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Acquisitions

Autodesk Completes Acquisition of Skymatter, Makers of Mudbox 3D Brush-based Modeling Software

16 October 2007

CIMdata PLM Industry Summary

Autodesk, Inc. has completed the acquisition of substantially all the assets of Skymatter Limited, the New Zealand-based, privately held developer of Mudbox 3D modeling software. On August 6, 2007, Autodesk announced an agreement to purchase Skymatter's assets. Terms of the transaction were not disclosed.

This acquisition expands Autodesk's offering for the film, television and game market segments, while providing additional growth opportunities for other design disciplines, such as 3D automotive and industrial design. Mudbox has shaped photorealistic creatures for the blockbuster film King Kong, as well as upcoming films The Golden Compass, Fred Claus and Inkheart.

"Mudbox is complementary to the Autodesk 3ds Max and Autodesk Maya software products, providing our customers with an additional suite of tools for modeling, prototyping and detailing," said Marc Petit, senior vice president, Autodesk Media & Entertainment. "When Mudbox launched two years ago, it became an overnight success in the media and entertainment industry. It has a powerful brush-based modeling workflow and is renowned for its robust toolset and user-friendliness, making digital sculpting easy for both traditional sculptors and digital artists. As part of the Autodesk product line, we plan to accelerate the pace of Mudbox innovation."

Skymatter founders Andrew Camenisch, Dave Cardwell and Tibor Madjar have joined Autodesk's Media & Entertainment business. Madjar commented, "Mudbox is a perfect fit within Autodesk. The company is in a unique position, providing the leading software for design and entertainment industries. Andrew, Dave and I look forward to scaling the growth of Mudbox with Autodesk. Our priority is to continue developing a standalone version of Mudbox. We will also work to achieve greater interoperability between the Mudbox toolset and 3ds Max and Maya."

For more information please visit <http://www.autodesk.com/skymatter>.

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Company News

ALGOR, Inc. Expands California Office for Enhanced Customer Service

17 October 2007

ALGOR, Inc. announced that its office in Santa Clarita, California, has expanded the staff and will now provide direct customer service to ALGOR users in California.

"This staff expansion adds years of practical experience in the computer-aided engineering industry and allows us to provide localized technical service as well as training and analysis services from our California office," said ALGOR Vice President of Operations Teresa Anania. "In addition to being served from our headquarters in Pittsburgh, California customers will also receive technical services directly from the Santa Clarita office."

ALGOR's finite element analysis (FEA) software features a single user interface, FEMPRO®, which provides direct CAD/CAE data exchange and full associativity with most CAD solid modelers. This allows engineers to simply choose the analysis tools they need, giving them access to ALGOR's wide range of simulation capabilities including linear and nonlinear static stress, Mechanical Event Simulation (MES) with linear and nonlinear material models, linear dynamics, steady-state and transient heat transfer, steady and unsteady fluid flow, electrostatics, fatigue, piping and full multiphysics.

CIMdata PLM Industry Summary

To contact the ALGOR California office, call 1.661.263.8085 (in USA or Canada, call 1.800.48.ALGOR) or fax 1.661.513.9805. For more information about ALGOR software, contact an ALGOR account manager or visit— <http://www.algor.com/>.

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Cadence Announces Academic Network to Promote Electronic Design Competency in Europe

17 October 2007

[Cadence Design Systems, GmbH](#) announced the formation of an academic network in Europe to promote the proliferation of leading-edge technologies and methodologies at universities renowned for their engineering and design excellence. This initiative will establish a knowledge network among selected European universities, research institutes, industry advisors and Cadence to facilitate the sharing of technology expertise in the areas of verification, design and implementation of microelectronic circuits.

Universities were selected with particular strengths and competencies in mind —such as analog mixed-signal, Radio Frequency (RF), and low power design, all of which have been identified as key challenges for the coming years by the electronics industry. Under the initiative, Cadence will provide software, training and design methodology instruction to each of the institutions. Trained on the latest techniques with leading-edge software, the universities will then share their knowledge with other academic and research institutions. Students from these universities will graduate with an in-depth knowledge of how to tackle the pressing design issues that the industry is facing, learned on the most advanced design automation products available today.

So far three universities have joined the network in lead roles: The University of Heidelberg will lead high-level verification methodology; the Technical University of Ilmenau will concentrate on RF design methodology; and the Albert-Ludwigs-University of Freiburg will be the lead university for analog mixed-signal methodology. Planning to join the initiative shortly are the Polytechnic University of Bucharest, Romania, the University of Bristol, UK, and the University of Pavia in Italy.

"Our high standards in teaching and research have led Cadence to select us to be the lead university for analog mixed-signal methodology," said Prof. Dr.-Ing. Yiannos Manoli, head of the Microelectronics Group at IMTEK, University of Freiburg and Director of HSG-IMIT. "The increasing demand for highly skilled graduates in microelectronic design requires a solid and broad theoretical knowledge combined with a practical skill set in state-of-the-art techniques. Being part of this network will enable us to instruct our students using leading-edge technology."

Sean Redmond, vice president, EMEA for Cadence, said: "With the increase in development of complex industrial electronic systems, our customers are finding that they need engineers with broad technology competence. This network provides an exchange platform for the industry, academia and Cadence to stimulate the use of leading-edge technology at these universities. We are enthusiastic about this initiative and believe that the broad portfolio of Cadence solutions provides a perfect instrument to transfer up-to-date design methodology."

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CIMdata PLM Industry Summary

Chip Estimate Launches IP Concierge™ Service; Designers Seeking IP Get Assistance in Locating Next Generation & Specialized IP Components

16 October 2007

Chip Estimate Corp. announced that it has launched IP Concierge™, a new service for users seeking semiconductor intellectual property (IP). This centralized service allows designers seeking IP at the ChipEstimate.com chip planning portal to connect with a network of leading IP suppliers with a single request. IP Concierge is being introduced to meet the needs of the design community to get information about IP that can be customized or is under development and is not yet publically available. This is a free service, and supplements the existing "self-serve" model of exploring the extensive IP catalog at ChipEstimate.com.

"With the addition of the new service, ChipEstimate.com users can make one request and are automatically connected with the IP suppliers most likely to be able to help them out," commented Casey Jones, VP Marketing for Chip Estimate. "IP Concierge helps manage the previously unwieldy task of finding next generation IP that will be available for a team's next design project."

ChipEstimate.com was launched in 2005 to provide comprehensive chip planning capabilities to the electronics community. In addition to the comprehensive IP catalog to explore, and the new IP Concierge service, designers can use the InCyte software available through the website to plan their next chip designs and explore die size, power, leakage and cost tradeoffs.

IP Concierge is available immediately, and can be accessed by visiting <http://www.chipestimate.com/>.

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Delcam Opens Professional Services Group Office in Netherlands

17 October 2007

Delcam has opened a new sales office in the Netherlands for its Professional Services Group. The Group undertakes larger consultancy projects for users of the company's comprehensive range of CAD/CAM software. It works with clients that use Delcam's software to improve their design and manufacturing processes, in particular those in the aerospace industry. Although based in the Netherlands, the new office will be responsible for promoting the Group's activities across northern Europe.

The Netherlands office will be run by Hans Kunen, who has more than twenty years' experience in marketing, product development and project management with a variety of machine tool and cutting tool companies. After graduating in mechanical engineering, Mr. Kunen started his career with machine-tool builder Unisign, where he supported customers across Europe, Asia and North America. In 1994, he moved into the cutting tool business, initially with Jabro Tools, and subsequently with Oude Reimer and Robbjack. With all three companies, Mr. Kunen was responsible for both the technical and commercial development of the European market.

"The Professional Services Group has been especially successful in winning projects from the aerospace industry in the UK, both from engine manufacturers and from companies that machine aerostructures, and we are looking to repeat that success across Europe" commented Delcam's European Business Development Director, Clive Martell. "Hans Kunen has both the technical and commercial skills needed to support our customers in their drive to improve their productivity and profitability. Equally important is that he has experience in dealing helping all types of organisations, from small and medium sized companies up to multinationals like Boeing and Airbus."

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Dr. Norbert Reimann Joins PACE as CEO

16 October 2007

Knowledge based engineering software provider PACE enhanced its management team with the addition of Dr. Norbert Reimann. The appointment of the former regional manager of LMS Germany adds further momentum to the company's movement towards global leadership in the KBE software market. As Chief Executive Officer, Dr. Reimann will steer PACE's continued expansion into vertical markets.

Dr. Reimann brings more than 20 years of sales, marketing and general management experience to PACE. Prior to his new position, Dr. Reimann played a key part in the growth of PLM/CAX companies like SDRC, Tecnomatix, MatrixOne and LMS. "We are privileged to have Dr. Reimann in our executive team and will greatly benefit from his market expertise and strong management skills," explained PACE managing partner Dr. Oliver Kranz.

Dr. Reimann enthusiastically embraces his new role as Chief Executive Officer: "It's very exciting to work with an emerging technology company like PACE. I am delighted to further build on PACE's management vision, innovative technology and dedicated team and extend the company's reach into new vertical markets and geographies", said Dr. Reimann. "We are well prepared to capitalize on the urgent demand for sophisticated engineering software tools. Developing new and enhanced products in ever shorter cycles is a competitive 'must' in the aerospace and automotive industries. Getting it right in the early design phases is critical and makes a strong argument for the brand of KBE technology offered by PACE."

Earlier this year, the company's expansion efforts were backed with a €3 million infusion of growth capital by high-tech investors eCAPITAL, Strategic European Technologies N.V. and VC Fonds Berlin. PACE's development strategy focuses on its flagship product Pacelab Suite, a software platform supporting the multidisciplinary design of highly engineered products. With an extended global sales and marketing operation, the company is committed to promoting the benefits of KBE to the aerospace and automotive industries and firmly establishing itself as a premier technology partner in these markets.

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Integware is Moving

12 October 2007

Integware has moved. The cause for the move comes after the recent double in the workforce during 2007. "We were literally bursting at the seams" said Chris Kay, Integware CEO. "We needed to think to the future, if we keep growing at this rate, it was inevitable that we were going to have to relocate soon" Kay continued.

Since 1996, Integware has occupied the same building located in Fort Collins, Co. They will not be moving far though. "It was extremely important to us to keep our headquarters in Fort Collins" stated Anton Angello, VP of Operations for Integware. "We are a product of the people of Fort Collins with most of our employees at one time or another coming out of Colorado State University, we wanted to stick to our roots" continued Angello. Although Integware has employees and partners around the world, a majority of their work product is currently created in Fort Collins.

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Integware will continue their global operations as usual and look forward to their continued growth in the future.

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LEDAS On-Line Solutions Simplify Parametric CAD Trainings

15 October 2007

LEDAS Ltd. (<http://www.ledas.com/>) in collaboration with Novosibirsk State Technical University (NSTU) introduces Flash LGS – as a school bench, helping students to learn parameterization paradigm for CAD needs.

In currently available CAD systems variational design is already widely used. However, traditionally parametric graphics design is area of heavy CAD applications. This makes parameterization learning quite difficult task, especially for CAD beginners. LEDAS offers an affordable and lighter approach – to use simple, yet functional enough drawing application, showing most of crucial aspects of parametric graphics design – the web-based Flash-LGS. The on-line demonstrator has simple intuitive user interface and provides an interactive access to functionality of LGS 2D solver, which is widely used in the development of two-dimensional drafting and sketching applications, vector graphics systems and geometric data exchange tools.

