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Acquisitions

Autodesk Acquires Assets From BOSS International, Inc.

26 August 2009

[Autodesk](#), Inc. has announced the acquisition of certain assets from BOSS International, Inc. to further expand its water resources analysis capabilities for the architecture, engineering and construction (AEC) industry. StormNET for stormwater management analysis, RiverCAD for floodplain analysis, and WaterNET for water distribution analysis will be more closely integrated with Autodesk's model-based design solutions, including [AutoCAD Civil 3D](#), to help engineers streamline workflows, reduce errors and boost productivity. Terms of the transaction were not disclosed.

The environmental engineering and water/wastewater utility markets have recently experienced an uptick due in large part to economic stimulus spending. The acquisition of these products aligns with Autodesk's mission to consistently extend value to its customers and satisfy industry demand. Adding valuable expertise and industry knowledge, Chris Maeder, former president and CEO of BOSS International, will join Autodesk as an industry solutions manager for the environmental engineering industry.

"The addition of BOSS International's water, sewer, and stormwater analysis technology to the Autodesk portfolio supports Autodesk's commitment to extend the value of our model-based design solutions for conducting simulation and analysis of design performance before projects are built," said Jim Lynch, vice president of marketing for AEC solutions at Autodesk. "This is particularly important for sustainable design when engineers need to evaluate the impact of various stormwater management approaches - including rain gardens, bioretention and green roofs - to identify those with minimal environmental impact."

"This acquisition is exciting news. I am a long time user of Civil 3D and BOSS International's StormNET and RiverCAD. The integration of the two is a striking example of Autodesk's continued commitment to the maturation, improvement and evolution of civil engineering proficiency," said Robert Gill, senior project manager at Menlo Engineering Associates. "The civil engineering community will receive a tremendous lift by Autodesk and BOSS International aligning these technologies to further facilitate the design process, reduce the time required to complete projects and improve the quality of deliverables to the client."

At this time, product support and distribution of new product licenses for the StormNET, RiverCAD and WaterNet software products will only be provided by [BOSS Computec](#), a former subsidiary of BOSS

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International. Product integration details will be announced at a later date.

Business Outlook

This transaction is expected to have no impact on previously issued guidance.

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ModuleWorks Acquires HeilTech Simulation Company

27 August 2009

ModuleWorks has consolidated its position in the simulation component market with the acquisition of HeilTech.

HeilTech were formed in 2004 by Dr. Matthias Heil. Their HSVerify product is known for its fast performance when simulating large toolpaths for 3-5-Axis applications. HeilTech's HSVerify product has licensees in the machine tool and CAM industry that will now have the benefit of expanded technology and development effort.

ModuleWorks Managing Director, Yavuz Murtezaoglu says, "There is a long history of high academic achievement in Germany and a wealth of practical engineering knowledge. Heiltech is one of those companies that successfully apply academic excellence to real-world engineering problems to achieve remarkable results. Now as part of ModuleWorks, we will be able to make this technology available to customers worldwide."

Matthias Heil of HeilTech, is delighted to be joining the ModuleWorks team, "After more than 10 years of research and another 12 years developing simulation and verification technology in the commercial world, it is great to be joining a company that really is on the cutting edge of technology. I look forward to bringing all the latest developments from HeilTech into the ModuleWorks product family and I am convinced this will help ModuleWorks Simulation become the new standard."

For more information, please visit <http://www.ModuleWorks.com> or <http://www.HeilTech.de>.

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CIMdata News

"PLM Expands into Factory Automation" by Ed Miller, President of CIMdata

26 August 2009

Product Lifecycle Management (PLM) once focused almost exclusively on engineering design but now includes many other disciplines such as product planning, quality engineering, customer service and maintenance. One particular expansion of PLM strategies has been a push to become more closely integrated with factory automation systems such as MES (Manufacturing Execution Systems) and PLCs (Programmable Logic Controllers).

This migration of PLM onto the shop floor provides an opportunity to share and leverage product-related information from both environments, enabling manufacturing information to be incorporated earlier into product development, while knowledge of production-related issues flows more readily back into the product design process.

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Major initiatives are underway to expand PLM with digital manufacturing for developing production processes and simulating factory-floor workflow. Similarly, PLM has long been involved with NC programming for individual machine tools. Integrating PLM and factory automation takes this whole evolution a step further to control of entire workcells on the shop floor.

The expansion of PLM into factory automation provides a major point of integration between the traditional arena of PLM and the production planning arena of enterprise resource planning (ERP). Indeed, factory automation and product structure definition are areas of heavy overlap between PLM and ERP. Integration provides the opportunity to share and leverage key product-related information from both environments, and it offers excellent opportunities to better integrate the entire manufacturing enterprise.

Serious moves forward

Both ERP and PLM suppliers have an opportunity to seriously move toward meeting this need. In fact, more emphasis on this area can be seen from major ERP suppliers with more substantive programs for ERP-MES integration. Clearly, there also will be a significant impact on suppliers of factory automation solutions as well as PLM suppliers.

The availability of more integrated PLM-factory automation capabilities should raise the competitive pressure on traditional suppliers of factory automation solutions and increase industry attention on such solutions. Movement of the PLM market toward greater integration with production systems will undoubtedly impact the competitive landscape for suppliers of broad-based comprehensive PLM solutions as well as suppliers of more limited-scope offerings.

Commercial availability of integrated PLM-factory automation solutions notwithstanding, companies must absolutely find ways to justify and fund these investments - especially in today's economic slump. Organizations wanting to take advantage of the value offered by broad PLM solutions integrated with factory automation must raise the level of the investment discussions to include the full executive team—including managers on the VP level as well as CEOs, CIOs, and CTOs—and consider these investments as critical enterprise-wide initiatives. Integration with factory automation ensures manufacturing's key role in PLM strategies, and significantly enhances the overall business value of these solutions as design, manufacturing, and information management are more fully integrated.

The expanding scope of an integrated PLM and factory automation vision and strategy requires re-thinking and solid effort to be effective. The potential business value is too significant to ignore, however, and forward-thinking companies will be leading this movement as PLM's footprint takes a big step onto the factory floor.

Significant technical challenges and organizational barriers notwithstanding, early adopters that put in the time and effort into integrating PLM and factory automation have a tremendous opportunity to highly differentiate themselves on an otherwise level playing field and emerge as clear business winners in the coming years.

This article also appeared in [Manufacturing Business Technology](#).

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Please Let Us Know Your Opinions on New Product Success Factors and Priorities for New Product Design

28 August 2009

If you haven't shared your experience in our latest poll on new product success factors and priorities for new product design, please do so [now](#) because we will close voting next week and publish the results.. Your input is valuable and takes only seconds. The results of these polls are tabulated as you vote. The results are completely anonymous.

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Company News

ASCON Counts Real Cost of CAD Software Solution; What are we really paying for when buying low-cost MCAD?

24 August 2009

Nowadays one can purchase CAD at low price, but in reality, instead of promised benefits, users get a lot of additional costs and limitations. Let's try to understand what we really get for small amounts, which we can see in different ads:

reduced functionality (also and in basic areas) with using of old developments

It is impossible to develop really up-to-date, professional and powerful solution without making an investments, but when price for software is as low there are no need and resources for vendor to spend money on R&D;

additional costs for update and maintenance, as well as very high prices for training and support

When price for the solution not defray expenses for its development, vendors begin to compensate it with overrated prices for different services, which they put at user's disposal. Calculate all these extra-costs and you will get several thousand USD per year;

- no support or maintenance

Small mistake in design of the product can turn out to be million USD losses at the stage of production or even worse sales. Without stable and reliable software such errors happens much more often and no vendor will be responsible for it;

time and territory limitations

All of this "special" offers for CAD systems have tight regional restrictions, some of them also will support customer with a time-limited, water-marked, non-commercial user version of their CAD software;

This and many others will face user who at a glance selects bargain. ASCON don't promise its customers MCAD software for a very low price with lots of limitations, but our KOMPAS solutions already includes maintenance and support, free trainings, modern, powerful and professional functionality for a reasonable money, as a good deal in terms of quality and value.

Contact ASCON to learn more at contact@ascon.net

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Cadence Design Systems Appoints John Bruggeman as Chief Marketing Officer

27 August 2009

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[Cadence Design Systems, Inc.](#) announced the appointment of John Bruggeman as senior vice president and chief marketing officer. He reports directly to Cadence president and chief executive officer Lip-Bu Tan.

Bruggeman most recently served as chief marketing officer at Wind River Systems, Inc., where he was responsible for the company's corporate strategy, global marketing, strategic alliances, and vertical business functions. Before joining Wind River he was vice president of marketing at Mercury Interactive, where he directed the planning and execution of the company's corporate and field marketing initiatives. Bruggeman has also held senior executive marketing positions at America Online, Netscape, and Octel Communications.

Bruggeman holds a Bachelor of Science degree in statistics and computer science from San Jose State University and a Master of Science degree in mathematics from the University of Connecticut.

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COADE Releases Updated CADWorx Plant Professional Training DVD

28 August 2009

COADE announced the release of an updated video training course on DVD that contains the complete five-day, in-class training course plus bonus material on using, customizing and mastering CADWorx Plant Professional software. Course contents include advanced 3D piping and plant modeling; piping, equipment and steelwork modeling; piping specifications; bills of materials; ISOGEN, exporting to COADE CAESAR II and PV Elite for analysis and much more.

The DVD allows self-paced training for piping and plant designers who are new to CADWorx Plant Professional as well as experienced designers who want to employ best practices to improve efficiency and increase productivity. Information on the CADWorx Plant Professional video training DVD is at <http://www.coade.com/CADWorx/CADWorx-Plant-Video-Training.shtml>. Information on COADE and its products can be found at <http://www.coade.com>.

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ESI Expands Its Worldwide Training Services with a New Training Center in Italy

25 August 2009

[ESI Group](#) announced the opening of its new training center in Bologna, Italy - where ESI Italia is located, in the northern part of the country. The 2009 Italian schedule has thus been added to the training catalogue available online at: <http://www.esi-group.com/services/training>.

The expansion of [ESI training](#) services in Southern Europe confirms the company's commitment to provide world-class training courses, designed and taught by expert consulting and support engineers, offering flexible agendas, duration, and location. Indeed, hundreds of professional training courses are offered by [ESI](#) subsidiaries worldwide, spanning 12 countries and four continents to provide understanding, basic or advanced knowledge about ESI's solutions to support companies' needs for performance and innovation.

With over thirty-five years of expertise in software application training, ESI's offering encompasses classroom, client-site and distance learning to allow companies shorten their time-to-market thanks to End-to-End Virtual Prototyping solutions. Combining lectures, question and answer with the instructor

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with demos and hands-on sessions, ESI software training courses are one of the best ways for participants to acquire a good understanding of all features and capabilities of the software for immediate application. The class sizes are kept small to ensure that customers have adequate attention and time is set aside to work on their particular problems. Participants are also often asked to send their own cases in advance.

What our customers say about our training courses worldwide:

“Our unique application of PAM-STAMP 2G in a research environment for the aerospace sector requires both rapid and tailored support,” said Dr. **Alan Leacock**, Advanced Metal Forming Research (AMFoR) Group. *“The ESI team has provided structured courses tailored to meet our specific research needs and an exceptional level of support essential to our developing needs.”*

Mr. **Pundan Kumar Singh** at Renault-Nissan stated that *“PAM-CRASH training with ESI was quite exemplary and builds a strong foundation for a career in CAE.”*

“I am practicing PAM-CRASH also with models sample files. It is quite easy after our last interaction. I have also started reading the help based on contacts and materials. I am discovering new things. My PAM-CRASH training was the most wonderful interaction I had in the last few years. I again thank you for that,” added Mr. **Pundan Kumar Singh**, Renault-Nissan.

“The Pedestrian Impactors training course was based on IKCO demands and a planning of the course was arranged based on our discussion, all the contents were successfully presented according our requirements, the training was efficient,” said Mr. **Majid Varedi**, Iran Khodro Industrial Group, Iran.

Read more customer testimonials and find out more about ESI training offering at: <http://www.esi-group.com/services/training> For any further information, please contact training@esi-group.com.

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ESPRIT CAM Center Opens for Business

20 August 2009

To best serve the needs of customers, management for CIM Integraters — a reseller for computer-aided-manufacturing (CAM) innovator [DP Technology](#), maker of ESPRIT® — has closed the business in order to redirect their passions to a new company called ESPRIT CAM Center.

