided manufacturing](#) space who seek to improve their supporting design and editing capabilities by licensing geometric modeling and parametric design components from Siemens PLM Software.

"Advanced tools for 2D sketching are no longer a characteristic exclusive to specialized 2D drawing packages and high-end mechanical CAD applications," said Joan Hirsch, vice president, Product Design Solutions, Siemens PLM Software. "Today the 2D DCM is licensed by application vendors of all sizes, representing a wide range of different industries who seek superior but affordable software tools from a well-established business partner. We look forward to supporting Euklid CAD/CAM as they deliver the latest high caliber application employing the 2D DCM."

About Euklid CAD/CAM

With almost 40 years of experience in the development and operation of the CAD/CAM system EUKLID, Euklid CAD/CAM AG is an experienced and leading provider of solutions for the die and mold industry. It integrates with CAD, powerful NC-programming capabilities in the CAM part, and a full range of postprocessors all the steps to the milling machine. The range of applications extends from 5- and 3-axis milling of complex parts to drilling and milling in 2.5 axis. For more information, visit www.euklid-cadcam.com.

About PLM Components: Parasolid and D-Cubed

PLM Components are software tools that support innovation and promote interoperability in CAD, CAM, CAE and PLM applications. Siemens PLM Software develops these components, uses them throughout its own applications and licenses them to independent software vendors and end-user organizations. PLM Components include the Parasolid® and D-Cubed™ software products,

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technologies that provide 3D part and assembly modeling, editing and interoperability, 2D/3D parametric sketching, motion simulation, collision detection, clearance measurement and visualization functionality. Applications include mechanical CAD, CAM, CAE, mold design, sheet metal, AEC, GIS, structural, plant and ship design, CMM, reverse engineering and sales configuration. For more information, please visit www.siemens.com/plm/open.

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Flow Science Announces Consultancy Agreement with AlchemCast (Birmingham, Alabama, USA)

4 February 2010

Flow Science, Inc. announced it has entered into a cooperative agreement with AlchemCast, LLC to provide computational fluid dynamics (CFD) consultancy services in the iron and aluminum sand casting industry. AlchemCast assisted developers at Flow Science by providing empirical data necessary to validate FLOW-3D's new core gas generation model and, under the new agreement, will continue to provide supporting data and advice in respect to further developments of FLOW-3D aimed at better serving foundries.

"This agreement will enable iron and aluminum foundries to more-easily benefit from CFD simulation methods, in order to design and produce their parts better and faster," said Thomas S. Jensen, Flow Science's president, "and getting greater access to the expertise of the engineers at AlchemCast will be a huge plus for our development process."

Flow Science, Inc. is a privately-held software company specializing in transient, free-surface CFD software for industrial and scientific applications worldwide. Flow Science has distributors for FLOW-3D sales and support in nations throughout North America, Europe, Asia and Australia. Flow Science's headquarters is located in Santa Fe, New Mexico. Flow Science can be found on the internet at <http://www.flow3d.com>.

AlchemCast is a privately-held company located in Birmingham, Alabama and can be found on the internet at <http://www.alchemcast.com/>.

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Gerber Technology Releases AccuMark® Version 8.4

2 February 2010

Gerber Technology released AccuMark version 8.4. In line with the company's commitment to meet the rapidly changing needs of its customers, the enhancements to this software focus on enabling users to work with improved efficiency and accuracy.

"Enhanced communication improves efficiency and reduces errors," said Bill Brewster, VP of Gerber Technology and head of the Gerber Software Systems Group. "In order to make our AccuMark user experience easier and more efficient, we improved the integration between AccuMark and other applications, as well as provided several new tools to support collaboration."

A key feature to AccuMark 8.4 focuses on the customers' need for collaboration regardless of location or native language. Clearly communicating product specifications is critical to ensuring quality and on-time delivery. Language barriers in a global environment are a common cause of errors in product development, which in turn causes costly production delays. Gerber Technology has incorporated a

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translation library into AccuMark 8.4, which enables users to create notes on piece and marker data in one language and deliver it in another.

Enhancements to AccuMark 8.4's Pattern Design Software (PDS) component improve productivity and reduce the risk of error. Users can now directly reference measurement specifications when making pattern changes and the addition of a calculator enables quick calculations while editing pieces. In addition, Gerber Technology has introduced support for customers wanting to expand their business into new geographic markets. The Pattern Wizard feature offers the ability to generate patterns simultaneously to different body and fit specifications for different geographic markets.

Gerber Technology's software development team also included important changes in the areas of productivity and material utilization, including a new automarking engine. Many enhancements have also been added to the AccuMark batch engine to improve efficiencies and controls.