Flash-LGS purpose is to show flexibility and affordability of LGS parametric computational engine: from simplicity of solver incorporation into your applications and efficiency running them on wide range of hardware to effectiveness of parametric design approach in every day engineering work.

The first experience of Flash-LGS use in CAD training courses for student was performed in collaboration with Gas-dynamics department of NSTU. Even the very first lessons and practical works showed, that students learn basic ideas of parametric approach very quickly, even by those not having much experience in CAD drafting.

Alexey Vinogradov, NSTU professor assistant says: “After short introductions students have been through Flash-LGS tutorial within trainer little help, this took just around 40 minutes. Then they have accomplished on their own few simple projects. These tasks were preliminarily selected by trainer to show various geometric constraints and the under- and overdefined geometry. It is quite amazing how quickly they have understood parameterization ideas. Usually, with trainings based on professional CAD usage, it takes up to few weeks. Also, with this experience students become familiar with professional CAD systems much easier.”

About Flash-LGS

The system is organized as a client-server solution, so all computations are performed on LEDAS server

CIMdata PLM Industry Summary

side, while the on-line demonstrator interface is based on Adobe Flash engine. To run Flash LGS only you need is web-browser that supports Flash player. Therefore it can be run on any platform, which provides suitable Internet-browser: desktop or notebook PC, running any OS, pocket computer. User client performs as simple 2D editor. It allows to draw and amend basic geometry shapes, apply to them wide range of constrains and, so far create parametric sketches, amend them and promptly recalculate geometry according to settled parameters. The list of allowed constrains provides over dozen possible conditions, including nodes coincidence, circles coaxiality, parallel and perpendicular lines, angles fixation and many more. Once created sketch can be stored on server and loaded back at any time.

Flash LGS by its nature shows that application developer or young engineer does not need to be an graphics or math expert to be able understand parametric graphics software. Flash LGS itself is practical proof of LGS technological affordability.

If you become interested in this technology – there’s next step to deeper evaluation of Flash LGS solution, available on http://www.ledas.com/products/lgs2d/flash_lgs/.

About NSTU

Novosibirsk State Technical University is one of the largest research and educational centers of Russia, it was organized in August 1950, for many years it was known as Novosibirsk Institute of Electrical Engineering. In December 1992, Novosibirsk Institute of Electrical Engineering was renamed to Novosibirsk State Technical University (NSTU). Now the University has ten faculties and two institutes, 73 departments, two branches and nine NSTU representative offices. The total number of students is over 16 thousands. Detailed information about NSTU can be found at <http://www.nstu.ru/en/>

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SolidWorks Corporation Co-Founds ‘The CAD Academy’ to Nurture Future Engineers

15 October 2007

SolidWorks Corporation has teamed with other leading design software providers to launch The CAD Academy®, a secondary and post-secondary pre-engineering and pre-architectural program designed to inspire a new generation of engineers and architects at a price educators can afford. The program bundles industry-leading design, engineering, and architecture software with curriculum, support, and multimedia content, all at a fraction of the cost of other design education packages.

The CAD Academy software offering includes:

- SolidWorks® Education Edition 3D CAD software for product design and mechanical engineering;
- Graphisoft® ArchiCAD, a Building Information Modeling (BIM) software program for architectural modeling;
- Google™ SketchUp Pro, one of the simplest 3D design tools, with Podium photorealistic rendering;
- A+ CAD®, a proprietary The CAD Academy software product that uses the familiar AutoCAD® user interface, commands, applications, and compatibility “without the high cost”; and
- Discovery Channel® multimedia content, including excerpts from the “Extreme Engineering”

show.

“The CAD Academy is designed for school districts that need to increase opportunities for all students to apply math and science in relevant and compelling ways,” said Marie Planchard, SolidWorks director of worldwide education markets. “It’s a desperate need, as documented in ‘Rising Above the Gathering Storm’ and other studies showing that we in North America have a lot of ground to make up to sustain our competitiveness.”

“Rising Above the Gathering Storm” is a seminal National Academies of Science Report focusing on reclaiming U.S. advantages in the marketplace, science, and technology. It calls for a tripling of the number of students who pass advanced placement or similar math and science exams by 2010.

The [CAD Academy](#) addresses that need by helping middle and high school students in North America explore technology-oriented career paths through real-world projects that deepen understanding of science, engineering, architecture, and mathematics.

“The curriculum is thorough and the lessons are comprehensive,” said Rudy Aguilar, drafting instructor at Apollo High School, Glendale, Ariz.

The CAD Academy software suite is bundled with comprehensive curriculum resources that are approved by the American Design Drafting Association (ADDA). It covers architectural, mechanical engineering, and civil engineering design, and is structured to support both new and highly experienced instructors, even if they’ve already developed their own curriculum.

The mechanical engineering curriculum utilizes the “Engineering Drawing and Design” text by Madsen, Madsen & Turpin, as well as many e-resources that provide lesson plans, syllabi, PowerPoint presentations, a computerized test bank, drawing files, and animations. The material covers basic analysis principles for use with SolidWorks’ COSMOS® analysis software, which is included with [SolidWorks](#) Education Edition. Students emerge prepared to take the Certified SolidWorks Associate (CSWA) exam, demonstrating industry standard competencies in design and engineering principles.

For more information on The CAD Academy package, visit <http://www.thecadacademy.com/> or <http://www.solidworks.com/>.

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Yunique Solutions Taps Industry Veteran Simon Poulton

17 October 2007

[Yunique Solutions Inc.](#) announced that apparel industry veteran Simon Poulton has joined the company as Director of Sales. Poulton’s 30-year career comprises virtually every aspect of the fashion business including apparel sales, development and production management, retail ownership, and technology marketing.

Prior to joining Yunique Solutions, he served in senior technology sales and marketing roles with Visuality, Lectra, and Computer Design Inc.

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Events News

CoCreate Forum 2007 in Sindelfingen Draws Record Number

17 October 2007

CoCreate Software, Inc. announced another record-breaking Forum held October 9, 2007, in Sindelfingen, Germany. More than 360 participants from throughout Europe attended.

This event came just weeks after CoCreate sponsored a similar standing room-only event for the greater Asia Pacific region.

The CoCreate Forums for 2007, titled “Product Development Leadership with OneSpace,” delivered in depth information on how the CoCreate OneSpace Suite supports high-tech electronics and machinery companies in their daily work and how future versions will continue to support CoCreate customers.

In the European event, William M. Gascoigne, CoCreate’s CEO, kicked off the Forum with a talk about recent CoCreate trends. Among them, more than 55,000 users worldwide have downloaded CoCreate’s free 3D CAD software from CoCreate.com. He also described why CoCreate’s 3rd generation PLM (3G PLM), with its flexibility and easy integration into existing IT structures, makes so much sense for high-tech companies in the electronics and machinery industry.

Customer presentations punctuated Gascoignes’ 3G PLM message, showing how the CoCreate OneSpace Suite is indispensable for product development leadership.

Dr. Werner Dax from IST METZ and Heiko Richter from XENON shared the advantages of a Dynamic Modeling based approach for innovation, making design changes quickly, and reusing and repurposing parts. CEO Fabian Luccarini from E. Luterbach in Switzerland explained how his company uses the CoCreate OneSpace Suite throughout its 3D development process – from concept to manufacturing and delivery of the final product. Jürgen Hofmann from Hans Lingl showed that OneSpace Modeling’s history-free models perform impressively even with very large components. Eckard Kronmüller from the Optima Group and Lothar Kolm from Phoenix Contact gave high praise to the benefits of Model Manager for the efficient enterprise-wide exchange of development data.

Additionally, CoCreate R&D management introduced new features in the recently released version 15.50 as well as a few examples from projects for the 2008 CoCreate OneSpace Suite, scheduled to hit the market in spring.

Customers and participants used the breaks to visit exhibits provided by CoCreate partners and sponsors. Plus, many users exchanged information and shared experiences with one another.

Don Richardson, Director of Global Innovation and PLM Industry Strategy from Microsoft rounded out the program by explaining the importance of the strategic relationship between Microsoft and CoCreate. He described the close working relationship between both companies’ research and development teams and revealed how Microsoft products play an important role in the realization of CoCreate’s 3G PLM strategy.

Sponsors for the [CoCreate](#) Forum 2007 included Microsoft, Adequate Solutions, CADFEM, cfdesign and MSC.Software.

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CIMdata PLM Industry Summary

Dassault Systèmes Seminar Series to Focus on Building Collaboration Among Engineering, IT and Manufacturing for Better Product Design

18 October 2007

Dassault Systèmes (DS) announced a four-city North American seminar series on unifying engineering, IT and manufacturing into collaborative environments that yield innovative, high-quality products and shorter time to market.

The four seminars will instruct companies of any size how to use PLM processes to overcome collaboration barriers when product development teams use several different computer-aided design (CAD) applications. The seminars will feature DS customers, including Tesla Motors and Novabus, speaking on their experiences managing multi-CAD environments. Senior DS executives will describe the company's approach to the issue, in particular the ENOVIA SmarTeam product line and how customers are leveraging its multi-CAD capabilities.

The seminars are tailored toward product development IT, engineering, manufacturing, operations and management professionals in any industry. They will begin on Oct. 30 in Montreal and continue in Toronto on Nov. 1; Santa Clara, Calif., on Nov. 13; and Reston, Va., on Nov. 14.

"Most companies use at least two CAD solutions because in the early days of CAD it was common for departments to make independent buying decisions," said Kendall Pond, vice president, business development, Dassault Systèmes. "Those incumbent CAD systems house a lot of value and knowledge. With market dynamics rewarding companies that move quickly to develop and manufacture new products, companies have to find a way to make different teams using those various systems work as a unified whole."

For more information or to register for a seminar, please visit: <http://www.plmv5.com/executiveseminar>

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Gibbs and MAG Infimatic Controls Division Announces Strategic Partnership at EMO

17 October 2007

Gibbs and Associates, developer of GibbsCAM®, software for programming CNC machine tools, announced in conjunction with the MAG Infimatic Controls Division a new worldwide strategic partnership. A key component in the relationship is Infimatic offering Gibbs SFP (Shop Floor Programming) with the new line of MAG Infimatic open architecture, PC-based controls. The EMO tradeshow recently held in Hannover, Germany was the site of the European introduction of the new CNC controls with Gibbs SFP. The new MAG Infimatic CNC NC200™ controller line received considerable attention from industry press and show attendees, especially when running the sample parts programmed with Gibbs SFP.

"We are extremely pleased to have been picked by MAG Infimatic as their on-controller programming solution," states Robb Weinstein, Gibbs' Senior Vice-President of Sales and Strategic Planning. "Though Gibbs has worked closely with MAG Fadal and MAG Cincinnati Machine for many years, we did not take MAG Infimatic's selection for granted and neither did they. After an extensive evaluation, Gibbs SFP was selected."