ESPRIT CAM Center, a division of Manufacturing Recruiters, Inc., and a certified DP Technology ESPRIT CAM Center, will utilize the individual strengths that made CIM a success for more than two decades.

“We are confident that the transition will be smooth and seamless for our customers,” said Rick Rauh, who, as president of ESPRIT CAM Center, will be both managing operations and overseeing sales. He is former director of sales and marketing for CIM Integraters.

CIM’s tradition of excellent customer service will carry on at ESPRIT CAM Center, which, like CIM, will be the region’s (Arkansas, Kansas, Missouri, Oklahoma and Texas) carrier of ESPRIT and related services.

“CIM Integraters laid a foundation based on providing exceptional technical support and manufacturing know-how that CIM customers have leveraged to build their businesses for over 20 years,” said Randy Rauh, a member of the team at ESPRIT CAM Center and former president of CIM Integraters.

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“The new ESPRIT CAM Center will take that tradition and chart a new course that will help customers meet the manufacturing challenges that lay ahead.”

Ready to take on new challenges, Randy Rauh views the change as a chance for him to delve more deeply into the technical aspects of ESPRIT — an activity that he deeply enjoys. Rauh will continue to develop ESPRIT tutorials, build post processors, provide on-site consultations and conduct customer training courses.

Likewise, Rick Rauh is more than ready to focus fully on his own areas of interest —a move that he believes will translate to even better success for customers.

“This will allow ESPRIT CAM Center to get the most out of the technical skills that CIM’s employees possess, and they will no longer be spending time working in areas that are not their passions,” Rick Rauh said. “I have been in management for many years and managing a company has always been natural for me. It was always more natural for Randy to be working on the technical end of ESPRIT. This will allow both of us to work in areas where we can use our strengths.”

The new office can be found at 202 S. Cedar, Suite D, Owasso, Okla., 74055, and can be reached by phone at (918) 272-3355, or toll-free at (877) 491-5544. For more information, or to contact ESPRIT CAM Center by e-mail, visit <http://www.eccmri.com>.

About ESPRIT CAM Center

ESPRIT CAM Center, a division of Manufacturing Recruiters, Inc., is a member of the ESPRIT CAM Center Program, a certification earned by leading ESPRIT resellers who have proven to provide the highest level of commitment to ESPRIT customers. This program identifies those leading resellers who have demonstrated success with their customers and provides new customers with a recognizable authorized source for ESPRIT software and service.

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500+ Companies Confirm 3D Product Catalogs Mission Critical

25 August 2009

PARTsolutions, LLC released a new **industry survey** that provides a clear view into the importance of CAD-native 3D product catalogs to design engineers for product selection. Compiled by polling more than 500 companies -- including 3M, Lockheed Martin, Ford Motor Company, Goodrich, Cessna Aircraft Company and Bose Corporation -- the data reveals that supplying catalogs in paper, PDF or neutral file formats is no longer adequate, with 85% of design engineers preferring part downloads in their CAD-native format.

CAD-native 3D product catalogs are rapidly becoming a critical business component for manufacturers and necessary to get their products selected, designed in and purchased, with 80% of design engineers indicating that multiple units will be purchased for production once downloaded.

- 85% of design engineers prefer part downloads in their native CAD format.
- 87% of design engineers want to configure the exact part they are specifying.

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- 85% of downloaded parts get purchased.
- 80% of downloaded parts are purchased for prototypes and for multiple units in production.
- 73% of design engineers will choose one vendor over another because they provide CAD data.

These findings are consistent with feedback gathered by **PHD Inc.** over a period of more than ten years. PHD was one of the first companies to web enable its product line of premium automation products including cylinders, clamps, escapements, grippers, slides, rotary actuators, proximity sensors and switches. Eliminating the time-intensive process of creating, migrating and translating catalog content has saved the company enormous resources. As a build-to-order business that offers more than 450 million product combinations, 3D product catalogs have been instrumental in establishing quick delivery as PHD's primary competitive advantage. The technology has also resulted in 35 times more sales leads by allowing PHD to track who is accessing designs and proactively deliver sales and support information to its customers. [Click here](#) to see PHD's PARTsolutions 3D product catalog in action.

Reid Supply Company has had a similar response from its customers. Earlier this month, the global industrial distribution company launched [ReidSupply.com](#), an updated e-commerce website designed as a result of direct response to feedback from its customers. The feedback indicated a need for more web images and an improved data search experience. As a result, the Reid web services team utilized all of their print catalog's images as well as their **CAD drawings**, which includes over 90% of every part in their catalog. They also employed a new search engine that shows customers their products faster and much more accurately. Reid has one of the largest FREE CAD databases in the industrial supply industry, the Reid digital library is already receiving more than 22,000 CAD downloads per month and is helping Reid Supply to further customer service and satisfaction. [Click here](#) to see Reid Supply's PARTsolutions 3D product catalog in action.

"In today's competitive business environment, customers are demanding an endless array of configurable and custom products," said Rob Zesch, president of PARTsolutions. "Supplying catalogs in paper, PDF or neutral file formats is no longer sufficient to get on the preferred supplier list. Rather, enabling customers to download the 3D CAD-native parts directly into their designs has become mission critical."

PARTsolutions' **PARTcatalog** product enables companies to host their configurable product catalog online, making it easier for customers and prospects to "Design In" products to their designs, while business intelligence tools generate valuable sales leads and marketing. For more information, visit: www.partsolutions.com.

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Planview Releases Product Development Market Benchmark Study Results

27 August 2009

Planview® released findings from its Product Portfolio Management Benchmark Study, which analyzes the pain points, process maturity, and opportunities for product development organizations. More than 400 participants, representing a diverse cross-section of industry sectors, took part in the survey, which was managed by independent research firms.

The survey found product development organizations struggle with having too many projects for their

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resources, setting achievable delivery dates, and missing critical market windows. Only 11 percent of respondents said their organizations constantly monitor and kill underperforming projects, and almost 40 percent said their projected delivery dates were highly or mostly inaccurate.

Many respondents reported that they make do with technology tools that were not designed for product portfolio management; this reduces product managers' strategic view by forcing them to spend more time on data collection and less on data analysis, which in turn leaves less time to evaluate entry into new markets.

To overcome against these and other reported challenges, recommendations arising from this report suggest that product-centric organizations should:

- Understand the real cost of data collection using "piecemeal" tools, by evaluating the number of disparate solutions being used across the organization for data collection
- Take time to understand the big picture, and determine the revenue impact of missing time-to-market targets and critical market windows
- Gain executive buy-in for improving product portfolio management practices by sharing key issues with management about the product portfolio, such as critical risk factors and resource capacity challenges, against which current practices do not mitigate

"The product pipeline is the lifeblood of most organizations, and it is clear that the process of optimizing time-to-market against constrained resources continues to be a core business challenge for product development teams," said Patrick Tickle, Planview executive vice president of products. "This is why the Planview solution for product development was built from the ground up to help better balance resources with demand, drive more predictable delivery dates, understand the true costs of development, and ultimately bring the most competitive product portfolio to market."

The Planview Product Portfolio Management Benchmark Study is available at <http://www.planview.com/ProdDevSurvey>. For more information, email ProductPPM@planview.com.

Survey Methodology

To ensure impartial results, the 2009 State of the Product Portfolio Management benchmark study was conducted by OpenSky Research, an independent third party research firm. More than 400 participants, representing a diverse cross section of manufacturing segments and industry sectors, took part in the online survey managed by Appleseed Partners and OpenSky Research. Survey data was then provided to Planview for analysis and subsequent publication, with support from Appleseed Partners and peer reviewers.

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Zuken Expands CADSTAR Network in Italy and Spain

25 August 2009

Zuken is continuing to extend the distribution network for their modular EDA solution [CADSTAR](#), with an important new Value Added Reseller (VAR) in Italy and Spain. An agreement has just been signed with Elco Engineering to provide sales and support of CADSTAR throughout these two territories on behalf of Zuken.

Part of the renowned Elco Group, Elco Engineering is a recently formed company following the merger

CIMdata PLM Industry Summary

of two previously existing companies - CAD Italia and SKY DATA. Elco Engineering is a full service company and offers a designer center focused in FPGA development with significant experience in design methodology, and hardware engineering - they also offer in-house tool and function specific training.

"Elco Engineering is pleased to include CADSTAR in the diverse portfolio of software solutions on offer to Spain and Italy's important manufacturing sectors." said Paolo Rinaldi, Managing Director, Elco Group. "Zuken's products represent the best and most reliable CAD solutions in the market place and we are proud to be associated with them. With the recession biting deep in both Spain and Italy companies are looking to design innovation technology to help bring productivity gains and kick-start growth."

Zuken has been gradually extending their market share of the lucrative Spanish EDA tool market and Elco Engineering has a strong market presence in Spain to continue this process. Also, with five dedicated sales staff operating out of Italy CADSTAR will now be reaching many more of the small to medium sized industries operating in the manufacturing sectors of precision machinery, motor vehicles (specialized utility vehicles, luxury vehicles, motorcycles, scooters), chemicals and electric goods which are crucial to Italy's export trade and will prove vital in restarting economic growth.

Jeroen Leinders, CADSTAR Distribution Manager said, "Elco Engineering is a natural partner for CADSTAR – they have the experience and the contacts to promote CADSTAR electronic design technology to the next level in both Spain and Italy. We release the latest CADSTAR upgrade in autumn 2009 so it is especially important to have a new distribution partner on board as we introduce exciting new features including breakthrough design re-use functionality, to help designers meet their tight deadlines and companies respond to the global economic downturn."

Existing CADSTAR customers in Italy will be pleased to note that the current CADSTAR representative for Italy, Mr. Massimo Lupi, will remain as the CADSTAR representative in both Sales and Technical Support, but will now also bring his considerable expertise in CADSTAR post and pre-sales support to future customers of Elco.

To find out more about CADSTAR go to www.zuken.com/cadstar or for further details on Elco Engineering please visit www.elco-group.com

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Events News

COADE Schedules CAESAR II Pipe Stress Analysis Statics Training for September 14-18 in Houston

28 August 2009

COADE announced that the next CAESAR II Statics pipe stress analysis training course will be on September 14-18, 2009, in Houston, Texas. Designed for managers, engineers and designers involved in piping design and stress analysis and held in COADE's state-of-the-art facilities, the course provides attendees with real world knowledge of static pipe stress analysis as well as how to use CAESAR II for cost effective piping design.

Course contents include piping code requirements for piping models, interpreting results for piping layout design, buried pipe and pipeline analysis, fatigue evaluation, wind and seismic loads, wave and current loads for offshore, and much more. As an added bonus, attendees will receive 3.5 Continuing

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Education Units upon completion of the course.

Course information and registration forms can be found at <http://www.coade.com/caesariiCourses.aspx>
Information on COADE and its products can be found at <http://www.coade.com>.

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Delcam CRISPIN to Show Complete Footwear CAD/CAM Range at SIMAC

27 August 2009

Delcam CRISPIN will show its complete range of design and manufacturing software for the footwear industry at the SIMAC exhibition to be held in Milan from 13th to 15th October. The company is the world's largest supplier of CAD/CAM software to the footwear industry – it is the only supplier able to provide a complete solution for the design and manufacture of both uppers and soles.

Visitors to the stand will be able to see a number of new and enhanced programs. The most significant new product is TechPac – a 2D system to generate technical packages for footwear designers to supply to their manufacturing partners. TechPac allows designers to specify the manufacturing processes to be used and the sequences of operations to be followed at all stages of the production of the shoe. It will help ensure that the design is produced exactly as specified and to the required delivery schedule.

The system is supplied with pre-defined templates to specify the path for the flow of manufacturing data during production. These templates can be modified by the user to cover any specific requirements of the design and manufacturing companies, or of the particular project. 2D part geometry, models and images can be imported into the documentation from the range of Delcam CRISPIN design software.

TechPac incorporates basic 2D engineering capabilities, plus comprehensive text functionality, with formatting options including font, colour and scale, so that the manufacturing companies can mark up the documents with any comments or queries on the suggested processes. For example, reference lines can be added onto the parts for operations like stitching, skiving and folding, together with images and text on the type of machine to be used.

All of the documents can be provided as pdf or HTML reports so making it easy for everyone involved in the project to exchange data electronically.