Many AccuMark customers rely on Gerber AccuNest as a component of their marker making for production and the sample room, as well as cost and consumption forecasting and product yield initiatives. AccuNest version 8.4 features material optimization improvements as well as a quick processing option that allows the user to speed up the nesting process. With production cycles continuing to shorten, it becomes increasingly critical to automate and accelerate the generation of sample markers, pre-production markers, and regular production markers. All the enhancements in AccuNest 8.4 reduce material consumption, increase efficiencies, and ensure accurate and sustainable results.

AccuMark 8.4 supports Microsoft Windows 7 Professional and Ultimate Editions (32 and 64 bit). Currently available in 26 languages, AccuMark sets the standard for pattern design, grading and marker making/nesting in the apparel, transportation interiors, furniture and industrial fabrics industries. Customers with software subscription contracts can download AccuMark 8.4 free of charge from GERBERnet™, the company's Internet-based customer service portal for software updates, replacement parts ordering and comprehensive technical documentation. Access to GERBERnet is provided via <http://www.gerbertechnology.com>.

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iPhone®/iPod touch® app Lets Users Upload and Review MPDS4 Plant Designs and 3D Models on the Go

3 February 2010

Viewing 3D plant designs no longer requires expert software. CAD Schroer's MPDS4 plant design and factory layout software output and MWF Technology's "On-Hand Viewer" iPhone / iPod touch app now make it easy for anyone to view 3D data on the go.

Project engineers inspecting building sites tend to arrive well-armed with a large stack of technical drawings in order to review progress and ensure that installation construction is going to plan. Their job has just become much easier, with direct access to the latest project data - any time and anywhere. CAD Schroer's MPDS4 software, combined with the "On-Hand Viewer" iPhone / iPod touch app, lightens the load by putting the latest 3D design data right on the phone in your jacket pocket.

[Find out more about MPDS4 Plant Design and Factory Layout](#)

On-Hand Viewer iPhone App

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MWF Technology's "On-Hand Viewer" allows users to download 3D plant or factory models exported from MPDS4 directly onto the iPhone or iPod touch via an ftp server. The application then provides a range of tools for navigating and even cross-sectioning the model. Thanks to easy access via WLANs or mobile Internet technology, users can take advantage of the software in practically any location. The lite version of the application can be tested free of charge by iPhone or iPod touch users, who then have the option of purchasing the professional app.

[Find out more about the On-Hand Viewer app](#)
(Download of the app requires iTunes® to be installed)

[View the MPDS4 & On-Hand Viewer video](#)

MPDS4: Powerful Plant Design and Factory Layout

The comprehensive MPDS4 plant design and factory layout software used to create these well-travelled models allows design engineers to plan, lay out and visualise highly complex installations.

Because it is based on a relational database, the software handles a huge amount of data with ease.

Support for all the plant design disciplines, from piping to steelwork to HVAC, extensive design automation capabilities, and integration with third party systems ensures comprehensive support for all project phases, from pre-sales concepts and visualisation to build order and documentation.

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Mentor Graphics Enhances Signal and Power Integrity Solution with Full-Wave 3D Analysis

2 February 2010

Mentor Graphics Corporation announced delivery of full-wave 3D electromagnetic (EM) analysis functionality addressing the needs of the industry's most advanced designers of high-performance electronic products. These EM analysis enhancements address the advanced simulation needs of engineers designing PCBs and packages that utilize high-speed interconnect technologies such as SERDES, which operate at multi-gigabit-per-second speeds.

The new functionality is a result of Mentor Graphics' recent acquisition of certain assets of Zeland Software Inc., which for 17 years has been a recognized leader in electromagnetic simulation. This new functionality is integrated with the Mentor Graphics HyperLynx® product suites and will analyze, in full electromagnetic detail, 3D structures such as vias, solder bumps, wirebonds, and edge connectors.

"Mentor is the only supplier to provide a full PCB systems design flow including this much-needed 3D electromagnetic solution," stated Henry Potts, vice president and general manager of Mentor Graphics' Systems Design Division. "It further strengthens our technology and world market share lead and provides our customers with capabilities they need to design their advanced electronics products."

Today's fast circuits commonly operate at speeds that require high-frequency electromagnetic effects to be accurately captured and modeled on PCBs, IC packages, and at the system level. Neglecting signal-path discontinuities often results in design failures or overall system performance degradation and forces further design iterations and delay of design closure.

EM simulation increases the model accuracy for 3D interconnect structures like vias, solder bumps, bond wires, and edge connectors. Without accurate models, power- and signal-integrity simulations cannot close the analysis gap with a high degree of confidence. The EM effects of these structures are dominating performance results in systems operating at the gigahertz (GHz) frequencies common in

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today's high-speed SERDES, DDR2/DDR3, RF, and other high-frequency circuits.