Gibbs SFP's ease of use, ease of learning, and recognition as the industry standard for shop floor programming systems were key factors in its selection. Able to support programming wire frame

CIMdata PLM Industry Summary

geometry, the Gibbs SFP version bundled with the Infimatic controller can be upgraded to support programming of more complex parts including surface and solid models. A key advantage of Gibbs SFP is its complete compatibility with the GibbsCAM product line. Programs developed offline using GibbsCAM can be directly transferred to Gibbs SFP on the controller for review and easy modification. Changes made on the controller using Gibbs SFP can then be transferred back to GibbsCAM and referenced as shop-proven processes.

During the EMO show, Gibbs SFP was demonstrated both on free-standing Infimatic controls and also on a MAG Fadal VMC 4020 FX and a MAG Fadal VMC 2216 FX machine tools which were controlled by MAG Infimatic controllers. MAG Fadal is the first machine builder to adopt the new Infimatic controllers. Infimatic is working to also provide the controls for other MAG divisions as well as other independent machinery builders.

“Gibbs is excited that MAG/Fadal Division has elected to offer the new control with Fadal CNC machines,” states Robb Weinstein, “providing our mutual customers with a smooth transition path from the Fadal 32MP and 104D controls, which were previously used before the new Infimatic CNC controls and both of which bundled Gibbs SFP.”

For more information about GibbsCAM and Gibbs SFP, or to locate your local GibbsCAM Reseller, call 1-800-654-9399, email info@GibbsCAM.com, or visit the company’s web site at <http://www.gibbscam.com/>.

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GibbsCAM Demonstrated at Tornos Tech Days Event

15 October 2007

Gibbs and Associates announced that GibbsCAM will be demonstrated at the upcoming [Tornos Tech Days](#) event, held October 18th and 19th at Tornos’ facility in Lombard, Illinois. GibbsCAM has been certified by Tornos for their TB-DECO [a-line] single spindle Swiss machine tools. This certification resulted after a close collaboration between the two companies to ensure that GibbsCAM successfully generated part programs with zero errors. This event will be the official roll-out of GibbsCAM support of the Tornos TB-DECO [a-line] machine tools in the US.

“We worked closely with Tornos in the main corporate facility in Switzerland,” states Robb Weinstein, Gibbs’ Senior VP of Sales and Strategic Planning, “to ensure that GibbsCAM completely supported Tornos’ TB-DECO [a-line] machine tools. Their certification process was comprehensive and ensures that GibbsCAM meets the programming requirements of these special CNC machine tools.”

The close working relationship between Gibbs and Tornos facilitated special functionality specific to Tornos which makes the GibbsCAM solution for Tornos ideal for users. For example, when defining a new tool in GibbsCAM, a Tornos user will automatically get original TB-DECO Tornos recommended values for each tool type and depending on the machine type defined. Unlike other systems which require the user to enter in tool length data, tools are created in GibbsCAM with the TB-DECO recommended values. The GibbsCAM TB-DECO post for each unique machine model has error-free tool length data without requiring any changes to be made. Using standard values as defaults ensure that the resulting CNC program is error free; the potential for errors only exists when the user manually changes a tool value from the defaults. The system also provides a way to reset all the tool values back to their default with a simple reset.

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For more information about GibbsCAM and GibbsCAM MTM, or to locate your local GibbsCAM Reseller, go to <http://www.gibbscam.com/>, call 1-800-654-9399, or email <mailto:info@GibbsCAM.com>

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Infor to Showcase Expertise and Innovation at Inforum 2007 Central Europe

15 October 2007

Infor announced final plans for its annual user conference in Central Europe, Inforum 2007. The forum, addressing Infor's growing customer base in Germany, Austria and Switzerland, will be held November 14-15, at Unionhalle, Frankfurt respective Capitol, Offenbach.

True to the motto 'Be Enterprising', Infor provides insight and in-depth information on how customers can optimize their solutions to solve complex business challenges and empower their business. Six parallel tracks of educational sessions, a partner exhibition and a networking party are the building blocks of the two-day event, planned as the biggest Central European conference ever.

Kicking off with an evening event at 6:30 p.m., the Unionhalle in Frankfurt will host Inforum's partner exhibition, giving customers the opportunity to learn about third party solutions extending Infor's product portfolio. Gold partners are d.velop, a provider of solutions for digital business process optimization based on the integral archive-, document- and workflow-management system d.3, and xPLM, an expert for planning and implementing PLM initiatives as well as ERP, CAD, CRM, and office projects. Silver partners are Aruba, Aptus, Babtec, Bridgelogix, entiac, Fritz & Macziol, Hansalog, Intermate, HP, L-Mobile, ProCAD, StreamServe, and Wnet.

At Inforum 2007 attendees can connect with peers, partners and Infor representatives to discuss experiences and best practices for their business.

Day two of Inforum 2007 Central Europe starts at 8:30 a.m. at the Capital in Offenbach. Chairman and CEO Jim Schaper will hold the keynote, revealing Infor's future plans for enterprising companies. Chief Technology Officer Bruce Gordon will then introduce latest developments on Infor Open SOA, the company's service-oriented architecture strategy. Gordon's technology presentation will show how Infor Open SOA provides solution interoperability, innovation and evolution across all product lines, including the near-term plan for enablement of solutions, and how to take advantage of this framework that offers business innovation without disruption.

Led by customers, partners and Infor representatives, Inforum attendees will then be able to choose from six parallel tracks of educational sessions on topics such as best practices, tips and techniques, product seminars, and business strategy. The sessions focus on discrete manufacturing, process manufacturing, automotive industry and performance management issues, covering the most implemented Infor solutions in Central Europe, including Infor ERP COM, Infor ERP LN, Infor ERP Xpert, Infor Process Essentials, and Infor Performance Management. Next to the break-out sessions, Infor offers roundtables discussing various product and market related issues such as roadmaps for Infor ERP Baan, Infor ERP System 21 and Infor ERP XA users as well as for Financial Management System customers.

Inforum 2007 Central Europe highlights Infor's commitment to enrich the value of customers' current investment in Infor solutions, extend the solutions footprint to address new and additional business challenges and evolve Infor products with business and technology innovations in an incremental, non-disruptive manner.

"This year's Inforum Central Europe will be the biggest customer event for Germany, Austria and

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Switzerland in the company's history. Over the last few years, Inforum Central Europe has proven its value to customers, partners and Infor as a platform for sharing insight and ideas." says Hermann Stehlik, Vice President Marketing EMEA. "Attendees learn about new business opportunities, collaborate on Infor's business-specific solutions, and get the inside story on the latest product roadmaps for their solutions."

For more information regarding the conference and to register visit http://www.infor-marketing.com/inforum_2007/

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Lectra Showcased its Offering Dedicated to the Automotive Market at the "Lectra World 2007 for Automotive" in China

17 October 2007

The latest installment of the Lectra World 2007 for Automotive congress was held in Shanghai, China on September 24-25. Following up on the first congress, held in Bordeaux, France, in March, some 200 additional customers from the Asia-Pacific region were able to discover the full range of Lectra's latest offering dedicated to the automotive market.

"China's automotive industry is developing rapidly, and we are pleased to offer our customers this opportunity to learn about Lectra's newest technologies for this sector," said Bob Agnes, President of Lectra Asia-Pacific. "We work closely with our customers, providing them with innovative solutions that enable them to boost their productivity, flexibility and profitability."

Focus on innovative technologies

DesignConcept Auto, the first 3D/2D software solution entirely dedicated to the automotive market, provides realistic virtual simulations to facilitate the analysis of finished product quality and estimate costs. It enables companies to explore a multitude of creative paths for the development of auto interior components, and make key decisions in the product development phase and thereby minimize manufacturing costs.

The new generation VectorAuto automated cutting solutions provide a response to the needs of automotive manufacturers and subcontractors, including optimization of productivity and quality, reduction of costs, and improved process flexibility and reliability. The system's on-board intelligence provides a revolutionary response to manufacturers' demands for reliable solutions in a context in which delays are heavily penalized.

Lectra's MFC Leather Auto cutting solution provides extremely high cutting quality and process repeatability. It optimizes material utilization, automatically scanning leather hides with an integrated camera to instantly identify quality zones.

The FocusAirbag laser cutting solution optimizes manufacturing processes to guarantee increased productivity and substantial material savings. Its new operating software provides a more effective tool path, and traceability is ensured through detailed activity reports. The solution's new vision system automatically scans and analyzes the material, taking account of the geometry of the components, the position of the airbag, and any possible distortions.

Focus on customers

The congress also provided guests with a tour of Lectra's Shanghai International Advanced Technology

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Center (IATC), as well as a visit to local [Lectra](#) customers Tachi-S Taicang (car seat specialist), which is equipped with two VectorAuto cutters, and airbag specialist Automotive Safety Components International (ASCI), which is equipped with two Focus laser cutting systems.

“We have invested in two FocusAirbag solutions since 2003,” explained Mr. Shen, Vice President of the Jinheng Automotive Safety System Company. “They deliver incredible productivity and high quality of cut pieces, helping us to satisfy our demanding customers.”

“The Faurecia group has worked with Lectra's technologies for years,” said Xinghai Mai, General Manager of Faurecia Shanghai. “We have been operating a Vector automated cutter in our Shanghai facility since this spring, and we're very satisfied with its productivity and efficiency.”

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Open Text Conference Defines How the Content Management Revolution is Driving Business Value

15 October 2007

The future of enterprise content management (ECM) software and its growing importance in the information strategies of the world's largest organizations will be central themes of Open Text's™ LiveLinkUp 2007 Conference. The event will be held October 22-26 in Orlando, Florida.

The event will address the challenges and opportunities for customers as ECM undergoes a revolution that is redefining the way it will deliver value for organizations in the years to come. Analyst reports predict strong growth in ECM at almost 13 percent, and CIOs now view ECM as key to their overall information strategies. Meanwhile, major trends such as industry consolidation and the increasing maturity of solutions present new options for customers. Key to this are the strategies companies need to develop for a more comprehensive, enterprise-wide approach to managing the exploding volume of business information, and how these strategies can add value in organizations by improving business processes and productivity.

Keynote speakers for the event will include Accenture's Royce Bell and Open Text's Tom Jenkins, both leading experts on information and content management. Mr. Bell, Chief Executive Officer of Accenture Information Management Services, has more than 23 years experience in management consulting, technology and outsourcing services. Mr. Bell brings tremendous vision and business know-how gained through his work with major multinationals, and major government institutions. Mr. Jenkins, Open Text's Executive Chairman and Chief Strategy Officer, has played a key role in the development of key component technologies that make up ECM, including one of the first internet search engines used by Netscape®, Yahoo!® and IBM®; and the first Internet-based systems for document management, workflow, portals and online meetings. Mr. Jenkins has also co-authored three books on ECM (<http://www.opentext.com/corporate/ecm-book.html>). The executive presentations will form the basis of a forthcoming joint white paper by Open Text and Accenture to be released after the conference.

LiveLinkUp 2007

With the theme Architecting Value, LiveLinkUp 2007 will bring together industry experts and executives from some of the world's largest organizations deploying the latest ECM solutions to share their expertise and best practices. The event will explore how ECM adds value by providing critical support to the key processes that drive organizations, improving the flow of information and providing the structure to manage content efficiently to improve operations, reduce costs and meet compliance mandates.