The most important of the new updates is the latest release of the 3D upper design module, ShoeDesign. ShoeDesign provides a comprehensive range of options to develop new designs, either based on an existing last or when creating a completely novel product. The software comes with a wide range of materials, textures and colours, while features like stitching, padding, eyelets and laces can all be included to complete the design.

The main focus of the new version has been on improving the ease of use, so making the software simpler for new users to learn and faster for experienced operators to use. The interface has been revised, in particular to reduce the number of icons on the screen at any one time. In addition, the cursor action has been improved to speed up the drawing of style lines, and the selection of menus and icons.

Handling of textures has also been improved. It has been made easier to edit existing textures, and to drag and drop textures from a texture library onto the various panels of the upper.

The new version of the LastMaker software for last design has also been made easier to use, both for the creation of standard lasts and for the development of bespoke designs. Improved creation and editing tools for cross-sections have been added to allow more specific adjustment to the overall design.

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Similarly, profile-line editing has been enhanced to make it easier to modify the outline shape of the last. Templates are available for the toe, back-curve and bottom sections of the last, so that these sections can be incorporated into the design more quickly and easily.

The ability has been added to compare scanned foot data with an existing digital last, to help produce a custom-made pair of lasts. Control planes, based on standard foot measurements, have been included, making it simpler to adjust standard last shapes for a bespoke design.

Developments have also been made to the base 2D Engineer package. The main new functionality allows Edge Templates to be appended to a part boundary, allowing dependent margins, makers, stabs and notches to be added after the boundary has been created. In addition, work has continued on many areas of 2D Engineer to make the software faster and easier to use.

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Icona Solutions to Demonstrate Latest Version of its Unique Perceived Quality Simulation and Visualization Software, aesthetica, at IAA 2009

6 August 2009

At this year's IAA, (Internationale Automobil- Ausstellung), in Frankfurt am Main, Icona Solutions Ltd., in partnership with its German business partner, HIC Engineering, will demonstrate for the first time at a major international event the latest version of its innovative perceived quality simulation and visualization software, aesthetica V3.1.

aesthetica is used by leading automotive industry OEMs to help them improve the perceived quality of their vehicles while reducing development time-scales and costs. Unlike other visualisation software products, aesthetica applies information on manufacturing variations and assembly deformation directly to the 3D CAD model of a vehicle to enable real time, 'what you see is what you get' (WYSIWIG) perceived quality studies, using realistic imagery, from the early stages of the vehicle development process right through to production.

Demonstrations of aesthetica at IAA illustrate many of the new features and functions introduced with V3.1, including: the ability to visualize how a new concept design will look when assembled using an existing vehicle platform; the ability to visualize the impact of real-world manufacturing variation on a vehicle, including offset means and skewed or non-symmetric distributions; and the ability to apply actual shop-floor inspection data and visualize real form variation directly on digital parts or assemblies.

New photo-realism capabilities.

In addition to these new data import facilities, demonstrations also show how the new direct interface from aesthetica to Autodesk Showcase digital mock-up and visualization software and enhancements to the existing direct interface to the Bunkspeed HyperShot 3D visualisation software enable photographic-quality visualization of deformed models created with aesthetica.

No additional data preparation is required for aesthetica models to be viewed in either Bunkspeed HyperShot or Autodesk Showcase because the exported models include all required geometry, materials and viewing positions. However, both Bunkspeed HyperShot and Autodesk Showcase can be used to add further visual effects, such as scenes, to the exported models for added realism when viewing them via a virtual reality environment, such as a Powerwall.

About aesthetica

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Icona Solutions' aesthetica software provides a unique solution for improving perceived quality by giving manufacturing companies the ability to simulate and visualize the impact of production variation and component deformation on a new product, early in the digital design process. It reduces the need for physical prototypes, removing cost through the early identification of perceived quality issues and by reducing the need for pre- and post-production rectification. Unlike traditional visualization tools, which can only create visualizations of the 3D CAD model in its perfect, as-designed nominal state, aesthetica brings innovation to the entire concept-to-production process by enabling proposed tolerances as well as actual variation and deformation data to be applied directly to the product geometry. The results are presented in a high-end visualization environment, in real time, with realistic lighting and materials, exactly as customers will see the finished product, with its production variations, in reality.

Decisions can then be made early on as to whether or not the variations – and the cost implications of necessary design changes - are acceptable.

About Icona Solutions Ltd.

Icona Solutions develops software that combines variation simulation and high-end visualisation to provide immediate insight into the impact of manufacturing variation and deformation on perceived quality, improving the desirability of the finished product while saving time, avoiding costs and improving communication and collaboration. Icona Solutions is a member of both Dassault Systèmes' CAA V5 Adopters and Siemens PLM Software's JT Open programs and a development partner of Autodesk, enabling the company to develop software solutions as an integral part of the broader PLM software environment. Icona's products are supplied and supported globally through a network of qualified resellers and engineering service providers. Find out more at: <http://www.iconasolutions.com>.

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Tata Technologies 'Investing in Engineering' Seminar Series Focuses on the Value of Digital Prototyping

26 August 2009

Tata Technologies announced a seminar series, "Investing in Engineering to Win in a Global Economy with Autodesk® Digital Prototyping." The series features both live events and Webinar presentations.

"Building and testing physical prototypes is costly and time consuming," said Kevin Robinson, Tata Technologies Solutions Manager. "Even if you don't build cars or airplanes, or create physical prototypes of large industrial machinery, the digital prototyping concept is highly relevant to your business. Because of inefficiencies within product development processes today, too much problem solving and iterating happens on the shop floor, not digitally. The shop floor is an expensive and inefficient place for innovation to happen."

Digital prototyping, Robinson noted, offers significant time and cost savings without any loss of accuracy or quality. Tata Technologies will be presenting an approach to product development called Digital Prototyping, which enables users to iterate, optimize, and validate designs digitally. By digitally prototyping products, manufacturers increase their competitive advantage, by getting to market faster with more innovative designs.

The Tata Technologies series features Autodesk Digital Prototyping solutions.

The Autodesk solution for Digital Prototyping enables users to create a single digital model in Inventor® for use at every stage of production; bridging the gaps that typically exist among conceptual

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design, engineering, and manufacturing teams.

The live seminars are two hours, including lunch, and feature an overview of Tata Technologies Digital Prototyping capabilities, as well as a demonstration of the Autodesk solutions.

“We’ll talk about what a typical product development process looks like and some of the critical challenges that manufacturers face which can be solved with technology,” Robinson said. “Then, we will turn our attention to how Digital Prototyping can help address these challenges.”

The schedule for Investing in Engineering to Win in a Global Economy with Autodesk Digital Prototyping is:

- September 15, Lancaster, Penn., live seminar
- September 18, Webinar – Internet event
- September 30, Torrance, Calif., live seminar

Register at: <http://www.tatatechnologies.com/global/EventDetails.aspx?MenuCode=234&Event-Id=361>

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20th Annual HP CAE Symposium to be Held October 1, 2009 in Detroit Michigan

August 2009

Computer-aided engineering (CAE) simulations are essential for new product designs. In today’s economic climate, businesses are fighting hard to capture market leadership. Some are finding a silver lining. History has shown us that economic downturns can more than double the likelihood that a business significantly changes its industry ranking. And those that make it to the top during a downturn typically sustain their market premium for an average of three years. [1] That means industries that can best adapt to today’s economic troubles have the best chance of not only surviving but thriving in the future.

This one-day symposium brings together over 20 of the industry’s leading CAE experts. Presentations will include keynotes and sessions from HP, Intel, Microsoft and the leading CAE software providers. Also included in the tracks will be presentations on CAE benchmarks, server and blade roadmaps, HP technology differentiators and software solutions from our CAE partners.

This event is the premiere CAE event offered by HP for industries such as automotive, aerospace, consumer goods, oil and gas and alternative-energy like solar energy. The event is free, but seating is limited, so [register](#) today.

Concurrent seminar tracks:

- Engineering IT and Services Technologies
- Multiple CAE Solutions Tracks

When:

Thursday, October 1, 2009

8:00 am- 5:00pm

Where:

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Detroit Marriott at the Renaissance Center

Detroit, MI 48243

Phone: 1-313-568-8000

[Details](#)

[\[1\]](#) "Who Will Prevail in 2009? Avoiding Mistakes in an Economic Crisis," *Corporate Executive Board* (www.exbd.com), December 2008.

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Financial News

Magma Reports Revenue of \$28.8 Million for First Quarter

27 August 2009

Magma® Design Automation Inc. reported revenue of \$28.8 million for its fiscal 2010 first quarter ended Aug. 2, 2009.

"In Q1 we exceeded our key financial guidance ranges and continued strong positive cash flow," said Rajeev Madhavan, chairman and CEO of Magma. "Our expectation is for continued financial leverage throughout the remainder of the year."

GAAP Results

In accordance with generally accepted accounting principles (GAAP), Magma reported a net loss of \$(4.3) million, or \$(0.09) per share (basic and diluted), for the first quarter, compared to a net loss of \$(15.3) million, or \$(0.35) per share (basic and diluted), for the year-ago first quarter.

Non-GAAP Results

Magma's non-GAAP net income was \$1.7 million for the first quarter, or \$0.03 per share (basic and diluted), which compares to non-GAAP net income of \$0.7 million, or \$0.02 per share (diluted), for the year-ago first quarter.

Non-GAAP net income for the first quarter of fiscal 2010 excludes the effects of amortization of developed technology, amortization of intangible assets, stock-based compensation, amortization of debt issuance costs and debt discount accretion, charges associated with losses on equity investments and other investments, restructuring charges, acquisition-related expenses and the related provision for income taxes. Non-GAAP net income for the first quarter of fiscal 2009 excludes the effects of amortization of developed technology, amortization of intangible assets, amortization of deferred stock-based compensation, amortization of debt issuance costs and debt discount accretion, charges associated with losses on equity investments, restructuring charges, acquisition-related expenses and the tax effects of these adjustments. A reconciliation of our non-GAAP results to GAAP results is included in this press release.

In the first quarter Magma generated cash flow from operations of approximately \$5.7 million.

Business Outlook

For Magma's fiscal 2010 second quarter, ending Nov. 1, 2009, the company expects total revenue in the

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range of \$28.5 million to \$29.0 million. GAAP net loss per share is expected to be in the range of \$(0.18) to \$(0.17) and non-GAAP earnings per share (EPS) are expected to be in the range of \$0.01 to \$0.02. A Financial Data Supplement containing additional second quarter and full fiscal year 2010 guidance, as well as detailed financial information intended to provide guidance and further insight into our business, is available online in the Investor Relations section of the Magma website. All guidance issued by the company before Aug. 27, 2009 is no longer in effect.

GAAP Reconciliation

Magma provides non-GAAP financial information to assist investors in assessing its current and future operations in the way that Magma's management evaluates those operations. Magma believes that this non-GAAP information provides useful information to investors by excluding the effect of some expenses that are required to be recorded under GAAP but that Magma believes are not indicative of Magma's core operating results, or that are expected to be incurred over a limited period of time.

Magma's management evaluates and makes operating decisions about its business operations primarily based on bookings, revenue and the core costs of those business operations. Management believes that the amortization of developed technology and intangible assets, stock-based compensation, in-process research and development expenses, amortization of debt issuance costs, debt discount accretion, charges associated with losses on equity and other investments, acquisition-related expenses, and the related provision for income taxes, and other significant unusual items are not operating costs of its core software and service business operations. Therefore, management presents non-GAAP financial measures, along with GAAP measures, in this earnings release by excluding these items from the period expenses. The income statement line items affected are as follows: (1) cost of revenue, licenses; (2) cost of revenue, bundled licenses and services; (3) cost of revenue, services; (4) operating expenses, research and development; (5) operating expenses, in-process research and development; (6) operating expenses, sales and marketing; (7) operating expenses, general and administrative; (8) operating expenses, amortization of intangible assets; (9) operating expenses, restructuring charge; (10) other income (expense), net; (11) Provision for income taxes and (12) net income (loss) per share.