These new capabilities are available immediately and add to the HyperLynx suite of fast, accurate, and easy-to-use products for signal-integrity, power-integrity, PCB thermal, EMI, and mixed signal (including analog) simulation. For more information on the new full-wave 3D analysis, go to www.mentor.com/go/hyperlynx3d and register for an educational webinar to be held March 10, 2010.

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New aPriori 2010 Product Release Introduces Turning & Mechanical Assembly Costing

3 February 2010

aPriori announced the immediate availability of its latest product release - aPriori 2010. This new release represents the largest undertaking in the company's history, featuring two entirely new costing modules and an extensive suite of new capabilities added to the core product.

Some of the key highlights of aPriori 2010 include:

Turning cost model – compliments existing milling / holmaking cost capabilities in aPriori's core Machining module by allowing customers to generate cost estimates for a wide variety of turned parts.

Mechanical Assembly cost model – extends aPriori's capability to cost welded assemblies by adding manual line and bench assembly operations; with this new capability, customers will be able to quickly calculate a complete assembled cost for their products.

Enhanced Plastic Mold cost model – extensively upgrades the existing injection molding cost model, and enables the product to support more advanced forms of plastics manufacturing, including: multi-shot injection molding, rotational molding, blow molding and insert molding.

SolidEdge CAD Support – provides support to cost parts and assemblies modeled in SolidEdge. This compliments aPriori's current support for Pro/ENGINEER, CATIA v5, Siemens NX, Inventor, Solidworks and STEP.

Simplified Creation of Virtual Factories

aPriori's [Virtual Production Environments](#) (VPE) are digital representations of manufacturing factories, and are at the heart of aPriori's Product Cost Management solution. In the last major product release this past summer, aPriori 7 first introduced the capability for customers to manage their own VPE data, and provided a capability to copy and create entirely new VPEs. This capability allows our customers to rapidly build entirely new factories to study the cost associated with manufacturing in LCCs, evaluate the impact of anticipated material cost fluctuations, understand the impact of labor rate increases and more. With the introduction of aPriori 2010, VPE management and customization features have been advanced even further.

For example, aPriori has streamlined the process for making or editing VPEs by enabling a customer to bulk add their new material list (both compositions and sheet sizes) and bulk import machine data. By streamlining and simplifying the process of creating new VPEs, customers will have more time to study a wider range of tradeoff decisions that will ultimately help them drive down product costs.

Enhanced Costing for Product Assemblies

Working in close cooperation with aPriori's growing list of Fortune 500 customers, a significant amount of time was invested for this release in advancing product assembly costing capabilities. In addition to

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the introduction of an entirely new Mechanical Assembly process cost model, the following new features have been implemented:

The Assembly Tracker – aPriori implemented a dashboard feature which allows users to view the cost status of an assembly and a summary of its costs. In addition to providing charts on the cost breakdown of the assembly, this tab shows a graphical status on the number of components cost, the completeness of the component costs, the types of costs (e.g., mfg. estimate, engineering estimate, carry over etc.), and the factories where the components are made.

Secondary Operations on Assemblies - aPriori has improved the ability to apply secondary operations on assemblies such as machining, painting or plating. By providing more expansive support for secondary operations, aPriori continues its commitment to its customers of helping them to achieve the most complete cost possible for the widest range of product types.

The capabilities above represent the highlights of this important product release. For more detailed information, please visit the aPriori 2010 product launch page on our corporate website for more details: http://www.apriori.com/apriori_2010_productlaunch.htm



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New Class of Enterprise Planning Solution from Planview Empowers Organizations to Optimize Business Performance

2 February 2010

Planview® announced a new class of enterprise planning solution that helps organizations improve productivity and operational performance within the constraints of today's economy – the 'new normal' which places a premium on a company's ability to successfully manage the growth of demand against a backdrop of ever-constrained resources.

The new Planview Operational Planning Solution is the first enterprise planning solution to integrate three vital planning processes – strategic planning, financial planning, and operational planning. In many organizations these three disciplines are disconnected, limiting organizational agility and management visibility into performance. In today's new normal environment, which demands companies respond to change more nimbly than ever in order to thrive, the traditional siloed approach to planning leads to expensive inefficiencies and operational disconnects that erode competitiveness and brand value.

The Planview Operational Planning Solution, available with the upcoming new release of Planview Enterprise®, allows organizations to create a dynamic and consistently relevant operating plan – one that is integrated with established financial and strategic processes and that allows for in-flight updates to accommodate changing business conditions. With a cohesive, responsive operating plan developed collaboratively, management can ensure that all levels of the enterprise can transform a unified strategy into effective action.