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LiveLinkUp 2007 will feature 125 educational sessions -- technical breakouts, customer case studies, best practice sessions; industry-focused sessions for financial services, government, energy and life sciences; and conference-within-a-conference programs for customers using specific Open Text products.

More than 30 partners will exhibit at LiveLinkUp, including the event's major sponsors -- Accenture, Microsoft, SAP and Sun Microsystems. Open Text will also hold a Partner Day, where partners will have a chance to meet with Open Text executives and network with peers. Open Text will also present its annual Partner Awards.

"LiveLinkUp 2007 will offer customers a powerful vision of where ECM is going and how it can bring value to their organizations," said John Shackleton, President and Chief Executive Officer of Open Text. "As the largest company in the world focused exclusively on ECM, we are in a unique position to drive thought leadership in the market and advance ECM best practices that will ultimately support the needs of our customers. That's the real goal of LiveLinkUp 2007 and the value of the event for attendees."

2007 GlobalStar Enterprise Awards Finalists

Open Text will also recognize its 2007 GlobalStar Enterprise Award nominees and announce a single winner. Finalists were chosen for having comprehensive solutions with visible value to their organizations. This year's finalists are 46th Test Wing, U.S. Air Force, Eglin Air Force Base; bioMerieux; Central Arizona Project; Developers Diversified Realty; the European Court of Human Rights; Genzyme; Salford City Council; Solihull Metropolitan Borough Council; T-Systems; Transamerica Reinsurance; and Tronox.

For more information on LiveLinkUp 2007, go to: <http://livelinkup.opentext.com/orlando/2007/>

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ProSTEP iViP Science Days 2007; Breaking new grounds – networked

October 2007

The ProSTEP iViP Science Days 2007 held on September 25 and 26 in Bremen under the motto 'Integrated Engineering – From Patchwork to Network' sent a clear message: the association of scientists and researchers from universities, institutes and industry within ProSTEP iViP wants to strengthen the ties of the network, in order to give new impulses or initiate new developments, where available methods, technologies and tools come to their limits.

In his welcoming speech Professor Martin Eigner from the Technical University Kaiserslautern already drew the visionary arch, which gained momentum during the 2-day event and hit its peak with an interesting proposal for a major project: in spite of the enormous progress made on the way from the first CAD employment to today's product creation process, using a broad range of IT-applications, important goals which the association had set at the time of its foundation have not been achieved. What are the core requirements we will be facing? Where do we have to look for solutions? Which stage of development is our next goal? What are the ways to reach that goal? These were the questions that almost 100 participants from all over Europe were discussing in 21 speeches and 2 workshops.

Dr. Archim Heimann, head of research at SAP focusing on PLM (Product Lifecycle Management), reported on an unusual approach: instead of concentrating with PLM on the question, how the knowledge and the data of very different disciplines could be integrated on the basis of pre-defined models – as it has been done so far – emphasis is now put on common semantics. SAP's vision of the

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next generation PLM is an “Internet of Things and Services“. There SAP is counting on the communities, which are building up over the interactive Web 2.0, and is in this context partner of the research program Theseus, that was initiated by the German Federal Ministry of Economics and Technology (BMWi) to develop an Internet-based knowledge infrastructure.

Claude Houellebecq, Renault, and Vittorio Romagnoli, formerly manager at FIAT, took a look at the current situation from the perspective of 1995. At that time clear conceptions had been formulated in the framework of the European project Advanced Information Technologies (AIT) on how the Digital Mock-up (DMU) was supposed to help with the interdisciplinary development of complex products. It was interesting to see on the one hand the historic slides, showing the substantial progress IT has made since then. On the other hand it was impressive, how precisely some of the requirements that are still on the agenda today were already formulated more than 10 years ago. The DMU – that was the goal – has to contain all the functions, that are important for development, design, production and customer service. It is meant to provide the basis for communication between all participants and to serve the decision-making on all levels.

The referees analysed the processes of engineering, organization and communication from totally different points of view, not restricting themselves at all to the area of technique and technology. The human factor, the cultural and psychological aspects of worldwide collaboration in development projects, the early identification of appropriate partners for consortiums, and over and over: the search for PLM-specific semantics, which should assist in deploying the latest Internet-technologies for engineering processes – it became clear that the association is facing the challenge of producing new ideas on their own initiative.

Professor Martin Eigner used his keynote at the end of the second day to submit an interesting proposal. He recalled the lead project Integrated Virtual Product Creation (iViP) from 1998, which was successfully implemented and finally lead to part of today’s association name. “The research institutes organized in the ProSTEP iViP Association collected in a brainstorming over the last months first ideas, which are supposed to result in another major research project. All members are now invited to participate in the further preparation of this project proposal.“

When Prof. Eigner presented the brainstorming results, it sounded as if he was reviewing one by one all the important potential solutions that were discussed during this year’s Science Days event: Five core areas emerged: 1. Expansion of the methodology to develop intelligent IT utilization for a functional and interdisciplinary model. 2. Possibility to rely already in the early conception phase on a dynamic DMU 3. Better support of the planning- and decision phase and the documentation of the decision processes during product development. 4. Development of methods and tools able to analyse human factors in the development process. 5. Definition of clear requirements for the next generation of CAD and PDM systems. Professor Eigner: “We need a holistic approach which takes into consideration methods, processes, IT solutions and technologies at the same time.”

The results of the concluding podium discussion on this proposal of the research community in the ProSTEP iViP Association were summarized by Prof. Eigner as follows: “We have to learn, to act as a network and not as individuals. This goal can be achieved, for example, with a research project, that helps to channel public funds into new assignments of tasks that are meaningful and really useful for the industry.”

The ProSTEP iViP Association is an international branch-specific community comprising leading companies in the automotive and aerospace industries, system vendors and research institutes. The aim of the ProSTEP iViP Association is to find solutions for the challenges facing the manufacturing

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industry as a result of networked collaboration in a worldwide development network. Further information is at <http://www.prostep.org/>.

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SAP CEO Kagermann Tells Developers Enterprise SOA Delivered, Outlines Great Opportunities to Engage, Contribute and Make Significant Impact

17 October 2007

Standing before 4,000 developers, partners and customers, Henning Kagermann, CEO, SAP AG and Klaus Kreplin, corporate officer and member of the Executive Council, head of SAP NetWeaver Technology, spoke about the power that enterprise service-oriented architecture (enterprise SOA) has brought to the market and how hundreds of thousands of developers are better positioned than ever to create the next generation of innovative solutions because of SAP's leadership. Kagermann and Kreplin described SAP's commitment to delivering continuous innovation to the market, with enterprise SOA-enabled offerings based on the solid foundation of SAP's business process platform and the SAP NetWeaver® technology platform that are fully available to the market today.

Kagermann and Kreplin emphasized how SAP's heritage of business process expertise coupled with the delivery of business process platforms for industries has made the company's value proposition more compelling than ever. The keynote presentations were made at SAP® TechEd '07, SAP's largest ecosystem education event, being held in Munich, Germany, Oct. 17 - 19, 2007.

Henning Kagermann: Enterprise SOA -- Put the Power to Work Today

Henning Kagermann kicked off the 11th annual SAP TechEd by discussing the next major business trend in the industry -- business network transformation. First discussed by Kagermann in his keynote address in April this year at SAPPHIRE® '07, SAP's customer conference, this movement is coming from the drive by companies to build a network of trading partners, customers and suppliers to leverage best thinking, make best use of existing resources, stimulate co-innovation, accelerate product innovation, quicken delivery of products and introduce services based on the evolving needs of their customers to gain significant competitive advantage. SAP is helping customers understand and optimize their business processes in real-time as they realign their business networks and leverage a strong IT infrastructure to support the interconnections of those networks. Kagermann explained to the SAP TechEd audience that a solid enterprise SOA foundation is a fundamental requirement to fully engage in business network transformation.

Highlighting his company's success at delivering on its commitment to offer the full SAP® Business Suite on enterprise SOA in 2007, Kagermann explained to SAP TechEd attendees how business network transformation requires accelerating innovation. At the same time, he said, customers want a stable core for their mission-critical applications. SAP delivers on these requirements by providing continuous innovation via enhancement packages on top of the stable enterprise resource planning (ERP) core -- an industry-first approach. Kagermann also outlined the benefits of the latest version of SAP NetWeaver, which allows companies to achieve even faster innovation while leaving the current version of SAP applications unchanged.

"SAP has the right vision for companies of all sizes, delivering open, flexible solutions that help businesses connect to efficient global networks and gain competitive advantage," said Kagermann. "There are many powerful arguments for companies to make the transition to enterprise SOA today -- flexibility, innovation and agility among them. At the same time, as businesses look to deepen their

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networks of trading partners, a strong foundation like the SAP platform provides the assurance that companies can best take advantage of true business network transformation. This approach is not some future vision or promise: it is fully available from SAP today."

Klaus Kreplin -- Unleash the Power of Enterprise SOA Today

Klaus Kreplin told SAP TechEd attendees how they can exploit the promise of enterprise SOA because SAP has now provided all of the building blocks: standardized, ready-to-run enterprise services, an established common language of business and the SAP NetWeaver Composition Environment (SAP NetWeaver CE) to flexibly extend the Business Suite applications. SAP has fully established enterprise SOA by evolution in the large enterprise space through its SAP® ERP and SAP Business Suite applications, as evidenced by the record numbers of customers running SAP NetWeaver and migrating to the latest versions of its business solutions. And, in the mid-market, the company's introduction of a complete on-demand business software solution, SAP® Business ByDesign™, provides an immediate path to fully leverage enterprise SOA, along with the already successful SAP® Business All-in-One solution -- all built on a common technology platform.

SAP is fostering business networking through enterprise SOA and a business process platform. The four elements of SAP's business process platform are available today: the new SAP NetWeaver® Composition Environment to plan and build flexible and innovative business processes; process components that implement those services in a reusable fashion; the new Enterprise Services Repository with business semantics going above and beyond simple registry capabilities; and an integration platform to integrate and run service-enabled business applications. The innovations available within the SAP NetWeaver technology platform today help establish a strategic platform that fuels business process innovation without disruption for existing applications and at the same time keeps up with the speed of change required by businesses.

To tackle SOA challenges like flexibility, productivity, and integrity, customers can now leverage the new SAP NetWeaver CE to compose processes across systems' and organizational boundaries, and extend industry processes to collaborate across companies. Developers gain significant productivity increases, as they can now access all development artifacts from one view, while gaining full development and lifecycle support. SAP NetWeaver CE combined with the Enterprise Services Repository supports customers in their efforts to innovate without disruption on top of a stable core.

Klaus Kreplin continued by explaining how business process management (BPM), standards-based modeling with deep semantic integration, generated process flow models, and human interaction management, will be embedded in SAP NetWeaver CE. Extending its footprint into the BPM market, SAP will use the technology offerings from YASU Technologies to enable SAP customers to consistently apply business rules to their business processes across heterogeneous computing environments.

"Tens of thousands of companies are leveraging SAP NetWeaver as their platform of choice to integrate SAP and non-SAP applications," said Kreplin. "In this consolidating marketplace, customers are showing a clear preference: to integrate their heterogeneous application landscape on the same platform that also runs their mission-critical SAP applications."