For each such non-GAAP financial measure, the adjustment provides management with information about Magma's underlying operating performance that enables a more meaningful comparison of its financial results in different reporting periods. For example, since Magma does not acquire businesses on a predictable cycle, management excludes acquisition-related charges, such as in-process research and development charges, to make more consistent and meaningful evaluations of Magma's operating expenses. Similarly, since Magma does not undertake significant restructuring or realignments on a predictable cycle, management would have difficulty evaluating Magma's profitability as measured by gross profit, operating profit, income before taxes and net income on a period-to-period basis unless it excluded these charges. Management also uses these measures to help it make budgeting decisions between those expenses that affect operating expenses and operating margin (such as research and development, sales and marketing, and general and administrative expenses), and those expenses that affect cost of revenue and gross margin (such as product development expenses).

Further, the availability of non-GAAP financial information helps management track actual performance relative to financial targets, including both internal targets and publicly announced targets. Making this non-GAAP financial information available also helps investors compare Magma's performance with the announced operating results of its principal competitors, which regularly provide similar non-GAAP financial information.

Management recognizes that the use of these non-GAAP measures has limitations, including the fact

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that management must exercise judgment in determining whether some types of charges, such as stock-based compensation relating to stock grants and acquisition related charges, should be excluded from non-GAAP financial measures. Management believes, however, that providing this non-GAAP financial information facilitates consistent comparison of Magma's financial performance over time. Magma has historically provided non-GAAP results to the investment community, not as an alternative but as a supplement to GAAP information, to enable investors to evaluate Magma's core operating performance in the way that management does.

Conference Call

Magma will discuss the financial results for the recently completed quarter and year, along with forward-looking guidance, during a live earnings call today at 2 p.m. PDT, available live by both webcast and telephone.

Following completion of the call, a webcast replay of the call will be available at <http://investor.magma-da.com/medialist.cfm> through Sept. 3, 2009. Those without Internet access may listen to a replay of the call by telephone until 11:59 p.m. PDT on Sept. 3, 2009 by calling:

U.S. & Canada: (888) 203-1112, code #7649971

Elsewhere: (719) 457-0820, code #7649971

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Sopheon plc Results For The 6 Months To 30 June 2009 Business Review And Outlook

27 August 2009

Sopheon plc (“Sopheon”) the international provider of software and services that improve the return from innovation and product development investments, announces its unaudited interim results for the six months ended 30 June 2009 (the “period”) together with a business review and outlook.

Highlights:

- Revenue: £4.1m (2008: £4.3m)
- EBITDA loss: £0.3m (2008: EBITDA profit £0.5m)
- Loss before tax: £1.0m (2008: profit £0.1m)
- Seventeen license transactions including extension sales completed. A number of opportunities expected to close during the first half of the year were delayed but remain in active sales cycles.
- Revenue visibility now stands at £7.0m for full-year 2009 performance, up from £6.2m reported in mid June at the AGM. The licensee base now stands at 163.
- Gross cash at 30 June stood at £1.6m. We have renegotiated our debtor-based revolving credit facilities from \$750,000 to \$1,250,000, though only \$700,000 was drawn at 30 June.
- We introduced Idea Lab™, our new idea development software for the front end of the product innovation process. Sopheon now offers the first software suite in the industry to provide all-in-one support for strategic product planning, ideation and execution.

Sopheon’s Chairman, Barry Mence said: “After our great progress in 2008, we are disappointed that wider economic conditions in the first half of this year affected the Group’s historical pattern of growth. Nevertheless, we continue to work hard at closing business, and believe that our considerable pipeline of

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new sales opportunities will enable us to return to growth in the second half of the year.”

CHAIRMAN’S STATEMENT

Trading Performance

Following landmark growth in 2008, consolidated revenues for the first half of 2009 were £4.1m compared to £4.3m in the first half of 2008. As noted in the AGM statement released on 16 June, the reduction can be attributed largely to delays in closing new license orders. This is borne out by the overall revenue mix between license, maintenance and services, which was 30:26:44 respectively, compared to 47:27:26 for the same period last year.

Sales performance during the six-month period included 17 new and extension license orders, in addition to a number of consultancy and services contracts. In spite of the weak economy, renewals of license rental, maintenance and hosting contracts have held up well, and our annualised base of such recurring business stands at £4.1m.

We have consistently noted our business dependency on a small number of relatively large deals, any of which can materially impact the revenue recorded in a particular period. When combined with current market conditions, this has resulted in deferment of a number of opportunities that we had expected to close in the second quarter. Several of these prospects attributed the delays to more stringent approval processes imposed due to market uncertainty. The majority of the affected prospects remain in active sales cycles and closures to date have resulted in an increase in full-year revenue visibility from the £6.2m reported at the time of our AGM to £7.0m today. Based on our current view of the forward sales pipeline, we continue to expect that we will close several of the delayed opportunities in the second half of the year, in addition to winning new business which was originally identified for the third and fourth quarters. This will be a major challenge, but one we will embrace with vigour.

From a geographical perspective, approximately two-thirds of revenues during the first half of the year were generated in the US, and one third in Europe. This balance of distribution is generally consistent with prior periods. The Aligent business acquired in June 2007 accounted for 13% of total revenues recorded in the first half of 2009 compared to 12% for the comparable period last year. Gross profit, which is arrived at after charging direct costs such as payroll for client services staff, was £2.8m compared to £3.2m the year before, representing a fall in the gross margin percentage from 75% to 67%. This reflects the relatively fixed nature of such costs. We expect the gross margin percentage to continue to fluctuate from period to period, in line with variation in our revenue mix.

Operating Costs and Results

The fall in the value of Sterling has resulted in reported costs being considerably higher across all parts of our business, since the majority of our staff are based outside the UK. Looking beyond this apparent overall increase, we have adjusted the staffing mix during the period. Total staff count at the end of 2008 was 105, up from 96 at the end of June 2008. Coming into 2009, to sustain a position of product leadership in the market, we recruited additional staff into our product development team. This was offset by a reduction of staff in other operational groups, implemented in April. The combination of these changes resulted in a total staff count at the end of June of 100. The financial benefit of the staff reductions will feed through in the second half of the year.

The overall operating result for the business during the period was a loss of £892,000 (2008: profit of £132,000). After net finance costs, which include interest on debt taken on to finance the Aligent acquisition, the final loss before tax reported for the period is £990,000 (2008: profit of £54,000). This

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result includes interest, depreciation and amortisation costs amounting to £658,000 (2008: £479,000). The majority of this increase is connected with the higher relative value of the US dollar, which has translated into higher reported costs in Sterling. The EBITDA result for the first half of 2009, which does not include these elements, was a loss of £330,000 (2008: profit of £533,000).

Corporate and Balance Sheet

Net assets at the end of the period stood at £3.1m (2008: £3.5m). Gross cash resources at 30 June 2009 amounted to £1.6m (2008: £2.1m). Approximately £0.4m was held in US dollars, £0.6m in Euros and £0.6m in Sterling.

Intangible assets stood at £4.2m (2008: £3.7m) at the end of the year. This includes (i) £2.3m being the net book value of capitalised research and development (2008: £1.5m) and (ii) £1.9m (2008: £2.2m) being the net book value of Aligent intangible assets acquired in 2007. Due to amortisation and impairment charges, the underlying dollar value of these assets has lowered since last year. However, the movement in Sterling does not reflect this fully due to the sharp change in exchange rates year to year.

As part of the funding raised for the Aligent acquisition, Sopheon secured \$3.5m of medium-term debt from BlueCrest Capital Finance LLC (“BlueCrest”). The debt is being repaid in 48 equal monthly installments and is secured by a debenture and guarantee from Sopheon plc. BlueCrest also offered the enlarged group an additional two-year \$750,000 revolving credit facility secured on accounts receivable. This has been renewed for a further year at a higher facility limit of \$1,250,000. At 30 June 2009, the balances outstanding on the medium-term debt and revolving credit facility were \$2m (2008: \$2.8m) and \$700,000 respectively (2008: \$750,000). The equivalent figures in Sterling are £1.2m (2008: £1.4m) and £425,000 (2008: £377,000) respectively.

Market and Product

Over the last two years we have evolved Sopheon from a single product company to one with a product family. This has been accomplished through a combination of strategic investment, partnership activity and an unremitting focus on product development. Our first milestone in this expansion in scope was in 2007 with the acquisition of Aligent Software, bringing its Vision Strategist™ roadmapping solution into our product set. This was followed last year with the pivotal release of version 7.0 of our core Accolade® platform.

Most recently, we introduced Idea Lab, an Accolade module designed specifically for use in generating, nurturing and developing new product ideas. The new solution is the result of a partnership between Sopheon and Hype Softwaretechnik GmbH, a German-based supplier of idea management software. Idea Lab has received feature coverage from IT research and advisory firms such as AMR Research, ARC Advisory and Tech-Clarity. The new offering expands Accolade’s capacity to strengthen the entire product innovation process. At the front end of the innovation cycle, Accolade’s Vision Strategist delivers automated support for the development of strategic product plans. The plans are socialised, fleshed out and enhanced in Idea Lab. The most promising strategic concepts migrate from Idea Lab into the user’s Accolade-supported gate or phase-based innovation processes, reducing the time it takes to turn ideas into products.

Our software belongs to a major class of applications called product lifecycle management (“PLM”) solutions that help companies develop and execute their product strategies. The PLM market is comprised of multiple submarkets. Sopheon is focused on an emerging submarket called Product Portfolio Management (“PPM”) which addresses the business challenges associated with product

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innovation, including the management of innovation risk and reward. A number of vendors of project portfolio management solutions that have historically focused their software and go-to-market strategies on the project management needs of corporate information technology organisations continue to step up their attempts to migrate toward the PPM space. However, several analysts have labelled Accolade as best-of-breed among solutions in the product portfolio management sub-class, with AMR Research stating that it is the most mature and has the greatest traction. Moreover, we believe that our software can bring immediate value to recession-plagued companies that need to reduce costs without undercutting their prospects for long-term growth. Our solutions help them maximise returns from available resources, while also supporting their development of programs and strategies that will enable them to accelerate out of the downturn and emerge with increased competitive strength.

Outlook

Our sales pipeline remains strong, with good lead generation and high levels of activity. Our challenge is to convert this activity into signed contracts. This task has been made more difficult by current economic conditions, as customers prolong their investment decisions. Our first-half performance reflects the impact of this slowing of our sales cycles. We continue to evaluate both our cost base and our balance sheet; however the board is committed to maintaining its investment in product and its ability to service customers effectively. Accordingly, any cost adjustments will be carefully thought through and balanced against expected performance.

As we face the current challenges, we are fortified by our recent achievements. Sopheon's strategic position continues to strengthen, with a customer base that now includes 163 licensees, the majority of which are global brands. With the launch of Idea Lab, Sopheon offers the first software suite in the industry to provide all-in-one support that encompasses innovation strategy, ideation and execution. We remain convinced that this represents a highly differentiated value proposition, and are encouraged by strong interest from the market and influential, positive affirmation from the business analyst community.

Our immediate operational focus is on short-term improvements in revenue and profitability, but we will continue to drive for strategic progress, and will maintain this balanced approach as we plan for 2010.

Barry Mence

Chairman

27 August 2009

Visibility

Visibility at any point in time comprises revenue expected from (i) closed license orders, including those which are contracted but conditional on acceptance decisions scheduled later in the year; (ii) contracted services business delivered or expected to be delivered in the year; and (iii) recurring maintenance, hosting and rental streams. The visibility calculation does not include revenues from new sales opportunities expected to close during the remainder of 2009.

EBITDA

EBITDA is defined as earnings before interest, tax, depreciation and amortisation and can be arrived at by adding back these charges, which amount to £658,000 (2008: £479,000), to the loss for the period of £990,000 (2008: profit of £54,000).

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Implementation Investments

CADParts & Consulting LLC Provides Greater Benefits to Customers by Using Arena to Streamline Data and Development Processes

26 August 2009

Arena Solutions announced that CADParts & Consulting LLC is using Arena to streamline its product development process, boost productivity and improve collaboration with customers. With locations around the U.S. and numerous strategic partnerships, CADParts provides its customers with a full range of printed circuit board (PCB) design services, including component design, project management and product design.

CADParts selected Arena to help the company deliver even better results. "Our goal is to be a one-stop shop for our customers," explained Bryan Truax, vice president of operations for CADParts & Consulting. "That's huge, especially in this current market, when people in niche roles like project management and purchasing have been laid off, and customers want us to perform those functions too. Having Arena, which ties all the pieces together, is an enormous advantage for us."