Combining new capabilities with Planview's portfolio management strengths, the Planview Operational Planning Solution reduces planning costs and increases accuracy by:

- Delivering an iterative and collaborative planning platform that engages all groups and functions within an organization
- Assessing demand among stakeholders and aligning it with strategy
- Balancing capacity with demand across multiple dimensions to make the most of existing resources and

to optimally meet business objectives

- Gaining deeper and more accurate insights into the financial implications of decisions and plan changes, and the implications of financial targets on departments and lines of business
- Dynamically defining how strategies, products, programs, projects, services, and releases all combine to achieve operating goals, and communicating those insights throughout the enterprise
- Using leading market intelligence and analysis to enable the Voice of the Customer to influence operational planning decisions

The new solution integrates with industry-leading Planview Enterprise Ideation Management to ensure that the operating plan aligns with an organization's key innovation initiatives.

Part of the Planview Enterprise portfolio management platform, the Planview Operational Planning Solution will be available with the next release of Planview Enterprise. To learn more, register for the upcoming Planview Product Expo at www.planview.com/getready, or contact market@planview.com.

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New Software Version Revolutionizes Modeling Processes

29 January 2010

[ITI](#) announced the release of the latest version of SimulationX, the software standard for physical modeling of mechatronics systems. Version 3.3 provides numerous functional enhancements and will be available with on demand software licensing for the first time. The palette of ready-to-use, real-time capable models and physical components was expanded by ten percent. Highlight of the new release is the first independent SimulationX Modelica Edition. The all-in-one installation package simplifies the installation process by installing all required program components via a single setup automatically according to the user's particular needs and profile.

SimulationX 3.3 is easily adjusted to the different profiles of users and is now available in two editions, SimulationX Professional Edition and SimulationX Modelica edition. With the Modelica edition, Modelica experts can now design and exchange individual models by using Modelica language inside SimulationX. Users benefit from the combination of user friendly simulation software with the flexibility and formalism of a true Modelica platform. Delivering this new edition to the market, ITI has responded to the growing demand for an open standard for exchanging models. Manufacturers, OEMs and service providers can now design, exchange and re-use simulation models.

The even more convenient program handling safeguards the overview of the complete model even during later changes and enhancements. Thanks to manually editable connections between model components and highlights in colors for dynamic visualizations, the user can immediately detect changes in the model. Quality of models and reliability of modeling results are increased while time for validation is reduced as, for instance, deviations from admissible values are observable at a glance. Another enhancement in ergonomics is achieved by additional views: The structure view and 3D model view are enhanced with additions of documentation and text view, enabling models to be changed and enhanced directly in the Modelica text format.

One of the highlights of the SimulationX Modelica Edition is the advanced graphic editor that allows the user to set up the most demanding graphics in a convenient way. The improved model explorer of the SimulationX StatechartDesigner displays the different states as well as the transitions between them.

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This significantly simplifies the navigation within complex state charts. The SimulationX 3.3 Professional Edition broadens the modeling scope with more than 20 new model types in the power transmission library e.g. for combustion engines, clutches, transmission elements, cam disc mechanism, and propellers. Many new functions and model types are also available in the libraries signal blocks, actuation, electronics, and magnetic. Thanks to new features in the 1D Mechanics all elastic elements such as springs and dampers can be switched to rigid. This allows the user to analyze the model's kinematic behavior in a more precise and effective way.

The use of SimulationX models in real-time platforms significantly expands the possibilities in design, prototyping and series launch of machines and plants. SimulationX 3.3 contains interfaces to the NI real-time testing and simulation platforms LabVIEW and NI VeriStand as well as new solvers with constant step size. This facilitates the test and optimization of the model's real-time capabilities without biasing the model itself.

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Online Tech and Campfire Interactive Sign Managed SaaS Hosting Agreement

2 February 2010

Online Tech, Michigan's largest managed data center operator, and Campfire Interactive, an Ann Arbor-based product lifecycle management (PLM) software firm, announced a partnership to deliver Campfire's PLM solution on managed servers in Online Tech's [SAS-70 certified data centers](#).

Pradeep Seneviratne, President of Campfire Interactive, said "we are clearly seeing the growing trend towards Software-as-a-Service (SaaS) running on [managed servers](#). Many of our customers are deploying our advanced [Product Lifecycle Management](#) tools but don't want to manage the servers and infrastructure. We selected Online Tech as our managed hosting partner to deliver our Software through a SaaS model for our clients. This allows us to operate as a tightly integrated team, and helps us focus on the business solution, and know that the underlying infrastructure will be reliable and cost-effective."