Kreplin urged SAP TechEd attendees to gain the skills and credentials to help their companies and clients be ready to take full advantage of the power of enterprise SOA. He suggested developers be prepared for the innovation, flexibility and agility of enterprise SOA that is available from SAP today.

Kreplin cited the massive adoption numbers of enterprise SOA solutions from SAP, as well as the

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strength of the SAP Developer Network (SDN) community, as some of the reasons why SAP continues to win in the marketplace. SAP has more than 13,000(1) SAP NetWeaver customers, with more than 18,000 productive systems and over 900,000 contributing SDN community members. SAP continues to make it easier for developers to engage with SAP solutions and recently announced that the company will offer individual developer licenses for SAP NetWeaver through its online community (see Oct. 2, 2007 press release titled, "[SAP Offers Individual Developer Licenses for SAP NetWeaver Through Online Communities](#)").

SAP® TechEd '07 in Las Vegas, Munich, Shanghai and Bangalore

More than 15,000 SAP customers, partners and technical experts are convening at SAP® TechEd '07 to learn how to transform existing business processes and IT landscapes and take advantage of the power and flexibility of enterprise service-oriented architecture. Celebrating its 11th anniversary, SAP's largest ecosystem education event of the year offers more than 1,000 hours of lecture-driven and hands-on sessions. SAP TechEd is being held in Las Vegas on October 1-5, Munich on October 17-19, Shanghai on November 6-7 and Bangalore on November 28-30. For more information, please visit <http://www.sapteched.com/>.

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Sequence to Host DFP Seminar November 8th in Japan

14 October 2007

Sequence Design will host its fifth low-power design seminar in Tokyo on Thursday, Nov. 8, 2007, from 12:50pm to 5:30pm at Tokyo's Akihabara Convention Hall. This event is co-sponsored by Sequence Design, AMD Japan, Cadence Design Systems Japan, NEC System Technologies, and HP Japan. Japanese chip designers in power-sensitive markets are encouraged to attend by contacting Sequence Japan at: <mailto:hishikawa@sequencedesign.com>, or registering online at <http://www.sequencedesign.com/dfp2007jp/dfp2007.htm>.

The seminar focuses on reducing and managing power throughout the design flow.

Agenda

Sequence Design's President and CEO, Vic Kulkarni, will open the seminar with a corporate update and product strategy overview.

Keynote Speech: Dr. Kimiyoshi Usami, a professor at Shibaura Institute of Technology, will speak on "Technology Trends in Low Power Design for SoCs."

Fumihiko Minami, Group Manager of Toshiba Microelectronics Corporation will describe "How to Establish Appropriate Power Analysis Environments for SoCs."

Karthikeyan, G.T., Senior Component Design Engineer, Intel Technology India Pvt. Ltd. will present on "Platform Level Power Simulation and Modeling Flow Using PowerTheater."

Satoshi Kojima, Technical Marketing Director from NEC System Technologies, Ltd., will describe "Positioning of CyberWorkBench in ESL Design and its Roadmap."

Sadao Suzuki, Sr. Technical Marketing Manager from Cadence Design Systems, Japan will present "Advanced Low Power Design with CPF."

Hiroyuki Amano, Senior Manager, AMD Japan Ltd. will deliver the latest Opteron processor technology

which supports HP server and workstation platforms.

Tom Miller, VP and GM at Sequence Design, will discuss Low Power Design and Optimization using Sequence products.

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Submit a Presentation to Speak at the 2008 COE Annual Conference

October 2007

Share Your Dassault Systèmes Product Knowledge and Become a Speaker at the COE 2008 Annual PLM Conference & TechniFair.

The success of all COE events is based on the advanced knowledge sharing between COE members. If you are interested in becoming a speaker at next year's COE Annual Conference, submit an abstract of your presentation for consideration by the Conference Planning Committee by **Friday, November 2, 2007**.

[Learn more about becoming a speaker](#)

COE Annual Conference Program Hot Topics

The COE 2008 Annual PLM Conference & TechniFair program is carefully developed by ensuring that all content presented at the conference maps back to the most pressing PLM business issues ([hot topics](#)) of the day. These issues, as identified by the Conference Committee Chairmen and the COE Board of Directors, are as follows:

- Collaboration
- Implementing PLM, Success and Lessons Learned
- PLM Legacy Data
- Working in Heterogeneous PLM Environment

Visit <http://www.coe.org/> in the coming weeks for the most up-to-date conference information.

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Synopsys EDA Interoperability Forum to Feature Michael Keating Keynote on Low Power Methodology

18 October 2007

Forum also includes a live product demonstration of tool interoperability by IPL members and first public presentation of SOI Industry Consortium

Synopsys, Inc. announced that its 20th electronic design automation (EDA) Interoperability Developers' Forum will feature keynote speaker Michael Keating, Synopsys Fellow and lead author of the recently released "Low Power Methodology Manual" (LPMM).

"Low power design has become a central issue for the entire industry," said Mr. Keating. "Establishing a common methodology for developing low-power chips from the architectural level to delivered silicon can be of enormous value to the entire design community. Many of the basic low power design techniques are rapidly converging so a single, consistent, automation-friendly methodology is possible."

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What: The Interoperability Developers' Forum is intended to provide an open environment for EDA tool developers, IC design engineers and IP providers to discuss the industry-critical topic of interoperability. The October 2007 Forum focuses on the latest developments in EDA standards including Unified Power Format (UPF), the Interoperable PCell Libraries (IPL) initiative and the Verification Methodology Manual (VMM).

General Session:

In addition to the keynote presentation, the Forum's General Session showcases the first public presentation on the SOI Industry Consortium which is focused on promoting the benefits and adoption of silicon-on-insulator (SOI) technology. The event will also feature a low power/UPF checklist based on the open-source Liberty™ library format and an update on the Liberty Technical Advisory Board.

Morning Session One:

"Interoperability of Analog/Full-Custom Flows" features the latest IPL updates that address broad interoperability issues in analog and full-custom design flows and foundry process design kits (PDKs). Six IPL member companies will demonstrate products interoperating using the proof of concept IPL and OpenAccess Analog Symbol Library in real time. After the session, attendees are invited to join representatives from the IPL member companies for a continued technical discussion over lunch.

Morning Session Two:

"Integrating with VMM Methodology for SystemVerilog," focuses on verification. Novas Software presents its Verdi product integration with VMM and how designers have benefited from this methodology. Details about Synopsys' recently announced VMM Catalyst Program which promotes the development and use of EDA tools, verification IP, training and services supporting the VMM verification methodology are discussed as well.

Afternoon Session:

"The Power of One: UPF on the Path to IEEE Ratification," focuses on the Unified Power Format (UPF). UPF is the low power standard for IC design and verification. Following its approval as an Accellera standard, UPF has moved on to the next level of standards credibility as the basis for the IEEE P1801 low power standard. Forum participants can hear customers discuss their views about this standard, listen to EDA and IP companies present their support for UPF and P1801, and ask questions about implementation.

"As SoC design and manufacturing become more and more complex, the development and wide-spread support of industry standards becomes a vital link in addressing the needs of IC designers," said Rich Goldman, vice president of Strategic Market Development at Synopsys. "This Forum demonstrates Synopsys' continued commitment to interoperability and we are pleased so many of our competitors are joining us to support open communication in standards development."

When: The event will take place Thursday, October 25th in Santa Clara, Calif. and is open to all who wish to attend at no cost.

Where: The Forum will be held at the Sun Conference Center at Agnews Historic Park in Santa Clara, Calif. from 9:00am to 4:30pm. For more information, directions, and to register, visit:

<http://synopsys.com/news/events/devforums/2007/oct/index.html>

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Financial News

IBM Reports 2007 Third-Quarter Results

16 October 2007

IBM announced third-quarter 2007 diluted earnings of \$1.68 per share from continuing operations compared with diluted earnings of \$1.45 per share in the third quarter of 2006, an increase of 16 percent as reported. Third-quarter income from continuing operations was \$2.4 billion compared with \$2.2 billion in the third quarter of 2006, an increase of 6 percent. Total revenues for the third quarter of 2007 of \$24.1 billion increased 7 percent (3 percent, adjusting for currency) from the third quarter of 2006.

"Our outstanding services results this quarter enabled us to stay on track toward our objective of accelerated earnings per share growth through 2010, while we work through a transition in our hardware business," said Samuel J. Palmisano, IBM chairman, president and chief executive officer. "Our year-to-date performance underscores the strength of major elements of our long-term roadmap, including revenue growth, margin expansion, and continued success in emerging market countries and in the integration of our acquisitions."

From a geographic perspective, the Americas' third-quarter revenues were \$10.2 billion, an increase of 4 percent as reported (3 percent, adjusting for currency) from the 2006 period. Revenues from Europe/Middle East/Africa were \$8.1 billion, up 11 percent (4 percent, adjusting for currency). Asia-Pacific revenues increased 9 percent (6 percent, adjusting for currency) to \$4.9 billion. OEM revenues were \$890 million, down 12 percent compared with the 2006 third quarter.

Total Global Services revenues grew 14 percent (10 percent, adjusting for currency) -- the highest growth since third quarter of 2003 -- with strong performance in all geographic regions and business sectors. Global Business Services segment revenues, marked by significant growth in core consulting and application management services, increased 16 percent (12 percent, adjusting for currency) to \$4.6 billion. Global Technology Services segment revenues increased 13 percent (9 percent, adjusting for currency) to \$9.1 billion, benefiting from sales of new business to existing clients. IBM signed services contracts totaling \$11.8 billion, up 12 percent year over year, and ended the third quarter with an estimated services backlog, including Strategic Outsourcing, Business Transformation Outsourcing, Integrated Technology Services, Global Business Services and Maintenance, of \$116 billion, an increase of \$7 billion year to year.

Revenues from the Systems and Technology segment totaled \$4.9 billion for the quarter, down 10 percent (13 percent, adjusting for currency). Revenues decreased 6 percent excluding the year-to-year impact of the Printing System Division divestiture in June 2007. Systems and Technology revenues from the System p UNIX server products increased 6 percent compared with the 2006 period and revenues from the System x servers increased 6 percent. Faced with a difficult comparison, revenues from System z server products decreased 31 percent versus the year-ago period. Total delivery of System z computing power, which is measured in MIPS (millions of instructions per second), decreased 21 percent. Revenues from the System i servers decreased 21 percent. Revenues from System Storage increased 1 percent and revenues from Microelectronics decreased 15 percent.

Revenues from the Software segment were \$4.7 billion, an increase of 7 percent (3 percent, adjusting for currency) compared with the third quarter of 2006. Revenues from IBM's middleware products, which primarily include WebSphere, Information Management, Tivoli, Lotus and Rational products, were \$3.6 billion, up 6 percent versus the third quarter of 2006. Operating systems revenues of \$564 million

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increased 2 percent compared with the prior-year quarter.

For the WebSphere family of software products, which facilitate customers' ability to manage a wide variety of business processes using open standards to interconnect applications, data and operating systems, revenues increased 10 percent. Revenues for Information Management software, which enables clients to leverage information on demand, increased 9 percent. Revenues from Tivoli software, infrastructure software that enables clients to centrally manage networks including security and storage capability, increased 5 percent, and revenues for Lotus software, which allows collaborating and messaging by clients in real-time communication and knowledge management, increased 9 percent year over year. Revenues from Rational software, integrated tools to improve the processes of software development, increased 3 percent compared with the year-ago quarter.