Before implementing Arena, CADParts had to work with customer data in whatever state it was provided. **Bills of materials (BOMs)** were generally sent in Excel spreadsheets or Microsoft Word documents. Those formats have inherent limitations when it comes to BOM management, and those limitations, in conjunction with widely varying levels of data cleanliness and completeness, made data management a chaotic undertaking for CADParts. Without a centralized location for storing information, revision control was difficult to impossible. The hand-off to manufacturing was never straightforward: at best it was a long drawn-out process, but if files were missing or incorrect versions were sent, it could be the precursor to schedule delays and incorrect builds. Although such mistakes were often not CADParts' fault, they were still associated with the company and could negatively impact customer satisfaction and future business.

Although Truax had used both Arena and traditional client/server **product lifecycle management (PLM)** tools in the past, Arena was an obvious choice for him. "The combination of ease of use, completeness of functionality and great price point can't be beat," he explained. "The bigger tools are more complicated and require a lot of time to get users up to speed. But Arena can do everything they do. Why spend \$100,000 when you get all the same functionality in Arena for a **fraction of the price**? And you get a system that's far easier to use too." CADParts only had to spend a few days to get Arena deployed, and individual users were able to get up and running within a matter of hours.

With its on-demand platform and intelligent application architecture, Arena enables CADParts to segregate each customer's data in a dedicated workspace and then give that customer's authorized employees secure, selective access that ensures they only see designated items in their own workspace. CADParts suppliers -- contract manufacturers (CMs) and vendors -- are given similar access so they see only the data they need to provide quotes, ship parts or start assembling. "This is much better than using spreadsheets, emails and documents," said Truax. "We can guarantee to our customers that everyone is working from the latest version. Arena is the perfect tool for revision control."

The hand-off to a CM, which used to take as much as half a day just to get all the latest files pulled together, can now happen in less than 10 minutes. The CM, in turn, has the information it needs to build efficiently -- and correctly -- which means no one has to eat the cost of a mistake, and more importantly, no unnecessary delays slow the customer's product schedule. In CADParts' estimation, in the first few

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months of using Arena, the company has already saved thousands of dollars.

"I like tools that work," explained Truax. "I've used a lot of software, and some of it is just so ridiculously expensive and difficult to use. The last thing I have time to do is spend days trying to figure out how to use a new tool. On the contrary, Arena helps me do my job. And I think it does everything a company doing product development could need."

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CDS Configurators Implemented by ASCO Valve

26 August 2009

[Catalog Data Solutions](#) (CDS) announced that ASCO Valve, a division of [Emerson](#) Industrial Automation has implemented 4 CDS Configurators on the www.ascovalve.com home page. The configurators cover the configuration and 3D CAD model delivery of 2-Way 8262/8263 Series Valves, Redundant Control Systems, Condensate Drain Valves and 8290 Actuated Globe Valves. The configurators (with patent-pending Visual Constraint Feedback™) enable custom online design by customers, distributors and ASCO Valve staff.

"The configurators that CDS is building for us provide 'expert systems' that integrate deep knowledge of our products and enable an advanced user experience, available 24X7, to the design engineer. They save the engineer time in selecting the right product and immediately providing a 3D CAD model to use in their design so they don't have to redraw it," said Craig Patterson, Director Engineering Services, ASCO Valve Americas. "Additionally they simplify our order processing and reduce order returns by eliminating invalid configurations. We chose CDS for rapid delivery, price competitiveness, the innovative Visual Constraint Feedback™ interface, and the CAD download capability."

"Most configurators available today force users to follow a sequential process, in which earlier decisions eliminate future options – usually without the user knowing the implications of each decision (i.e. if you select X you are giving up option Y in selection Z). This leads to tedious back tracking and repetition for the designer. In contrast CDS's configurators include Visual Constraint Feedback™ which makes you aware of what effects any selection has on your future choices. As a result design becomes a parallel rather than a serial process and the order of design decisions is totally at the discretion of the designer even for complex and sophisticated products like those of ASCO Valve," said John Major, CEO of Catalog Data Solutions.

Studies show that nearly all designers and engineers now use the Internet to locate components for their new designs. Interactive online configuration of even the most complex or parametric engineering products are easily created with Catalog Data Solutions configurators.

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Hyundai Heavy Industries: The World's Largest Shipbuilder Chooses STAR-CCM+

26 August 2009

CD-adapco announced that Hyundai Heavy Industries, Co., Ltd. (HHI), the world's largest shipbuilder, has adopted STAR-CCM+ for its fluid-structure interaction analysis of ships in waves. HHI chose CD-adapco's flagship Computational Fluid Dynamics product because of its breadth of applicability and its ability to substantially reduce development timescales when deployed early in the design process.

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We were looking for a commercial CFD product that offered complex geometry handling, minimal workload for surface preparation and meshing, and wide range of physical models for unsteady marine hydrodynamics.” said a senior research engineer at Hyundai Maritime Research Institute. “STAR-CCM+ is that tool. STAR-CCM+ is so easy to learn while very efficient and powerful in marine applications, especially when predicting vessel’s 6 degree-of-freedom motions as well as slamming impact loads in waves. HHI is also very satisfied with customer supports by CD-adapco Korea.”

David Vaughn, CD-adapco’s Director for the Marine Sector, is excited by this new relationship: “We are proud to name HHI in the growing list of leading industrial companies that have adopted STAR-CCM+ for hydrodynamic design analysis, and look forward to working with them further improving our software in order to meet the future needs of the maritime industry.”

CD-adapco has a 28 year history of providing flow, thermal and stress simulation technology to the marine industry. From the world's largest shipyard to suppliers of small components, the use of our technology has become a standard feature in the marine design and safety assurance process. CD-adapco's software is used by classification societies such as Lloyd's Register, Germanischer Lloyd, Det Norske Veritas and American Bureau of Shipping.

CD-adapco’s customers have been able to tackle some of the most demanding problems that the marine industry has to offer, allowing engineers and designers to predict how designs will react in operation, before budget is committed to the construction of expensive prototypes. Recent successes include: ship keeping, slamming and sloshing; wave and wind loading on offshore and underwater structures; oil and pollutant dispersions; cavitation control and propulsion system optimization.

About Hyundai Heavy Industries

HHI's Shipbuilding Division leads the global shipbuilding industry with a 15% share of the market. The Hyundai shipyard stretches over four kilometers along the coast of Mipo Bay in Ulsan, Korea. The Shipbuilding Division is capable of building all types of ships to meet various demands from its clients. It has nine large-scale dry docks with seven huge 'Goliath Cranes'. Since the shipyard's groundbreaking in 1972, HHI's Shipbuilding Division has garnered many awards and set many records within the shipbuilding industry.

The Division reached the 10 million DWT production mark, and reached the milestone of 20 million DWT in 1988, 30 million DWT in 1991, 40 million DWT in 1994, 50 million DWT in 1997, and 100 million DWT in 2005. The Division has delivered more than 1,383 ships to 244 ship-owners in 46 countries since 1972.

HHI's Special & Naval Shipbuilding Division, as a licensed National Defense Industrial Shipbuilder and engineering consultant for the Korean Navy, has the technology to design and build modern, reliable submarines, naval ships and auxiliary service vessels of various proven and advanced hull forms.

For more information please visit: <http://english.hhi.co.kr/>

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Infor Enhances Norgren’s Maintenance Services with EAM Solution

26 August 2009

Infor announced that Norgren, a manufacturer for the health, automotive and chemical industries, has deployed the first phase of Infor EAM (Enterprise Asset Management). The solution, which took just

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nine days to implement, will help deliver cost-effective maintenance services, reduce asset downtime and improve both the productivity of Norgren UK's operations, and the quality of services it delivers.

The application will support Norgren's efforts to streamline its maintenance services by creating a dashboard to monitor machine availability and prioritise job orders to improve response times. Infor EAM will be used by 70 staff at the Norgren UK site in Lichfield.

Norgren chose Infor because of its deep domain expertise and the functionality of its EAM suite. "We were really impressed with the potential time saving opportunities available with Infor EAM," comments Kevin Dixon, maintenance manager, Norgren. "Previously we had used spreadsheets to record maintenance requests, with job orders being processed on paper. This meant that when an order came in, it would simply be put on a pile with the others, with no system to track which requests were to be prioritised."

The use of spreadsheets and manual processes meant that staff at Norgren would have to continuously check to see if any new requests had come in, taking up time that could be spent on maintenance tasks. Now, Norgren has an Infor EAM terminal on each of its four manufacturing production lines. If there is a machine breakdown, workers can log the maintenance request via the terminal into Infor EAM. This generates a work order, which with Infor's dashboard functionality, is received on each maintenance worker's PC or mobile device, should they be working offsite.

Kevin Dixon explains: "The dashboard capability was a decisive factor in our decision to adopt Infor EAM. The move to a web-based system means we can now streamline our work requests and provide preventative maintenance instead of just reacting to requests. Being able to deploy the solution in such a short space of time also means we can look to optimise our productivity levels, and our service delivery at the earliest opportunity."

The second phase of the roll out of Infor EAM is expected in early 2010.

Additional resources

Whitepaper - 10 pitfalls to avoid when implementing EAM

<http://www.infor.com/content/whitepapers/eam-cmms-10-pitfalls.pdf/>

For more information about Infor EAM Business Edition please visit:

<http://www.infor.com/solutions/eam>

Infor EAM for Maintenance - <http://www.infor.com/solutions/eam/maintenance/>

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Kitron Selects IFS Applications to Improve Business Processes

27 August 2009

Kitron ASA, one of Scandinavia's leading contract manufacturers, has chosen IFS Applications to standardize and improve business processes throughout the organization. In a contract valued at SEK 21.5 million, including software licenses and services, the solution will also incorporate the new IFS Enterprise Explorer (IEE) interface.

The solution includes components for Manufacturing, Distribution, Finance, Project Management, Customer Relation Management (CRM), Human Resources (HR) and Business Intelligence (BI).

Kitron has a Nordic EMS (Electronic Manufacturing Services) operation with R&D and manufacturing

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sites in Karlskoga (Sweden), Jönköping (Sweden), Arendal (Norway) and Kaunas (Lithuania).

"We have three objectives with the project; the standardization of business processes, a higher degree of efficiency regarding process improvements and cost savings, and finally an increased quality of information," said Björn Wigström, CFO of Kitron. "With IFS Applications, we are able to respond to the highest data quality and functionality customer requirements. We will only achieve this if the new system is embraced by all users, which is the reason why we have chosen a high-level usability system like IFS Applications."

Kitron has an extended value chain including product design, development, industrialization, sourcing, manufacturing, aftermarket and re-engineering. To ensure optimal productivity in the entire value chain, Kitron has chosen the system with the highest level of usability and functionality to meet the demands of the chosen SCOR (Supply Chain Operations Reference model) processes.

Wigström continues, "Industry functionality for the EMS/high tech industry, industry competence and proof of best practice processes were the main reasons for choosing IFS. This was confirmed by IFS customer references and by the ERP pre-study completed by IFS. The project-based solution from IFS will also provide a higher degree of project control, which will enable us to stay competitive and deliver higher margins from the business going forward."

Glenn Arnesen, Managing Director IFS Scandinavia, adds, "IFS successfully continues to win against other major business application vendors. Adding Kitron to the customer list further increases our presence in the high-tech industry and contributes to building our position as a leading global vendor."

The high-tech industry is one of IFS' targeted vertical markets. IFS offers industry-specific solutions for companies in the electronic equipment, electronic component and semiconductor industries. These solutions support all business processes from design and mixed-mode manufacturing to after-sales support and warranty management. IFS' high-tech customers include Rockwell Automation, NEC Philips Unified Solutions, NEC, Eltek, PartnerTech, Maxon Motor, and Olympus Optical.

About Kitron

Kitron is one of Scandinavia's leading companies in development, industrialisation and manufacturing of electronics for the Data/Telecoms, Defence/Offshore, Medical equipment and Industry sectors. The company is located in Norway, Sweden and Lithuania. Kitron had a revenue of about NOK 2.3 billion in 2008 and has about 1,150 employees.

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Klim USA Selects PLM, Sourcing from Centric Software

26 August 2009

Klim USA, a rapidly growing maker of advanced technical riding gear for today's aggressive off-road dirt bike and snowmobile rider, has become the most recent apparel and consumer goods company to purchase Centric 8, the product lifecycle management (PLM) and sourcing system from Centric Software, Inc.