"Our relationship began by hosting Campfire's solution for a Fortune 50 company on our managed servers" said Mike Klein, President of Online Tech. "The customer needed to deploy Campfire's PLM solution quickly and they preferred a hosted solution with a simple monthly fee over the challenge of getting a new application approved and supported through their corporate IT department. The customer was deploying Campfire's solution for a mission critical business process - worldwide strategic planning and sales forecasting. This meant that the deployment had to meet all of the global enterprise-scale security and reliability concerns of a Fortune 50 company. We met all the customer requirements and helped them accelerate their time to market and minimize their long term support costs by delivering the software on managed servers."

Online Tech's SAS-70 certification smoothed the way to getting corporate approval for a managed hosting solution in Online Tech's data centers. SAS-70 is a nationally recognized audit standard for evaluating the process and security control procedures across the data center that is required by Sarbanes-Oxley. The SAS-70 designation demonstrates that the data center has the proper controls and procedures around physical and network security, environmental controls, system availability and performance and those controls have been followed consistently over time.

Following the successful first deployment, other Campfire customers have already taken advantage of this partnership to utilize Online Tech's services. Based on these multiple customer success, Campfire and Online Tech have decided to formalize their partnership and offer the solution to Campfire's entire

customer base.

As part of the agreement, Campfire's customers can host their PLM software on Online Tech's managed servers located in their world-class [Michigan data centers](#) for a fraction of the cost of maintaining a full-fledged data center. This helps Campfire Interactive deliver its offerings across a broad range of vertical markets including Automotive, Chemical, Electronics and Semiconductors, and across a wide range of geographies. In addition, Campfire can now offer the convenience of hosting custom solutions for those clients who have unique needs.

About Campfire Interactive

Campfire Interactive, Inc (www.cfi2.com) specializes in easy-to-use, enterprise class Product Lifecycle Management (PLM) software. Solutions offered by Campfire include sales forecasting, cost and price estimation, change cost management, engineering change management and project portfolio management. Campfire's solutions span across financial, engineering, quality and timing information are used by thousands of users in medium-size, to Fortune 500 companies to identify, plan and develop their product portfolios.

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Performix Joins OSIsoft Partner Program

20 January 2010

Performix Inc., the provider of manufacturing execution, recipe management, and batch solutions for the chemical, consumer products, food and beverage, and pharmaceutical industries, announced a partnership with OSIsoft, provider of the PI System, the industry standard enterprise infrastructure for management of time-series data and events. Integration of the Performix xMES® solution with the PI System can provide manufacturers with a turn-key solution to capture electronic batch records while providing enterprise wide visibility into batch data and events through the PI System.

“Given the already complex nature of the manufacturing landscape we were interested in defining an architecture that would require less but provide more,” said Keith Carey, Manufacturing Operations Automation Manager at Dow Corning. “The combination of the Performix xMES solution and the PI System further extends our next generation manufacturing architecture to support electronic work instructions, data capture and retrieval by providing enterprise level batch record availability for quality and production performance reporting.”

Bringing together the flexibility and efficiency of the Performix xMES solution with the scalability and security of the PI System gives manufacturers the ability to more easily track and trace raw materials through finished goods and leverage the PI historian to store electronic batch records in S88 format. In addition, this integration enables storage and access to recipe and order execution data as part of CFR21 part 11 compliant manufacturing initiatives.

“OSIsoft customers are looking for solutions that can enable them to aggregate and analyze performance data on critical batch processes and have more eyes on this data through the PI system,” said Bernard Morneau, President of OSIsoft. “We are pleased that Performix has chosen to work with the PI System to provide this needed solution, and we welcome them as a valued OSIsoft Partner.”

“As part of comprehensive quality and traceability initiatives, manufacturers want more choice in how they capture, standardize and store critical data from the manufacturing process,” said Sham Afzalpurkar, President and Chief Executive Officer of Performix. “By marrying the Performix xMES

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solution with the SAP and PI Systems, manufacturers not only have the flexibility in how they choose to capture and where they choose to store their batch records but also can rest assured that the critical process data will be secure.”

About Performix

Performix, Inc. is a next generation manufacturing execution system (MES) software company based in Houston, Texas founded with a charter to develop state-of-the-art solutions and products for the batch process manufacturing industry. The Company’s suite of composite software applications, Performix xMES®, fills the gaps within enterprise systems and completes the MES solution by leveraging existing SAP solutions and manufacturing system infrastructure. Performix offers products for the chemical and pharmaceutical manufacturing industry verticals. For more information, please visit www.performixinc.com.