Global Financing segment revenues increased 6 percent (2 percent, adjusting for currency) in the third quarter to \$623 million.

The company's total gross profit margin was 41.3 percent in the 2007 third quarter compared with 42.0 percent in the 2006 period.

Total expense and other income increased 6 percent to \$6.7 billion compared to \$6.3 billion in the prior-year period. SG&A expense increased 4 percent to \$5.3 billion. RD&E expense decreased 1 percent to \$1.5 billion compared with the year-ago period. Intellectual property and custom development income increased to \$270 million compared with \$242 million a year ago. Other (income) and expense contributed income of \$95 million in the third quarter of 2007 versus income of \$174 million in the third quarter of 2006. Interest expense increased to \$193 million compared with \$70 million in the prior-year period, primarily due to the increase in debt to finance the company's accelerated share repurchase agreements executed in the prior quarter.

IBM's effective tax rate in the third-quarter 2007 was 28.0 percent compared with 30.0 percent in the third quarter of 2006.

The weighted-average number of diluted common shares outstanding in the third-quarter 2007 was 1.41 billion compared with 1.53 billion shares in the same period of 2006. As of September 30, 2007, there were 1.38 billion basic common shares outstanding.

Debt, including Global Financing, totaled \$35.3 billion, compared with \$22.7 billion at year-end 2006. From a management segment view, Global Financing debt increased \$1.5 billion from year-end 2006 to a total of \$23.8 billion, resulting in a debt-to-equity ratio of 6.8 to 1. The non-global financing debt-to-capitalization ratio was 40.3 percent at the end of September 30, 2007 compared with 46.7 percent at the end of the second quarter, which reflects increased financial leverage associated with the accelerated share repurchase agreements. The cash balance was \$13.8 billion at the end of the third quarter.

Year-To-Date 2007 Results

Income from continuing operations for the nine months ended September 30, 2007 was \$6.5 billion compared with \$6.0 billion in the year-ago period. Diluted earnings per share from continuing operations were \$4.42 compared with \$3.81 per diluted share for the 2006 period. Revenues from continuing operations for the nine-month period totaled \$69.9 billion, an increase of 7 percent (4 percent, adjusting for currency) compared with \$65.2 billion for the nine months of 2006.

Conference Call and Webcast

IBM's regular quarterly earnings conference call is scheduled to begin at 4:30 p.m. EDT, today. Investors may participate by viewing the Webcast at <http://www.ibm.com/investor/3q07>. Presentation

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charts will be available on the Web site prior to the Webcast.

For more detailed financial results, click [here](#).

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Moldflow to Release First Quarter Fiscal 2008 Financial Results on November 5, 2007

16 October 2007

Moldflow Corporation announced that it expects to release first quarter fiscal 2008 financial results on November 5, 2007. In addition, the Company will hold a conference call conducted by Roland Thomas, president and CEO, and Gregory Magoon, executive vice president of finance and CFO at 11:00 a.m. Eastern time to discuss first quarter results.

What: Moldflow First Quarter Fiscal 2008 Earnings Conference Call

When: 11/5/07 at 11:00 a.m. Eastern time

Where: <http://www.moldflow.com>

Click on Investors, then Audio Presentations

The conference call dial-in number is 877-314-4022, Conference ID #21004226. The call will be recorded with replay (dial-in # 800-642-1687, Pin #21004226) which will be available until November 12, 2007.

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SAP Announces Preliminary 2007 Third Quarter and Nine Months Results

18 October 2007

SAP AG announced its preliminary financial results for the third quarter and nine months ended September 30, 2007.

[View the Detailed Results](#) (PDF, 135 KB)

[View the Detailed Spreadsheet](#) (XLS, 151 KB)

[Webcast and Presentation](#)

HIGHLIGHTS – Third Quarter 2007

Revenues

Software and software related service revenues for the 2007 third quarter were €1.74 billion (2006: €1.54 billion¹), which is an increase of 13% (16% at constant currencies²) compared to the third quarter of 2006.

Software revenues for the third quarter of 2007 were €715 million (2006: €642 million¹), representing an increase of 11% (15% at constant currencies²) compared to the third quarter of 2006.

Total revenues were €2.42 billion for the 2007 third quarter (2006: €2.21 billion¹), which represented an increase of 9% (13% at constant currencies²) compared to the same period of 2006.

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Income

Operating income for the third quarter of 2007 was €601 million (2006: €549 million), which was an increase of 9% compared to the third quarter of 2006.

The operating margin for the 2007 third quarter was 24.8%, which was flat compared to the same period last year. The 2007 third quarter operating margin was impacted by investments of approximately €35 million to build a business around the new SAP Business ByDesign solution to address new untapped segments in the midmarket.

Net income for the 2007 third quarter was €408 million (2006: €370 million), representing an increase of 10% compared to the third quarter of 2006.

Earnings per share for the third quarter of 2007 was €0.34 (2006: €0.30), which was an increase of 13% compared to the same period last year.

Core Enterprise Applications Vendor Share³ (see <http://www.sap.com/usa/company/press/press.epx?pressid=8441> details)

SAP continued to gain share in the third quarter of 2007, marking the seventh consecutive quarter of share gains. Based on software and software related service revenues on a rolling four quarter basis, SAP's worldwide share of Core Enterprise Applications vendors², which account for approximately \$35.9 billion in software and software related service revenues as defined by the Company based on industry analyst research, increased to 27.0% for the four quarter period ended September 30, 2007 compared to 26.0% for the four quarter period ended June 30, 2007, and 23.5% for the four quarter period ended September 30, 2006, representing a year-over-year share gain of 3.5 percentage points.

“We are pleased to announce another strong quarter in which we continued to report double-digit growth in software and software related service revenues in each region and additional share gains among core enterprise application vendors,” said Henning Kagermann, CEO of SAP.

Mr. Kagermann continued, “The third quarter also showed excellent results on the product side. For our established business we demonstrated further progress on the business process platform with a continued increase in the number of customers adopting both SAP ERP and SAP NetWeaver. For our new business, we held the branding launch of our new breakthrough innovation solution SAP Business ByDesign, which has gone live with 20 customers. We look forward to the remainder of the year, as we continue to invest in our business for future growth.”

HIGHLIGHTS – Nine Months 2007

Revenues

Software and software related service revenues for the first nine months of 2007 were €4.97 billion (2006: €4.41 billion¹), which is an increase of 13% (16% at constant currencies²) compared to the first nine months of 2006.

Software revenues for the 2007 nine month period were €1.99 billion (2006: €1.76 billion¹), representing an increase of 13% (17% at constant currencies²) compared to the 2006 nine month period.

Total revenues were €7.01 billion for the first nine months of 2007 (2006: €6.45 billion¹), which represented an increase of 9% (12% at constant currencies²) compared to the same period of 2006.

Income

Operating income for the 2007 nine month period was €1.61 billion (2006: €1.48 billion), which was an

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increase of 9% compared to the 2006 nine month period.

The operating margin for the first nine months of 2007 was 23.0%, which was flat compared to the same period last year. The 2007 nine month operating margin was impacted by investments of approximately €85 million to build a business around the new SAP Business ByDesign solution to address new untapped segments in the midmarket.

Net income for the 2007 nine month period was €1.17 billion (2006: €1.07 billion), representing an increase of 9% compared to the same period of 2006. Net income for the 2007 nine month period was positively impacted by a second quarter effective tax rate of 25.8%. As in the second quarter of 2006, the effective tax rate was partly influenced by non-recurring tax effects.

Earnings per share for the 2007 nine month period was €0.96 (2006: €0.87), which was an increase of 10% compared to the same period last year. Earnings per share for the 2007 nine month period was positively impacted by a second quarter effective tax rate of 25.8%. As in the second quarter of 2006, the effective tax rate was partly influenced by non-recurring tax effects.

Cash Flow

Operating cash flow for the first nine months of 2007 was €1.34 billion (2006: €1.29 billion million). Free cash flow² for the 2007 nine month period was €1.05 billion (2006: €1.05 billion), which was 15% of total revenues (2006: 16%). At September 30, 2007, the Company had €2.6 billion in cash and cash equivalents and short term investments (December 31, 2006: €3.3 billion).

Share Buy-Back

In the third quarter of 2007, the Company bought back 6.2 million shares at an average price of €40.30 (total amount: €250 million). This compares to 600,000 shares (total amount: €22 million) bought back in the third quarter of 2006. Of the total shares purchased in the third quarter of 2007, approximately 3.0 million shares were used to serve exercises under SAP's share based compensation programs. The number of shares bought back in the third quarter of 2007 represented 0.50% of the total shares outstanding. On September 7, 2007, the SAP Executive Board announced that it decided to decrease the treasury stock by cancelling 23,000,000 shares, representing approximately 1.81% of the capital stock before this corporate action. As of September 30, 2007, the Company held treasury stock in the amount of 42.2 million shares (approximately 3.4% of total shares outstanding) at an average price of €36.04. In the first nine months of 2007, the company invested €756 million buying back approximately 20.4 million shares at an average price of €37.05. Given the Company's strong free cash flow generation, SAP plans to spend a similar amount for share buy-backs in the fourth quarter of 2007 as it did in the third quarter of 2007 under its current share buy-back authorization. All prior year share related numbers above have been adjusted to account for the capital share increase that took effect in December 2006 that effectively increased the number of shares outstanding four-fold.

BUSINESS OUTLOOK

The Company reiterated its outlook and refined it for software and software related service revenues for the full-year 2007.

The Company reaffirmed its expectations for full-year 2007 software and software related service revenues to increase in a range of 12% to 14% at constant currencies² compared to 2006 growth of 12% at constant currencies², but refined its expectations by indicating that it now expects to reach the upper end of the range.

In order to address additional growth opportunities in new, untapped segments in the midmarket, the

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Company will invest an additional €300 million to €400 million over eight quarters to build up a new business, of which approximately €85 million was already invested over the first three quarters of 2007. Depending on the exact timing of these accelerated investments, this is equivalent to the Company reinvesting approximately one to two percentage points of margin in 2007 into additional future growth opportunities. Therefore, the Company expects the full-year 2007 operating margin to be in the range of 26.0% to 27.0% compared to the 2006 operating margin of 27.3%. This remains unchanged from the previous outlook.

The Company is projecting an effective tax rate of 32.5% to 33.0% for 2007. This remains unchanged from the previous outlook.