[Centric](#) provides PLM and sourcing solutions for companies in the fast-moving consumer goods and fashion industries, including those that globally source private-label products. Klim will use the product sourcing, calendar management and other modules of the Centric 8 system to improve the efficiency and speed of its sample development process, according to Blake Summers, director of information

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technology at [Klim USA](#).

“Even in this tough environment, Klim USA continues to grow due to our reputation for high quality, technically innovative products,” says Summers. The company’s emphasis on quality means nothing goes into production without final sample approval by Klim staff on site at the supplier’s location, Summers explains. With supplier/partners in Canada, Sweden and Asia, enhanced collaboration enabled by Centric sample management capabilities will eliminate errors and time-consuming, back-and-forth communications, improve overall accuracy and speed processes between Klim and its partners. “Centric will enable Klim USA to maintain our high quality standards while reducing costs and bringing products to market more quickly,” adds Summers.

Klim USA evaluated ten PLM solutions before selecting Centric. Summers explains: “Ease of use, rapid deployment and flexible pricing models were important considerations. Centric’s richness of functionality—including the calendar management capability—represented far better value than other systems priced significantly higher. And Centric’s domain expertise and business-ready solutions will meet our needs now, and enable them to partner with us as we move to the next level.”

“Klim USA represents those dynamic, consumer-driven companies that are succeeding despite the current economic climate,” says Chris Groves, president and CEO of Centric. “Klim built its reputation on technical innovation, high-quality products. Now Klim continues to demonstrate foresight by investing in technology to achieve the efficiencies, speed and improved business processes needed to enable the company to meet business and growth objectives.”

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Lucchese Boot Company Selects CGS BlueCherry Enterprise Suite

25 August 2009

Computer Generated Solutions, Inc. ([CGS](#)) announces that legendary boot maker Lucchese Boot Company (<http://www.lucchese.com>) has selected CGS BlueCherry® to replace legacy business software at its El Paso, Texas (USA) headquarters. The BlueCherry Enterprise Suite will be used by multiple teams to manage everything from new product development to manufacturing and customer delivery. Lucchese expects the new system will help streamline its entire concept-to-customer business process and increase overall operational efficiencies.

"Our old business system could not adapt to our changing needs," stated Tom Hough, Lucchese chief financial officer. "Even though it was heavily customized, it lacked industry-specific functionality and was not conducive to integration with other systems. With continued growth, we recognized the need for an industry-tailored system that could help us streamline our various business processes and provide us with more timely and accurate information for decision-support. BlueCherry provides all of that in a single, fully integrated package that has been proven capable of managing the complexities of our vertical footwear operation. Beyond the robust manufacturing capabilities of the system, we were impressed with the domain expertise of the CGS team."

In addition to the core financial, order and manufacturing management capabilities of the Enterprise Resource Planning (ERP) system, the BlueCherry implementation at Lucchese will also include integrated product lifecycle management (PLM) and warehouse management system (WMS) software modules. Lucchese will also leverage BlueCherry's built-in Report Builder to simplify system reporting and support management by exception, Tool Box Builder to make in-house system configuration changes without the need for costly and time consuming programming, and Data Conversion tools to

speed implementation of the new system.

"We are pleased with the opportunity to work with the Lucchese team," noted Paul Magel, senior vice president, CGS Application Solutions. "Together we look forward to the significant improvements and business-changing benefits that a best-of-breed, fully integrated business system will bring to their operation."

Renowned for classic western boots, Lucchese Boot Company is one of the most luxurious and exclusive boot companies in the world. The company celebrated its 125th anniversary in 2008. All Lucchese Classics, Lucchese 2000 and Lucchese 1883 boots are made 100% in the USA.

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Magma Customers Pass 50-Tapeout Mark At 45/40 Nanometers Using Talus, More Than With Any Other EDA Platform -- Talus 1.1 Proven as Leading Implementation Solution for Advanced Chips

24 August 2009

[Magma® Design Automation Inc.](#) today announced Magma customers have passed the 50-tapeout mark for chips designed at 45 nanometer (nm) or smaller geometries using Magma's Talus® netlist-to-GDSII design implementation system -- more than with any other EDA supplier's implementation system. Talus, Magma's next-generation implementation platform designed specifically for chips at 45-/40-nm or smaller process nodes, is now widely used among Magma customers and its latest release, Talus 1.1, has demonstrated particular advantages for designs at the 45-/40-nm process nodes.

More than 55 percent of the 45- and 40-nm tapeouts were completed for networking and mobile applications. Other applications taking advantage of 45- and 40-nm technology include multimedia and graphics. In terms of geographic distribution, about 70 percent of the 45- and 40-nm tapeouts completed to date were by companies based in North America and about 25 percent by companies based in Japan or the Asia-Pacific region.

"As you might expect, networking and mobile applications represent the bulk of chips completed at 45 or 40 nm," said Premal Buch, general manager of Magma's Design Implementation Business Unit. "The designs completed so far at these geometries tend to be complex, in some cases approaching 100 million gates. Talus 1.1 with its COre™ (concurrent optimizing routing engine) and high capacity is ideally suited for implementing chips in these application areas which tend to push the performance envelope as well as have high gate counts."

Talus 1.1: The Fastest Path to Silicon for 45-/40-nm Chips

The Talus system was built to anticipate the unique requirements of chip design at advanced process nodes, and Talus 1.1 takes its capabilities even further. Since its availability was announced in May 2009, Magma customers have found Talus 1.1 to deliver significant improvements in runtime and timing convergence. It also achieves timing closure with no design-rule checking (DRC) violations and reduces total chip area significantly. Talus also offers a significant capacity advantage over competing systems which allows design teams to work on much larger blocks during the design process.

"Magma's raison d'etre from our beginning has been to provide designers with the best technology for advanced chips," Buch added. "That's why we closely track how many chips are taped out as the semiconductor community transitions to new process geometries. The transition to the 45-/40-nm nodes has again created an opportunity for Magma to expand market share. Of course, we are not stopping there and already have the foundation in place to support the next process node at 32/28nm. In fact, we

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are already seeing some of our customers working on 28-nm designs."

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Magma's Quartz Deployed by NVIDIA as Primary Design Rule Checker for 40-nm and Below

25 August 2009

Magma® Design Automation Inc. announced that its Quartz™ DRC has been deployed by NVIDIA Corp. as the primary physical verification checker for designs targeted at 40-nanometer (nm) and smaller process nodes.

NVIDIA, which invented the graphics processing unit and continues to lead its development, is using the [Magma](#) physical verification tools for applications ranging from custom cell development to full-chip verification. NVIDIA selected Quartz for 40 nm and below after use on multiple 65-nm designs and finding they delivered significantly faster turnaround time than existing physical verification tools.

"We have been using Magma's Quartz physical verification solution in production since we moved to the 65-nm process node, and it has proven to be both accurate and significantly faster than other solutions," said James Chen, VLSI technology manager at NVIDIA. "Through dozens of tapeouts, we've seen that Quartz provides the sign-off accuracy needed via certified runsets provided by our foundry partners. Though design sizes and rule complexity have increased significantly, we've been able to meet aggressive design schedules by leveraging Quartz's linear scalability on standard, low-memory Linux machines."

Quartz DRC and LVS are architected to process integrated circuit (IC) designs of any size, at any technology node, in the least amount of time. Magma's is the first truly scalable physical verification solution, able to provide turnaround time that is up to an order of magnitude faster than existing solutions while using existing compute resources. The Quartz tools are fully compatible with third-party IC implementation flows and can read file formats used by traditional physical verification tools.

"Quartz DRC and LVS have enabled silicon success for a wide range of customers, including those doing the most advanced designs in the world," said Anirudh Devgan, general manager of Magma's Custom Design Business Unit. "NVIDIA's decision to deploy Quartz as the primary physical verification design rule checker for 40-nm and smaller process nodes is an endorsement of the software's ability to provide the fastest turnaround-time while using very cost-effective hardware systems."

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Nottingham University Uses PTC Technology to Drive Engineering Degrees

27 August 2009

PTC announced that the University of Nottingham's Faculty of Engineering, one of the UK's leading engineering universities, has deployed PTC's Pro/ENGINEER® to teach mechanical engineering, design engineering, product design, manufacturing engineering and management undergraduate courses.

The University Plus Site licence, supplied by PTC Value Added Reseller Optima, now gives over 1200 students the very latest engineering tools to help prepare for their future careers. It ensures that the University remains competitive, fostering innovations via one complete engineering and design package.

Simon Harrison, Course Director Nottingham University comments, "We are particularly impressed

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with the way in which PTC's technology will allow our students to train to a high standard. Our aim is to provide students with the right training and skills, so that when they leave university they are 'ready to engineer' and are familiar with the tools in the market, Pro/ENGINEER does just that. It offers a complete suite of concept to manufacture, enabling Product Design and Mechanical Engineering Students to utilise one tool that is considered best in class."

The University of Nottingham is one of the premier Universities in the UK. Its history dates back to 1881, achieving Royal Charter in 1948. At the recent 2009 Royal Society for the Encouragement of Arts Design Directions awards (known as the Oscars of the design world) three of its students were awarded top places. The winning third and fourth year students are part of an innovative design course in the School of M3 (Mechanical, Materials and Manufacturing Engineering) at the University, all of which focuses on the use of Pro/ENGINEER. "The Product Design and Manufacture course takes a unique approach on helping students to come up with truly innovative designs," comments Harrison. "It was essential that they were using leading technology to give them the edge and the results are proof of that."

PTC's 10 year commitment to UK education and its 24 years of industry experience has provided a unique insight into the needs of both UK education and industry and recognised the importance and effectiveness of project based learning activities, both inside and outside the classroom. In increasing its commitment to education PTC is now offering every College and University student, enrolled at a College/University using Pro/ENGINEER University Edition, a free perpetual license of Pro/ENGINEER Wildfire Schools Edition. Please click here for more information.

Mr Richard Allan, Channel Business Development Director PTC said, "We are proud to contribute to the education of the next generation of highly skilled engineers who will continue to drive product development in the UK, and ensure our engineering industry continues to lead innovation."

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Renesas Technology Selects Synopsys Proteus OPC for 45-nm Node Production

25 August 2009

[Synopsys, Inc.](#) announced that Renesas Technology Corp., the world's No.1 supplier of microcontrollers and one of the world's premier semiconductor system solutions providers for mobile, automotive and PC/AV (Audio Visual) markets, has adopted Synopsys Proteus OPC for 45-nanometer (nm) production. With the introduction of 45-nm and below technologies, the demand for optical proximity correction (OPC) becomes greater due to design complexity and layer volume, making time to market and cost of ownership critical factors in OPC vendor selection. Proteus OPC is a cost-effective solution, since its highly scalable engine runs on standard hardware.

"At Renesas, we are faced with the challenge to tape out large volumes of 45-nm designs with severe schedule constraints," said Hitoshi Sugihara, department manager, DFM & Digital EDA Technology Dept., Design and Development Unit at Renesas Technology Corp. "We selected Proteus OPC since it meets our technology, schedule, and costs requirements. This decision will enable us to sustain our leadership in microcontrollers and semiconductor system solutions."

Proteus delivers near-linear scalability so that designers can efficiently utilize hundreds of cores, allowing them to balance turnaround-time with cost. Proteus is the only tool that enables users to effectively manage technology requirements, turnaround time and cost through the inclusion of both frequency- and space-domain simulation engines. With this capability, users can deploy the more accurate frequency-domain engine for the most critical layers and utilize the faster space-domain engine

for the non-critical layers. ProGen, Proteus' highly customizable solution calibrates a single model that is utilized by both the space- and frequency-domain engines.

"As a leading semiconductor system solutions provider focusing on cutting-edge designs, Renesas has a critical need for an OPC solution that reduces turnaround time and cost," said Howard Ko, senior vice president and general manager of the Silicon Engineering Group at Synopsys. "Renesas' adoption of Synopsys Proteus OPC is proof that Synopsys' technology is the best solution to address these advanced design requirements."

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3DVIA Composer Will Increase Komatsu Forest's Production Quality

20 August 2009

Umeå-based company Komatsu Forest, a logging manufacturer, has chosen Dassault Systèmes' 3DVIA Composer to facilitate its production process.

3DVIA Composer enables Komatsu Forest to easily create instruction movies in 3D, thus significantly improve the quality for the assembly of its machines, as well as saving money as fewer products will be recalled.