About OSISOFT

OSISOFT (<http://www.osisoft.com>) delivers the PI System, the industry standard in enterprise infrastructure, for management of real-time data and events. With installations in 107 countries spanning the globe, the OSISOFT PI System is used in manufacturing, energy, utilities, life sciences, data centers, facilities, and the process industries. This global installed base relies upon the OSISOFT PI System to safeguard data and deliver enterprise-wide visibility into operational, manufacturing and business data. The PI System enables users to manage assets, mitigate risks, comply with regulations, improve processes, drive innovation, make business decisions in real time, and to identify competitive business and market opportunities.

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Razorleaf Corp. Announces the Release of CADFIT File Inspection Tool; Free Utility Extracts Data From Solidworks Files and Highlights Problems

1 February 2010

[Razorleaf Corp.](#) announced the release of [CADFIT](#), a free utility that organizations using SolidWorks computer-aided design (CAD) software can use to discover problems with the integrity of their relational data. Once the tool is run and the raw data is uploaded to Razorleaf, a free summary report is generated and provided to customers as feedback on the quality of their surveyed data. Reports indicate missing child file references and duplicate file information. A more detailed report is available for an additional fee.

CADFIT offers engineers an easy way to assess the quality of their CAD data and to target repairs to their data set. Here's how it works: [CADFIT](#) gathers basic information about all the files in the target directories such as file type, size, creation date, last modification date, etc. Additional detailed information is extracted from SolidWorks file types, such as custom properties, the version of SolidWorks in use when the file was last saved, and most importantly, external file references.

The capabilities of CADFIT are particularly useful to those preparing for a PDM data load. By quantifying the scale of existing problems with the quality of CAD data, CADFIT can help justify the need for, and use of, better CAD data management processes and tools.

"What an eye opener," said James Perron, systems administrator at OYSTAR Packaging Technologies. "CADFIT showed us how bad our networks really were. We had no idea of the thousands of duplicate and missing files in our system. We actually thought we were handling the data well. Employees make

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duplicate files and put them on hard drives, move files around on the network. Without a tool like CADFIT, how would you know?"

About Razorleaf Corporation

Razorleaf is a services provider that helps companies become market leaders through the measured application of technology and best practices to existing business processes. Razorleaf specializes in process analysis, implementation, training and support of enterprise technologies including [Design Automation \(DA\)](#), [Enterprise Portal \(SharePoint\)](#), [Product Data Management/Technical Data Management \(PDM/TDM\)](#), and [Product Lifecycle Management \(PLM\)](#) solutions.

With over 100 active customers and more than 200 implementations, Razorleaf offers expertise in leading software from Actify, Aras, Autodesk, Dassault Systemes, [DriveWorks](#), Microsoft, [ShareVis](#), SolidWorks, and [Tacton](#).

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Sescoi's WorkPLAN Enterprise ERP Software Achieves Certified Integration with SAP® Applications

1 February 2010

Sescoi International SAS announced that version 3 of its WorkPLAN Enterprise ERP solution for project-based manufacturing has achieved certified integration with SAP® applications. The certification is also valid for the MyWorkPLAN V3 job management software solution, which is technically identical to WorkPLAN Enterprise V3. Through this certified integration with SAP solutions, SESCOI will provide customers with the ability to exchange data between the WorkPLAN Enterprise ERP or MyWorkPLAN job management systems and SAP applications. Companies will then be able to benefit from the specialized manufacturing and project-management tools built into SESCOI's software, which are geared towards maximizing productivity and efficiency.

The SAP Integration and Certification Center (SAP ICC) has certified that WorkPLAN Enterprise V3 (and implicitly MyWorkPLAN V3, which technically uses the same SAP interface) integrates with the SAP ERP application via the integration scenario for plant data collection for shop-floor controls (PP-PDC 4.6).

WorkPLAN Enterprise and MyWorkPLAN can receive jobs or task lists from SAP ERP, detailing parts and quantities of components to be produced. The software then manages the manufacturing process, including the production planning and scheduling, production performance monitoring, and recording the time spent on each task by each employee or machine in real time, using touch screens, bar-code readers or data-entry forms. Project-based departments or companies, who will particularly benefit from WorkPLAN Enterprise, will be able to manage the complete lifecycle of their products in the software, including a history of engineering changes, quality compliance, and the resources used.

As production proceeds, data can be fed back into the SAP solution in the form of time taken, events completed and parts produced. Detail such as set-up times, processing times, teardown times, quantities completed, reworked or scrapped can be included in the information flow. Real-time recording of this information in WorkPLAN Enterprise helps keep the SAP solution-based system up to date, producing a dynamic exchange of data and safeguards the business information, so when it's presented to managers, it reflects the true and current status of manufacture.