Regional Performance - Third Quarter 2007

Third Quarter 2007 Software and Software Related Service Revenues by Region (in €millions, unaudited)

SAP Group

	Software & SW Related Service Revenues Q3 2007	Software & SW Related Service Revenues Q3 2006	Change	% Change	Constant Currency % Change
Total	1,739	1,544	+195	+13%	+16%
EMEA	914	803	+111	+14%	+15%
Asia Pacific Japan	237	196	+41	+21%	+24%
Americas	588	545	+43	+8%	+15%

Third Quarter 2007 Software Revenues by Region (in €millions, unaudited)

SAP Group

	Software Revenues Q3 2007	Software Revenues Q3 2006	Change	% Change	Constant Currency % Change
Total	715	642	+73	+11%	+15%
EMEA	331	290	+41	+14%	+15%
Asia Pacific Japan	119	95	+41	+25%	+28%
Americas	265	257	+8	+3%	+11%

Third Quarter 2007 Total Revenues by Region (in €millions, unaudited)

SAP Group

	Revenues Q3 2007	Revenues Q3 2006	Change	% Change	Constant Currency % Change
Total	2,422	2,214	+208	+9%	+13%
EMEA	1,242	1,125	+117	+10%	+11%
Asia Pacific Japan	318	273	+45	+16%	+20%
Americas	862	816	+46	+6%	+13%

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Regional Performance – Nine Months 2007

Nine Months 2007 Software and Software Related Service Revenues by Region (in € millions, unaudited)

SAP Group

	Software & SW Related Service Revenues 9 Mos 2007	Software & SW Related Service Revenues 9 Mos 2006	Change	% Change	Constant Currency % Change
Total	4,965	4,409	+556	+13%	+16%
EMEA	2,582	2,280	+302	+13%	+14%
Asia Pacific Japan	656	565	+91	+16%	+21%
Americas	1,727	1,564	+163	+10%	+18%

Nine Months 2007 Software Revenues by Region (in € millions, unaudited)

SAP Group

	Software Revenues 9 Mos 2007	Software Revenues 9 Mos 2006	Change	% Change	Constant Currency % Change
Total	1,993	1,760	+233	+13%	+17%
EMEA	918	796	+122	+15%	+16%
Asia Pacific Japan	303	249	+54	+22%	+26%
Americas	772	715	+57	+8%	+16%

Nine Months 2007 Total Revenues by Region (in € millions, unaudited)

SAP Group

	Revenues 9 Mos 2007	Revenues 9 Mos 2006	Change	% Change	Constant Currency % Change
Total	7,012	6,450	+562	+9%	+12%
EMEA	3,590	3,267	+323	+10%	+11%
Asia Pacific Japan	889	783	+106	+14%	+18%
Americas	2,533	2,400	+133	+6%	+13%

KEY EVENTS – Third Quarter 2007

In the third quarter of 2007, SAP announced major contracts in several key regions: Belgian Ministry of Budget and Control, Thames Water Utilities Ltd, and El Corte Inglés, S.A. in EMEA; Southwest Airlines Co., Royal Bank of Canada, and Goodyear Tire & Rubber Company in the Americas; Samsung SDS Co., Ltd., Tang Shan Iron and Steel Company, Ltd., and Trow Nutrition Indonesia in Asia Pacific Japan.

A major milestone in the third quarter was the signature of a Global Enterprise Agreement with Apple, Inc. SAP has been a strategic software partner for Apple since 1995, and Apple has deployed almost the

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entire SAP Business Suite.

Demonstrating ongoing leadership in providing innovative solutions to retailers worldwide, Wal-Mart Stores, Inc. will enhance its financial information systems using SAP. Wal-Mart chose SAP ERP Financials for its ability to support the retailer's global expansion and its need to efficiently respond to changes in the business and regulatory landscape. Wal-Mart plans to implement SAP globally in phases, with the first phase expected to be completed in calendar year 2010.

On September 19, 2007, SAP unveiled SAP Business ByDesign, the most complete on-demand business software solution specifically addressing a new market of prospective, fast-growing midsize customers. Designed around four key principles—completeness, ease of use, adaptability and significantly cutting total cost of ownership (TCO)—SAP Business ByDesign delivers an on-demand software solution with built-in service and support.

On September 18, 2007, SAP and Misys plc announced an agreement to deliver integrated solutions for the global banking industry. The integrated universal banking solution will integrate key SAP components of SAP for Banking into Misys BankFusion.

On September 11, 2007, SAP and Callataÿ & Wouters announced a collaboration to offer an end-to-end core banking solution for midsize banks. The strategic collaboration will deploy Callataÿ & Wouters' proven core banking product "Thaler" and SAP analytics capabilities on a business process platform for banks globally.

On September 11, 2007, SAP announced the acquisition of the software license and maintenance business of SAP Arabia, its exclusive long-term partner in the region. Under the terms of the agreement, SAP will acquire selected existing assets, including all existing software license and maintenance customer contracts and trademarks from SAP Arabia. Aligned with SAP's global go-to-market strategies, SAP will first establish subsidiaries in Dubai and Saudi Arabia to reinforce its ongoing commitment to deliver value and continuous innovation to customers in the region.

On September 7, 2007, SAP announced that the Company reduced its capital stock from €1,269,040,112 to €1,246,040,112 by cancelling 23,000,000 treasury shares, representing 1.8% of the capital stock before this corporate action.

On September 5, 2007, SAP announced the availability of a new SAP Best Practices offering in support of SAP GRC Access Control, a market-leading application for monitoring and enforcing user access and authorization controls.

On August 28, 2007, SAP announced accelerated customer adoption and innovative new processes for SAP Real Estate Management, a full-featured application for managing all types of real estate. Companies in 40 countries across more than 20 industries use the application to gain better control and analysis of their real estate portfolios.

On the occasion of the first-ever visit to India by the entire SAP Executive Board, SAP announced on August 28, 2007 an expansion of their existing partnership with the Global IT Services Division of Wipro Limited aimed at enhancing development and implementation of best-in-class solutions, especially around enterprise service-oriented architecture (Enterprise SOA). As part of the agreement, Wipro will become an SAP global services partner and will establish a solutions lab in Bangalore.

During the SAP Executive Board visit to India, SAP also announced on August 28, 2007, that within the space of just one year, SAP has doubled the number of Indian customers to 2,000. SAP also reiterated its plans to invest \$1 billion in the country by 2010. The main portion of SAP's investment in India is

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planned for expanding the company's global development and services and support hub in India. SAP Labs India in Bangalore and Gurgaon will also benefit from the investment.

Furthering its commitment to deliver business value via innovation, SAP on August 8, 2007, unveiled its road map for the SAP Product Lifecycle Management (SAP PLM) application. Over the next three years, the extended application will build on existing SAP PLM capabilities to provide an end-to-end solution that helps companies accelerate and simplify the "business of products" as well as effectively collaborate with their business networks.

As part of its ongoing commitment to deliver continuous innovation to customers, SAP announced on July 31, 2007, the availability of the second enhancement package for the SAP ERP application. Next to functional enhancements, the enhancement package includes sector specific innovations for the media, utilities, telecommunications, and trading industries.

On July 30, 2007, SAP announced five new SAP Business All-in-One prepackaged industry solutions for small businesses in Germany.

Webcast/Supplementary Financial Information

SAP senior management will host a conference call today at 2:00 pm (CET) / 1:00 pm (GMT) / 8:00 am (Eastern) / 5:00 am (Pacific). The conference call will be Webcast live on the Company's Web site at <<http://www.sap.com/investor>> and will be available for replay purposes as well.

Supplementary financial information pertaining to the quarterly results can be found at <http://www.sap.com/investor>.

Footnotes

1) As stated in its January 24, 2007 press release, the Company disclosed that it accommodated a US customer with a modification of contracts signed between SAP and this customer prior to 2006 (1997 – 2005). This accommodation entered into by the end of September, 2006 resulted in a reduction of license revenues by €31 million for the third quarter of 2006, but it did not impact the value of licenses sold in the US in 2006. In January, the Company stated that it expected to reinstate a portion of the €31 million of software revenue with this US customer in the first quarter of 2007. In the first quarter of 2007, the Company reinstated in software revenue €19 million of the €31 million reduction from the third quarter of 2006. The Company does not expect to recover any further software revenue amounts.

2) Non-GAAP Measures

This press release discloses certain financial measures, such as free cash flow, and constant currency period-over-period changes in revenue and operating income, that are not prepared in accordance with U.S. GAAP and are therefore considered non-GAAP measures. Our non-GAAP measures may not correspond to non-GAAP measures that other companies report. The non-GAAP measures that we report should be considered as additional to, and not as substitutes for or superior to, revenue, operating income, cash flows, or other measures of financial performance prepared in accordance with U.S. GAAP. Our non-GAAP measures are reconciled to the nearest U.S. GAAP measure in this press release.

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Implementation Investments

Airbus Selects MSC.Software's SimXpert

16 October 2007

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MSC.Software announced that Airbus has selected its SimXpert solution to drive ambitious design and process improvement on commercial aircraft development. Building on a strong historical relationship, this latest agreement establishes SimXpert as a new foundation technology at Airbus sites across Europe.

MSC.Software has been a strategic supplier to Airbus for many years with the company's core engineering products in wide use in France, Germany, Spain and the UK. This new agreement builds upon the existing environment, consolidating the solutions already in place, and adding new technologies from MSC.Software's SimEnterprise, most notably SimXpert. Central to the adoption of new technology is Airbus' aim to significantly reduce development time and improve quality in the pre-design phase of airframe development.

The solution provided by MSC.Software consists of multiple installations of SimXpert, together with customized solution templates for the wing and fuselage sections. The new solution will be implemented across Airbus' European sites by the end of the year. Reduced modelling and solution time, optimized structural performance, and process quality improvements are just some of the benefits that MSC.Software's solutions will contribute toward these objectives.

Further program extensions anticipate the additional use of SimXpert in the detailed design phase of new aircraft development. The new solution environment will be administered using MSC.Software's Enterprise Advantage (EA) licensing system, a flexible means of solution access which preserves historic investments and provides continuity between MSC.Software's engineering products and the new enterprise solutions.

"The unified adoption of SimXpert by Airbus sends an important message to the aerospace industry, confirming the market readiness for our next generation simulation technology," said Amir Mobayen, senior vice president, [MSC.Software](#) EMEA Operations. "The ability of SimXpert to capture and share automated best-practices is opening previously undiscovered areas of simulation methods and process improvement. This is a key commercial benefit in driving productivity and quality gains through the aerospace supply chain."

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Anchor Bay Adopts Cadence Incisive Xtreme III System for Verification of HDTV and Digital Video Products

15 October 2007

Cadence Design Systems, Inc. announced that Anchor Bay Technologies, a leading developer of advanced video processing chips and system-level solutions for HDTV and high-resolution digital video, has adopted the Cadence® Incisive® Xtreme® III acceleration and emulation system. Anchor Bay has successfully employed the system on several designs, and found that it has significantly improved design team verification productivity, product quality, and schedule predictability.

Anchor Bay cited performance gains of 10 to 100,000 times over simulation alone as a major factor in choosing the Xtreme System, along with the hot-swap capability that transparently migrates jobs onto the hardware accelerator while maintaining a simulation-like user environment.

Because Anchor Bay's designs feature advanced video processing tasks such as precision video scaling, precision de-interlacing, noise reduction, and image enhancements for sharp, clean, artifact-free pictures and sound, test cases can be extremely long. These continually expanding requirements have pushed

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Anchor Bay's design teams into a situation where they could no longer rely on simulation alone. They decided to employ the Xtreme III System because of its range of capabilities, including the handling of mixed-HDL logic simulation and performing simulation, acceleration and in-circuit emulation.