Komatsu Forest manufactures machinery under the mechanical forestry brand Valmet. In the factory in Umeå, production staff has so far only worked with two-dimensional images as the basis for the assembly work. Instead, the assembly line can use the instruction movies created in the visualization program 3DVIA Composer during the production process.

"It can be quite complicated to set up our machines. With moving images instead of the previous sketches on paper, the production process becomes much easier and leading to much better results", says Maria Larsson, CAD manager at Komatsu Forest.

Komatsu Forest uses 3DVIA Composer for assembly instructions, movies for the maintenance of machines and spare parts documentation. It is mainly to avoid assembly errors of the machines. Production work is complex and the company previously experienced challenges in getting a steady and high quality of assembly work. The investment in 3DVIA Composer pays off quickly by reducing the number of product returns.

Komatsu Forest already uses the Dassault Systèmes CAD program CATIA. They can re-use what is in CATIA directly in 3DVIA.

"We saw the direct benefits we may have of the program. [3DVIA](#) Composer is fully integrated with CATIA. Prototype work, where you still make several changes during their work, is much easier. Everyone who is involved has always access to the latest information," says Maria Larsson.

In the long term, Komatsu Forest see possibilities of using 3D movies to marketing materials, and also for the training of dealers and users. The next step is to also integrate this with the PLM system ENOVIA Smarteam.

The supplier of the solution is SYSteam, who also trained the users of Komatsu Forest.

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Tilera Adopts Broad Range of Cadence Solutions for Multicore Processor Design

25 August 2009

Cadence Design Systems, Inc. announced that fabless semiconductor company [Tilera Corporation](#) has utilized the full range of Cadence design technologies to develop its innovative, highly scalable multicore embedded processors.

As a startup with a need for both fast time to market and highly complex design capabilities, Tilera® immediately embraced the benefits of selecting a full suite of design automation tools from Cadence, including [Cadence® Encounter®](#) technology for digital implementation, synthesis, test and equivalence checking; [Incisive®](#) technology for verification; [Virtuoso®](#) technology for schematic editing, and [Allegro®](#) technology for HDL design entry, among others.

“Cadence has been a vital collaborator in the design of our high-performance, low-power TILEPro™ family of processors,” said John F. Brown III, Vice President of IC Engineering at Tilera. “The combination of their broad line of design, verification, and implementation software, design IP, and services delivered exactly what we needed to create the highest performance embedded processors. Cadence is our preferred design solution partner and our relationship continues to evolve and grow as we work on our next-generation projects.”

Tilera’s products developed using this environment include TILE64, TILEPro64, and TILEPro36 families of full-featured multicore processors spanning a range of processing and power requirements. With up to 64 complete cores on one chip, the design of these processors is among the most complex on the market today.

“At the outset, Tilera enlisted Cadence Services to help tune a design methodology that would reduce the overall project risk and assist them in implementing their multicore processor with incredible performance, power efficiency and programming flexibility characteristics,” said Vishal Kapoor, Marketing Director for Services at Cadence. “Through our collaboration, which included Design and Verification IP in addition to model development for packaging, Tilera was able to quickly come up to speed on the design methodology and, in short order, has developed and is shipping production units of three families of multicore processors designs. It’s a powerful testament to the flexibility and breadth of Cadence solutions.”

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XL Video Uses PTC® CoCreate® For Flexibility And Speed In Product Design

25 August 2009

[PTC®](#) announced that XL Video, international leader in video screen design and rental, creates its customized major event screens and transportation with PTC CoCreate®. CoCreate is PTC's explicit modeling and data management software that provides companies with a lightweight and flexible approach to designing products. XL Video created screens for the 2008 European Soccer Cup Championship, the 2008 Olympic Games in Beijing, nearly all Formula 1 Races and concert tours for pop stars including Robbie Williams, George Michael, U2 and Kylie Minogue.

XL Video has locations in Belgium, Germany, the United States, France and the Netherlands. Large scale projects and customized systems are developed at headquarters in Belgium and then built to order by local partners. XL Video not only builds rectilinear screens but also special shapes and designs such as the curved screens created for the Robbie Williams Close Encounters Tour and the fifty 2.100 mm

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diameter spheres created for the Emmy and MTV Awards shows. XL Video also rents screens for events such as trade shows, fashion shows and conferences.

Developing screens for such high-profile international events requires perfection in detail on often very tight, non-negotiable production schedules. XL Video first outsourced design jobs to its supplier, Espeel, who uses CoCreate Modeling. "To simplify the exchange of drawings and designs, we implemented CoCreate Modeling as well," said Andy Demeulenaere, design engineer at XL Video. "We found CoCreate so easy to use and so perfect for the creation of our customized products that we expanded our team and now design almost exclusively in-house, which is very efficient and provides us much more freedom. As a result, we can also grow our knowledge base very quickly, which in turn means we can be much more innovative."

The team meets customer-specific requirements by using CoCreate Modeling to modify an existing design. They then derive 2D drawings for suppliers. Design data is managed with CoCreate Model Manager™. "The XL Video design strategy is principally trial and error-based, which requires a flexible solution that allows for major unexpected changes at any time during the design process," said Demeulenaere. "CoCreate Modeling leaves us free to do what we want, which allows us to place our efforts into developing new products quickly. We are nearly always under intense time pressure, so that the ability to design rapidly, efficiently and flexibly in short cycles is crucial for our success."

Flexibility, profitability and speed are particularly important for us because we are growing rapidly - on average 25% per year," said Kristof Soreyn, technical director at XL Video. "Rapid growth demands considerable organization and resources. We couldn't imagine achieving and maintaining this level of expansion and success without CoCreate from PTC."

"CoCreate explicit modeling is a perfect fit for the design strategy requirements at XL Video," said Martin Neumueller, CoCreate product management director. "With the explicit modeling approach users quickly and easily create 3D designs and modify models through direct interaction with geometry. The lightweight and flexible approach is ideal for companies who create highly customized products."

About XL Video

XL Video was founded in 1996 as a tight collaborative arrangement between several companies in West Flanders, Belgium. Today the company employs ca. 250 people and achieves a group turnover of approximately 75 million euro per year. XL Video is the international market leader in video screen design and rental. The company is a supplier for the events market and concerts, creating special shapes and designs as well as rectilinear screens in any size. Some customers include Formel 1 Events, Olympic Games, Robbie Williams Close Encounters Tour, Emmy and MTV Awards.

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Product News

ANSYS and HBM-nCode Partner to Deliver Advanced Fatigue Capabilities

24 August 2009

ANSYS, Inc. announced that it has partnered with HBM-nCode to provide an embedded version of nCode DesignLife™ within the ANSYS® Workbench™ environment. This OEM agreement with HBM-nCode, a leading developer of fatigue analysis software, provides advanced fatigue capabilities within the open, flexible and CAD-integrated environment of ANSYS Workbench. As a result,

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engineers can efficiently apply ANSYS nCode DesignLife technology to help reduce product failure warranty claims and to improve product durability throughout its lifecycle.

Engineering simulation currently is being used to reduce initial product failures by providing more accurate stress analysis. "In most cases, today's designs survive the initial deployment," said Joe Solecki, vice president, physics business unit at ANSYS, Inc. "Since new products are, under ideal circumstances, optimized with regard to raw materials and manufacturing processes, this can affect their long-term durability; that is, consumers potentially use these products over longer periods -- and often in more rigorous environments -- than initially designed for." A product may meet initial loads, but in-field failure can occur over time from stresses including repeated loads, dynamic forces, and rapidly applied loads. "Advanced fatigue analysis can address these issues, even before a prototype is ever built. Through the partnership with HBM-nCode, ANSYS adds to its already unparalleled breadth and depth of mechanical simulation tools," Solecki added.

"For any company, the cost of in-service failures is enormous, and senior executives continually try to reduce warranty exposure," said Steve Tudberry, vice president of nCode Software Products for HBM. "With increased focus on the current economic climate, companies must continue to find ways to increase product sales, control costs or release funds from reserves such as warranty offsets. The ANSYS and HBM-nCode partnership provides this additional financial course of action for executives and creates additional value to the end customer. This new product offers a strategic and substantial benefit to our joint customers answering durability questions through high-end fatigue analysis capabilities."

The ANSYS nCode DesignLife family of products integrates advanced engineering simulation analysis and signal processing tools within a simple-to-use graphical workflow environment hosted inside the [ANSYS Workbench](#) platform. In addition to providing general stress-life and strain-life approaches, nCode DesignLife incorporates established methods for both spot and seam weld analysis. Vibration shaker tests can be directly simulated in the frequency domain. The product efficiently analyzes large finite element models and complete usage schedules. Fatigue material properties from the nCode DesignLife Material Library are available directly within the ANSYS Workbench environment, making fatigue analysis immediately accessible and providing a much larger material library to ANSYS Workbench users.

Hutchinson Industries, a U.S. manufacturer of vehicle mobility components such as runflat tires, has incorporated the nCode product into its design process. "Hutchinson looked at several life prediction technologies, and nCode had the best capability, features and ease-of-use that allowed easy integration into our existing ANSYS solution," said Jim Koniers, senior project engineer at Hutchinson Industries. "Overall, nCode was the best fit to provide the highest quality results."

About HBM-nCode

Established in 1982, nCode is a leading supplier of durability, test and analysis products to a range of markets including aerospace, automotive, defense, off-highway and wind energy. nCode's global team delivers expertise and solutions in test and measurement, operational monitoring and product design. The organization's software and solutions are part of HBM, a technology and market leader worldwide, offering products and services across the entire measurement spectrum, from virtual to physical.



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BlueCielo Releases InnoCielo Publisher 2009

26 August 2009

BlueCielo ECM Solutions announced that it has released InnoCielo Publisher 2009 – the latest version of the optional Publisher add-on for its ECM solution, InnoCielo Meridian Enterprise – which automates the rendering and publishing of engineering content.

In the publishing process, engineering documents are rendered into universally readable formats and stored in a target system, such as a Windows folder, an FTP site, Microsoft SharePoint, IBM FileNet, EMC Documentum, or InnoCielo Meridian Enterprise itself. InnoCielo Publisher and its relevant modules make it possible to automate the publishing process, triggered by predefined document lifecycle events or on an ad-hoc basis.

InnoCielo Publisher is used together with InnoCielo Meridian Enterprise by companies such as Areva T&D Systems, Huntsman, Johnson Controls, Pfizer, and Siemens in energy/utilities, manufacturing, oil and gas, petrochemical, pharmaceutical, and other vertical markets.

“InnoCielo Publisher is a useful extension to InnoCielo Meridian Enterprise which we currently use to manage about 280,000 technical documents. InnoCielo Publisher provides us with a standard approach to the high volume printing of our project documentation and integrates with our system to produce neutral PDFs for easy distribution,” comments Alan Painter, Business Manager - Secondary Systems, of AREVA T&D Systems, an industry leader in solutions for energy transmission and distribution. “With InnoCielo Meridian Enterprise at the front end, InnoCielo Publisher operates invisibly in the background and sends our publishing requirements to our servers in a wholly automated process, cutting out the need for manual, time-consuming effort.”

“InnoCielo Publisher and its modules make it much easier for organizations to distribute information to departments outside of engineering in neutral, accessible file formats. Approved documents are also available to collaboration partners at the right time through the right medium,” adds Martijn Janmaat, BlueCielo’s CEO. “With the entire information exchange process being automated, companies will experience benefits such as shorter turnaround times, greater efficiency and better protection of their intellectual property if external parties are involved.”

InnoCielo Publisher 2009 has been enhanced with the introduction of the following new modules:

- **Microsoft SharePoint Publishing module:** This module allows users to publish rendered and native content from InnoCielo Meridian Enterprise to Microsoft SharePoint Server 2007. Documents can be published to Document Libraries in Microsoft SharePoint, to a default folder location, or to a location calculated from properties or path. InnoCielo Meridian Enterprise properties can be mapped to SharePoint properties during this process.
- **IBM FileNet Publishing module:** This module allows users to publish rendered and native content from InnoCielo Meridian Enterprise to IBM FileNet Panagon Content Services 5.4 and 5.5 and IBM FileNet P8 4.0. Documents can be published to Object Stores in IBM FileNet, to a default folder location, or to a location calculated from properties or path. InnoCielo Meridian Enterprise properties can be mapped to FileNet properties during this process.
- **EMC Documentum Publishing module:** This module allows users to publish rendered and native content from InnoCielo Meridian Enterprise to EMC Documentum 5.3. Documents can be published to Docbases in EMC Documentum, to a default folder location, or to a location calculated from properties or path. InnoCielo Meridian Enterprise properties can be mapped to EMC Documentum properties

during this process.