Global and midsized companies using SAP solutions will benefit from this new integration, which will

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enable them to optimize the performance of specialized areas within their organizations, such as engineering departments or manufacturing units of molds, dies or prototypes. Specifically, they'll benefit from the specialist manufacturing management expertise built into WorkPLAN Enterprise and MyWorkPLAN.

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SolidWorks PhotoView 360 and Luxology's modo 401 Open New Doors for Mechanical Engineering Designers

1 February 2010

Industrial designers are achieving photorealistic imaging results from designs modeled in Solidworks 2010 and visualized in Solidworks PhotoView 360 and Luxology's modo software. PhotoView 360, which is bundled with the SolidWorks Premium and Professional 2010 editions, offers ease of use for rapid design visualization while modo offers maximum control over design visualization parameters with advanced features like animation.

SolidWorks users Stuart Brown and Paul McCrorey have recently tapped the capabilities of both PhotoView 360 and modo 401 to improve the quality of client presentations.

Based in Dorset, England, Stuart Brown is the owner of 3D Engineers, a specialty design firm that applies computer visualization tools to the process of classic car restoration. Stuart's work straddles the worlds of mechanical engineering and design, and he was enthusiastic about how the rendering features of PhotoView 360 enhanced his SolidWorks experience.

Recently, a client who wanted a custom car asked Stuart to create a virtual wooden render of a buck, which is a wooden rig used to help make automobile bodies. After using Solidworks 2010 and PhotoView 360 to realize the buck and then modo 401 for final visualization, Stuart says, "The results showed an incredible visual performance increase, to the extent that I am often asked whether the picture I am showing a client is real or computer-generated."

Paul McCrorey, also a designer and mechanical engineer, is based in Louisville, Ky., where he runs McCrorey Digital. He recently concluded a project using SolidWorks 2010, PhotoView 360 and modo 401 to create realistic images plus an animation of a unique Merlexi Chair wheelchair design. Like Stuart, Paul is very pleased with how this new generation of visualization tools has extended his SolidWorks modeling and design capacity.

"I was surprised by PhotoView 360's extreme ease of use, coupled with the outstanding output quality," Paul says. "It has helped me save both time and money, by allowing me to get very high quality images in a short time."

Later importing his model into modo 401 for finishing, Paul says modo's range of control was much greater than he expected: "For texturing, I used UV mapping to establish the fabric pattern on the back seat of the wheelchair. Displacement mapping was used to generate the treads on the tire. With the rich visualization and animation toolset provided in modo, the possibilities are truly endless. Features like morph maps and vertex weight maps were new to me but proved critical for realistic cloth movement. I used the constraint tools to precisely define the wheelchair's folding action. Finally, the gradient editor provided extreme flexibility in timing of the animation."

Another recent project of McCrorey's led to a computer graphics modeling contract after the final image was posted publicly.

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“As a result of my image of the ‘AMC module’ appearing on the Luxology image gallery, I landed a contract providing CG modeling assets for a short film directed and produced by Marc Leidy from Lightdog Films,” McCrorey says. “Using my engineering background and artistic capabilities, we are working together to interpret artistic conceptual drawings and model them in SolidWorks and modo.”

About Luxology

Based in Mountain View, Calif., Luxology® LLC is an independent technology company developing next-generation 3D content creation software that enhances productivity via artist-friendly tools powered by a modern underlying architecture called Nexus®. Luxology was founded in 2002 by Allen Hastings, Stuart Ferguson and Brad Peebler. More information on the company, its licensable Nexus technology, its flagship product modo®, and a gallery of artists’ images from the active modo community is available online at www.luxology.com

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SYSTIME and Oracle Unveil Oracle’s Application Integration Architecture Process Integration Packs for Oracle’s Agile Product Lifecycle Management and Oracle’s JD Edwards EnterpriseOne

2 February 2010

News Facts

Further extending the value that Oracle Applications deliver to customers, SYSTIME and Oracle announced availability of an Oracle Application Integration Architecture (AIA) solution that connects Oracle’s Agile Product Lifecycle Management (PLM) and Oracle’s JD Edwards EnterpriseOne.

The PLM Process Integration Pack enables rapid implementations of Oracle’s Agile PLM processes integrated to JD Edwards EnterpriseOne ERP. This integration helps JD Edwards customers reduce the cost and risk associated with typical third-party and custom PLM integrations.

Developed in collaboration between Oracle and SYSTIME, the new integration is part of Oracle AIA, a comprehensive solution that delivers integrated business processes across Oracle, third party and custom applications.

Since the launch of Oracle’s AIA program, Oracle continues to see strong momentum across its partner ecosystem, with Systems Integrator (SI) partners, such as SYSTIME, making significant investments in strategic co-development efforts.