InnoCielo Publisher 2009 also comes with several other enhancements. For example, it is now possible to publish specific document revisions instead of only the latest revision. Additionally, new options have been added to the Publish to Vault module that allow for the publication of document history and the synchronization of document status properties in the target and destination vaults.

For more information on InnoCielo Publisher 2009, please visit <http://www.bluecieloecm.com/products/icp>.

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COADE to Give Away Free CADWorx Software with New Licenses and Renewals

27 August 2009

COADE announced a CADWorx software giveaway beginning today and continuing through December 31, 2009, where customers who renew or purchase licenses for CADWorx Plant Professional and CADWorx P&ID Professional will receive free licenses for selected other CADWorx products. This special COADE offer is in response to the economic challenges facing its customers and others in the global marketplace as a means of helping them obtain critical software they need to do their jobs as well as to keep their software up-to-date.

Under this offer, those who renew maintenance or purchase CADWorx Plant Professional will receive a free copy of COADE CADWorx P&ID, a \$1,600 value. Those who renew maintenance or purchase CADWorx P&ID Professional will receive a free copy of COADE CADWorx Datasheets, a \$1,500 value.

COADE CADWorx P&ID has everything needed for the creation of process diagrams, providing standardization and higher quality output plus a user-modifiable symbol library. COADE CADWorx Datasheets, which includes both instrument and equipment modules, is a customizable utility for the generation of intelligent instrument and equipment datasheets. It can be used standalone or in conjunction with external databases, such as those linked to CADWorx P&ID Professional projects to provide bi-directional links to instrumentation and equipment tables.

More details on this offer are available by contacting sales@coade.com

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IBM, OSLC Promote Interoperability Across the Software Lifecycle

25 August 2009

IBM announced four IBM Rational products that are among the first to apply the new Change Management services developed by the Open Services for Lifecycle Collaboration (OSLC) initiative. As a founding member of the OSLC, IBM is working with an open community of software vendors, integrators and corporate software delivery teams to develop specifications that make it easier for development teams to use lifecycle tools in combination and more efficiently share information between systems.

The first OSLC specification on [Change Management](#) was published this summer. It defines a common set of services and formats for interacting with change management systems. Tools that use the new

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Change Management specification can more easily maintain tool integrations from different vendors and better manage the information contained within their change management systems. For example, a quality management tool can better integrate with a change management system to log and track software defects.

IBM is the first industry vendor to deliver products that implement the OSLC Change Management services. The interfaces are supported by the latest versions of [IBM Rational Team Concert](#) and [IBM Rational ClearQuest](#) software. A version for Rational (formerly Telelogic) Change is also due out in September. Additionally, [IBM Rational Quality Manager](#) and IBM Business Partner [Tasktop Technologies](#) use OSLC interfaces for integrations with Rational Team Concert, Rational ClearQuest and Rational Change.

OSLC represents a new approach for software vendors and the open source community to join together to answer industry demand for greater tool flexibility across the development lifecycle. Developers from more than 20 organizations have joined the effort, which became operational in late 2008. Members are involved in workgroups focused on developing specifications for all areas of development lifecycle including requirements management, quality management, software project management, architecture management and reporting.

"Software delivery teams rely on a range of tools from different industry sources to get their jobs done," said Martin Nally, chief technology officer, IBM Rational Software. "IBM did not hesitate to embrace the OSLC Change Management services in its Rational software development solutions because we recognize the tremendous potential of the industry coming together to agree on ways to integrate and share data between tools."

"OSLC is breaking down barriers and easing the pain and cost associated with ALM tool integration. Its open community and common integration approach is very appealing for a company like Tasktop that supports integrations with nearly three dozen change and task management systems," said Mik Kersten, CEO, Tasktop and leader of the Eclipse Mylyn Project. "OSLC helped us accomplish the integrations our customers demand for products such as IBM Rational ClearQuest, and we will continue to benefit from integrations with future OSLC-based services."

For more information on the Open Services Lifecycle Collaboration, visit <http://www.open-services.net>.

For more information on Jazz, visit www.jazz.net.

For more information on IBM Rational, visit <http://www.ibm.com/software/rational>.

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Lattice Technology Releases XVL Web Master Version 8.1

27 August 2009

Lattice Technology® announced Version 8.1 of its XVL Web Master application.

XVL Web Master takes 3D design data and publishes it into HTML format for immediate use on an internet or intranet. This tool uses pre-defined templates to allow technical illustrations, parts lists, animations, work instructions and the related 3D data to be rapidly published into HTML. XVL Web Master can be used as a stand-alone application or within an integrated workflow to allow the automated publishing of data within a PLM, ERP or other IT infrastructure.

This latest version of XVL Web Master delivers upgraded tools which allow part descriptions to be

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extracted from the 3D model and displayed in the HTML pages, directly related to the parts number and the 3D part itself.

The application will now also automatically arrange and display index or part numbers as part of the 3D technical illustration as it processes the 3D data and display process instructions in the HTML page without needing intermediate steps. Users of XVL Web Master 8.1 can also choose additional settings for how animations of the 3D data are displayed including being able to jump to the next animation in a process, play the entire process with the click of a button and automatic display of animation paths for the 3D parts.

"XVL Web Master delivers surprisingly easy ways to deliver 3D manufacturing data on the web, quite literally at the click of a button," said Sebastien Jame, Engineering Services Director, KVAL Inc., a manufacturer of door and woodwork processing machines. "Its use in our company means that we can deliver up-to-date information to both Support and the Shop Floor the minute it is completed by the engineering department."

XVL Web Master Version 8.1 is available to all maintenance customers now, and can be evaluated via registration at Lattice Technology's web site at: <http://www.lattice3d.com>

To understand more about the strategies and techniques for using 3D in a digital manufacturing strategy, Lattice Technology recently released a free downloadable e-book, 'Improving Lean Manufacturing Through 3D Data' by Dr. Hiroshi Toriya. The book delivers a series of case studies, survey data and information that help manufacturers understand how to take 3D out of the design stage and make it relevant to a lean manufacturing strategy. This book is available at Lattice Technology's web site at: http://www.lattice3d.com/book/index_1.html page.



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McLaren Software Announces Availability of Enterprise Engineer 3.6.2 Service Pack 3

27 August 2009

[McLaren Software](#) announced the general availability of Enterprise Engineer 3.6.2 SP3 from the 4th September 2009.

In addition to specific performance improvements Enterprise Engineer 3.6.2 SP3 includes 33 new features, 6 platform and application certifications, delivering improved performance, usability and deployability.

The incorporation of new streaming technology allows McLaren Work Manager users to interact immediately with search and browse results before the full results have been displayed. User actions can now be completed faster particularly where project or asset folders contain many hundreds or thousands of documents. The incorporation of document counters, progress bars, advanced folders, document filtering options, and import results location reporting provides increased visibility and simplified use of the overall system.

Behind the scenes, the improved server memory management and Reprographics Server add stability and robustness to support customer deployments of Enterprise Engineer TM extending to many thousands of users. Support for EMC Documentum™ 6.5 SP1, IBM FileNet P8™ 4.5, Windows Server TM 2008 are now included, with AutoCAD TM 2010 following shortly. Enterprise Engineer TM Client deployment has been improved to allow a single software update push (e.g. SMS) to simplify upgrades of existing installations.

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“Extensive feedback from the McLaren Customer Advisory Board has helped to shape the latest service pack release of Enterprise Engineer. With our customers under pressure to reduce the number of vendors and improve ROI from existing technology investments, we are seeing an increasing commitment to the Enterprise Engineer application suite. We are solving more business problems for more users and the performance and usability enhancements are a response to the increasing scale and criticality of customer deployments”. Commented Paul Muir CEO McLaren Software.

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Siemens PLM Software Launches New Offerings Focused on Productivity for Manufacturing Industry in Korea

24 August 2009

[Siemens PLM Software](#) announced a set of new and enhanced software tools aimed at boosting productivity for the local manufacturing industry. The company simultaneously launched the latest versions of both [Teamcenter](#)® software (Ver. 8) and [Tecnomatix](#)® software (Ver. 9), its comprehensive suite of digital manufacturing solutions in Korea.

In conjunction with the launch, Siemens PLM Software will host a webcast for current and future customers on Aug. 25 and 26 for the respective products, entitled ‘Innovation through Product Lifecycle Management (PLM) in Economic Meltdown’. The webcast will highlight new features and enhanced functionality that will help customers boost productivity in product development and production. For more information on joining the webcasts, please visit [here](#).

For more information on the new versions of Teamcenter and Tecnomatix please visit [Teamcenter 8 / Tecnomatix 9](#).

“In today’s difficult global economic climate it is more important than ever for product producing companies to elevate and optimize productivity,” said KR Kwon, vice president and managing director of Korea operations, Siemens PLM Software. “We are committed to helping our customers by responding to their business needs with the type of solutions that will help reduce costs, increase revenue and foster innovation.”

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Trimble Introduces Digital Pen Solutions Designed Specifically for the Construction Contractor

24 August 2009

[Trimble](#) introduced a family of Digital Pen Solutions for the construction industry. Designed specifically for the construction contractor, the Trimble Digital Pen Solutions provide the simplicity of working with pen and paper with easy conversion to digital data by using a dockable digital pen. Once digitized, the documents can be shared with project teams and designers to improve change documentation, track construction progress and reduce project risk. With immediate access to jobsite data, teams can keep projects on-track and minimize risks from poor documentation without the costs and delays of scanning and transcribing data from paper.

The announcement was made today at the Trimble Building Construction Boot Camp 2009, a field-based, hands-on training event for the building construction industry.

Ideal for superintendents, supervisors, engineers, foremen, safety inspectors, crew chiefs, detailers,

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construction managers and project managers, the Trimble Digital Pen Solutions allow project team members to simultaneously collect form and markup data using individual pens and print outs. Digital notes, sketches, data and markups can be aggregated into the original file, tracking data by user, pen and time. The digitized data can be pasted into emails or stored on centralized networks to consolidate and share information among teams.

The Trimble Digital Pen Solutions leverage the Capturx technology--a jobsite proven technology used by hundreds of organizations to automate paper-based data collection. A broad range of industries and agencies use Capturx products as natural interfaces into Microsoft Office and CAD systems through digital pens.

The Trimble family of Digital Pen Solutions for the contractor includes:

-- Trimble DPS200 Forms for Microsoft Office Excel - Users can create forms in Microsoft Excel, such as site inspection punch lists or percentage-of-completion reports, and print them on ordinary paper.

The handwritten data is immediately digitized and formatted back into the original Microsoft Excel fields for automated reporting and issue tracking.

-- Trimble DPS200 Markup for PDF - Users can print digitally-enabled designs, such as CAD documents and blueprints, on normal paper in small or large formats. Printed designs and as-builts can be marked-up and redlined in the field with a digital pen, which digitizes and uploads the data into the original Adobe PDF files. Teams can immediately track and share changes digitally without waiting or paying for data on paper to be sent or transcribed.

-- Trimble DPS100 for Microsoft Office OneNote - Users can automatically digitize handwritten notes and sketches captured in the all-weather notebook for easy sharing, storing, and searching through Microsoft Office OneNote.

"The Trimble Digital Pen Solutions further our commitment to provide construction customers with innovations to increase productivity," said Pat Bohle, general manager of Trimble's Building Construction Division. "These simple solutions work the way our customers work. They also seamlessly integrate changes and ensure more efficient collaboration so that design and building project teams can reach decisions faster."

Trimble Digital Pen Solutions are expected to be available during the third quarter of 2009 through Trimble's worldwide Building Construction Distribution Channel.

About Trimble's Building Construction Business

Trimble's Building Construction Division is a leading provider of productivity solutions for the building

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construction contractor. Trimble's solutions target site prep, general, concrete, mechanical, electrical and plumbing contractors on large and small commercial, industrial and residential jobsites. Trimble is focused on delivering solutions that tightly link office based process and information with the field crew--including taking Building Information Models (BIM) and other design data to the field for highly accurate positioning and layout of foundations and mechanical, electrical and plumbing systems. Trimble solutions provide a high-level of process and workflow integration from the design phase through to the finished project--delivering significant improvements in productivity throughout the building construction lifecycle.

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