These co-development efforts enable Oracle partners to obtain technical strength and insight for Oracle AIA through training, development participation and validation programs; and increased revenue opportunities with differentiated, low cost, fast pace and sustainable service offerings. Additionally Oracle is able to rapidly expand the number of AIA integrations available.

SYSTIME is currently a Platinum Partner in the Oracle PartnerNetwork.

Pre-Integrated Offering Delivers Value

Oracle AIA provides a pre-built integration between Agile PLM and JD Edwards EnterpriseOne to improve organizational transparency and streamline product innovation through better design making, accelerated manufacturing and an expedited time to market. Through this integration, customers benefit from:

- **Pre-defined PLM transfer templates:** Predefined templates for design release of

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new product definition and product launch, as well as change management of previously launched products.

- **Bi-directional data exchange:** Synchronization of engineering change status and material attribute information between manufacturing and PLM enables higher innovation efficiency.
- **Error-handling and notification framework.** The integration pack provides multiple layers of validation to ensure data exchanges are complete and properly formatted. All business rules within JD Edwards EnterpriseOne are also validated for every transaction. Exception handling ensures that unsuccessful transactions are rolled-back and email notifications are sent.
- **End-to-end Process monitoring.** Tracking and monitoring of the change process queue minimizes data exchange latency and ensures effective process completion.

Supporting Quote

“Working in close collaboration with dedicated partners like SYSTIME, we continue to leverage Oracle Application Integration Architecture (AIA) to extend the value of our customers’ investments,” said Oracle Group Vice President, JD Edwards, Lyle Ekdahl. “We appreciate SYSTIME for stepping up and embracing the early adoption of the AIA from a JD Edwards perspective. We chose SYSTIME due to their industry strength and specialization in Oracle’s enterprise suite of applications. The co-development of this integration will give JD Edwards EnterpriseOne customers new tools to drive product innovation and can also make the full design-to-release process more effective and efficient.”

“We, here at SYSTIME are pleased that we had the opportunity to work with Oracle to develop this integration; the value of this integration product to customers is enormous, with great opportunities to streamline functional and technical work in product management, engineering and manufacturing. We also remove the ad hoc, point-to-point interfaces that existed in the past with a broader, more systematic, well supported mechanism that should support customer requirements very well for many years to come,” Ramesh Subramanian, Vice President of Global Services of SYSTIME.

“It has been an honor for SYSTIME to work with Oracle to develop an integration between JD Edwards and Agile. SYSTIME’s acclaimed specialization in JD Edwards and Oracle’s Agile PLM tied in with many years of experience in Oracle solutions is the quintessential package for customers to accelerate time to market and optimize profitability,” says Vishal Grover, President and CEO of SYSTIME.

Supporting Resources

[Oracle Partners Embrace Oracle Application Integration Architecture](#)

[Oracle AIA for Partners](#)

[Process Integration Packs](#)

[Oracle’s Agile PLM Blog](#)

[Oracle’s Agile PLM Twitter Feed](#)

[Oracle Continues to Deliver End-to-End Business Process Integration on Oracle Application Integration Architecture](#)

[Oracle PartnerNetwork](#)

[SYSTIME](#)

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Tekla Announces Latest Version of Tekla Structures

1 February 2010

Tekla has launched its annual main version of Tekla Structures BIM software. The new Tekla Structures 16 introduces several workflow benefits, such as an improved solution for cast-in-place concrete and better IFC data exchange.

[Tekla Structures BIM \(Building Information Modeling\) software](#) is developed according to a long-term plan of improved user experience, process, and functionality. This provides the whole building design and construction project team a model-based way of collaboration, including possibilities for increased business, productivity, and sustainability.

Many new features improve the users' workflow, such as an improved solution for [cast-in-place concrete design and detailing](#), better IFC data exchange, better utilization of reference models, improved numbering and model publishing tools, such as a free application to share the model over the Internet. New features include improved usability by snapping tools and by zooming to selected parts, an updated Master Drawing Catalog, better object-level settings, and new filtering and instant graphics on drawings.

In addition, Tekla provides a more efficient online delivery of new software versions. The Tekla Structures 16 installation has been built according to Microsoft's requirements for the Windows 7 certification.

"With this new version it is very important for us to introduce a BIM process that is based on the detailed building information model. Tekla Structures 16 includes a newly developed offering for cast-in-place concrete design and detailing, especially for Self-Performing Cast-in-Place contractors," says Tekla Executive Vice President Risto Rätty. "Moving towards a greener installation is a small step forward but still part of the bigger sustainability benefits that implementing BIM can bring to construction."

More information on Tekla Structures 16 with online videos and tutorials is available at www.teklastructures.com

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