"We are thrilled with the benefits we're realizing using the Xtreme System," said Martin Jahner, staff engineer at Anchor Bay Technologies. "When you combine the many advantages of transaction-based acceleration, hot-swapping, and value-change-dump (VCD) on-demand with the performance boost, the choice of systems was an easy one to make."

"The consumer market, and specifically video applications, requires that logic design teams speed verification by running more cycles in a short amount of time," said Ran Avinun, marketing group director, System Segment and Verification Acceleration at Cadence. "Anchor Bay's selection of Xtreme III over alternatives is testament to the value Cadence continues to provide fast-growing companies facing time-to-market pressures, as well as the tremendous growth opportunity we have in the simulation acceleration domain."

The Xtreme III Series is offered in two tiers: Xtreme III Desktop, an entry-level configuration that supports simulation, acceleration, and targetless emulation; and the full Xtreme III System that additionally offers in-circuit emulation capabilities. Both systems can accommodate up to 12 users simultaneously, making them the premier acceleration/ emulation offerings for the entire design team.

The Xtreme III Series is part of the Cadence Logic Design Team Solution, which helps logic design teams improve schedule predictability through plan-to-closure management and logical signoff, in an integrated and holistic approach covering both design and verification. It is another example of how [Cadence](#) offers tailored solutions for specific types of engineering teams.

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Appleseed's Deploys PTC® Retail, Footwear and Apparel Solution to Drive PLM Initiatives

15 October 2007

PTC announced that Appleseed's, a retailer of classic women's apparel, has successfully deployed the PTC Retail, Footwear and Apparel solution, FlexPLM™, for its product data management, line planning and product variation management capabilities. Appleseed's implemented FlexPLM as its collaborative PLM system that utilizes a central library to manage its product and material information. With the out-of-the-box capabilities of FlexPLM, Appleseed's improved design efficiency by 20 percent, reduced grading formula errors and improved its material and product quality through clearer data representation.

Managing multiple brands with thousands of new and updated styles to drive three to four market pushes each season was becoming increasingly challenging across the Appleseed's organization. The company decided to replace its former product data management system that maintained product data in multiple places, often manually, with a centralized and automated PLM system that enabled visibility into products and materials throughout the complex lifecycles of Appleseed's product lines. Appleseed's chose FlexPLM for its capabilities for seasonal concepts, line development and sample management requirements.

The first phase of the implementation began with the Appleseed's and Togs divisions. This phase was focused primarily on technical design to establish basic classifications and structure for its products and materials and went live July 2007. The second phase as planned will include system configuration to support seasonal planning, merchandise planning and business planning and will include

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sourcing/costing, vendor collaboration and interfaces into Appleaseed's other business systems.

"We selected PTC because FlexPLM is the best solution that delivers out-of-the box capabilities that are key to the retail, footwear and apparel industry," said Ron Beard, chief information officer, Appleaseed's. "Additionally, [PTC](#) worked very closely with our teams as a resource partner to create and implement a PLM plan that worked within our budget, avoided extensive customizations and delivered immediate measurable benefits. We look forward to continuing our partnership with PTC as we begin the second phase of the implementation."

"Many retail, footwear and apparel organizations like Appleaseed's need to maximize technology investments while minimizing their time and resources to get benefits from their PLM initiatives," said Kathleen Mitford, vice president, vertical market strategy for retail, footwear and apparel, PTC. "FlexPLM was developed to deliver out-of-the-box capabilities and still be flexible and scalable to support the future PLM requirements of leading retailers like [Appleaseed's](#)."

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Beiersdorf Implements Sopheon System in Support of Product Innovation Strategy

16 October 2007

Sopheon announced that Beiersdorf AG, a leading manufacturer of skin and beauty care products, has deployed Sopheon's Accolade product life cycle management (PLM) system to support the company's implementation of an enhanced, integrated process for developing and launching new products. The solution is also being used to strengthen product portfolio decision-making and reporting.

Founded in Hamburg, Germany in 1882 by pharmacist Carl Beiersdorf, Beiersdorf's original product patents were for bandages and wound coverings. By the turn of the century, the company had expanded into consumer skin care and beauty products. Today Beiersdorf is a \$7B global producer of regionally branded consumer goods with approximately 100 locations and more than 17,000 employees. The company has a reputation for strong customer and product focus, an orientation that has helped, for instance, make NIVEA® the best-selling body care brand in the world.

Cosmetics is a highly competitive, global industry. It is also among the fastest-moving markets in the consumer goods sector. The life of a typical cosmetic product is only about four years, which means that ongoing, rapid innovation is a prerequisite to achieving sustained business growth. Beiersdorf is addressing this imperative as a core aspect of its consumer business strategy, labeled "Passion for Success." The strategy calls for the company to focus on fewer but more significant innovations and deliver them to market faster. Beiersdorf has long regarded continuous improvement of its new product development processes as a key factor in maintaining brand superiority.

Beiersdorf's adoption of Accolade has allowed the company to advance not only its processes for product creation, but its portfolio management capabilities as well. One principal benefit of the system is that it has given the cross-functional teams engaged in product development across the Beiersdorf organization a common platform through which to access and share project data. The result has been greater transparency and an improved ability to track the progress of projects in the developmental pipeline. Accolade has also helped to raise the efficiency and accuracy of portfolio reporting and strengthen the company's portfolio management and decision-making processes.

Sopheon partners, Sopheon Vertriebs GmbH and Sopheon Business Applications GmbH, were responsible for the sale, implementation and support of Accolade at Beiersdorf. Dieter Jaeger, chief

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executive officer of Sopheon Vertriebs GmbH, said, “Beiersdorf has commanded a top position in the international personal care market for many years, and innovation-led product development has been a hallmark of their success. When we were introduced to Beiersdorf, they already had in place a standardized, global product development process anchored in best practices. With Accolade, we were able to give them a single, user-friendly software system that integrated the management of that process with portfolio management and comprehensive decision-support. Beiersdorf chose Accolade because it could match their specific, demanding process requirements. They have subsequently embraced it because it has proven that it helps to ensure superior process performance.”

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Bentley Systems Licenses D-Cubed 2D DCM, 3D DCM and CDM Components from siemens PLM Software and Extends Commitment to Parasolid

16 October 2007

Siemens PLM Software, a division of Siemens Automation and Drives (A&D), and [Bentley Systems, Inc.](#) of Exton, PA that the D-Cubed™ 2D and 3D Dimensional Constraint Managers (2D DCM and 3D DCM) and the Collision Detection Manager (CDM) software components have been licensed for use in the MicroStation® platform which is widely adopted for the design and management of buildings, civil engineering projects, process and power plants and geospatial information. In addition, Siemens PLM Software and Bentley Systems announced a multi-year extension to their long-standing, successful deployment of Parasolid® software as the 3D geometric modeling component for MicroStation.

PLM Components are well known for their use in a wide range of mechanical CAD applications. Various solutions from the portfolio have been deployed in NX™ software and Solid Edge™ software from Siemens PLM Software Inc., SolidWorks® software from SolidWorks Corporation, Autodesk Inventor® software from Autodesk Inc., and many other products. The new agreement with Bentley is one of the most significant endorsements of the D-Cubed components by an architecture, engineering and construction (AEC) vendor in the 18-year history of the D-Cubed product line. Building on the Parasolid geometry modeling kernel, these PLM Components will enable Bentley to bring sophisticated design techniques, already proven in mechanical CAD applications, to the AEC marketplace.

“The AEC industry is moving in exciting new directions. Technologies such as Building Information Modeling (BIM) and Bentley’s own GenerativeComponents are vastly increasing the number of design configurations that architects and engineers can explore. Significant design changes can now be made more rapidly, more easily, and more economically than ever before,” said Shaun Sewall, Vice President of Platform Products and Technology at Bentley Systems. “The D-Cubed components are an important part of our strategy to provide advanced parametric design capability to our users. Our experience with Parasolid, and our strong business relationship with the Siemens PLM Software team over the past 10 years, left us in no doubt that this extension to our partnership was the right choice.”

“We are confident that the extended application of Siemens’ PLM Components will reinforce Bentley’s reputation for technical excellence and innovation in the AEC market,” said Chuck Grindstaff, executive vice president, Products for Siemens PLM Software. “As the leading provider of open solid modeling and parametric design capabilities to the global mechanical CAD industry, we are delighted with this significant step forward in our contribution to leading AEC applications.”

About PLM Components; Parasolid and D-Cubed

PLM Components are software tools that can help increase the profitability of software applications in

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the CAD, CAM, CAE and PLM marketplace by raising their value and lowering their costs. Siemens PLM Software develops these components, uses them throughout its own applications and licenses them to independent software vendors and end-user organizations. Flexible licensing arrangements and a simple, proven integration process enable any organisation, large or small, to bring innovative capabilities to their applications quickly and economically. Part of the PLM Components family of products, the Parasolid and D-Cubed components provide 3D part and assembly modeling, editing and interoperability, 2D/3D parametric sketching, motion simulation, collision detection, clearance measurement and visualization. Applications include mechanical CAD, CAM, CAE, mold design, sheet metal, AEC, GIS, structural, plant and ship design, CMM, reverse engineering and sales configuration. For more information, please visit <http://www.ugs.com/products/open/>

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Berkeley Design Automation Analog FastSPICE™ Selected by Fujitsu for All Next-Generation Analog/RF & Mixed-Signal IC Design

15 October 2007

Berkeley Design Automation Inc., provider of Precision Circuit Analysis™ technology for advanced analog and RF integrated circuits, announced that Fujitsu Limited, one of the world's leading providers of customer-focused IT-networking and communications solutions for the global marketplace, has adopted the company's Analog FastSPICE™ circuit simulator. With Analog FastSPICE, Fujitsu's design teams can now complete analog circuit verification tasks in record time, without compromising accuracy. They have also been able to complete verification tasks which were impossible with other simulators.

"[Berkeley Design Automation](#) offers an essential verification technology that is critical to the success of analog and mixed-signal IP Macro design in Fujitsu's Electronic Devices Business Unit," said Yoshio Watanabe, General Manager of the IP Platform Solutions Division, Electronic Devices Business Unit of Fujitsu Limited. "Our analog and mixed-signal verification requirements exceeded the capabilities of traditional SPICE and digital fastSPICE simulators. Analog FastSPICE delivers accuracy that is as good or better than traditional SPICE at significantly higher performance than digital fastSPICE simulators on a wide variety of Fujitsu's own analog and RF circuits. It also enables us to solve problems we could not address before. We are now committed to deploying this technology across our business."

Analog FastSPICE uses Berkeley Design Automation's proprietary Precision Circuit Analysis technology to deliver full SPICE accuracy, 5X to 10X faster and with 5X to 10X higher effective capacity than traditional SPICE tools. By solving the original device equations without any approximations, abstractions, or short cuts, Analog FastSPICE delivers identical waveforms as traditional SPICE simulators at every node on every run. The product is already proven on a wide range of circuits including wireless and wireline transceivers, high-speed I/Os, power regulators (single and multi-channel DC:DC converters), LCD-TV source drivers, memory interfaces, PLLs (phase-locked loops), DLLs (delay-locked loops), sigma-delta ADC (analog-to-digital converters), and memory interfaces.

"Fujitsu, a leading supplier of mixed-signal semiconductor solutions for consumer electronics and networking, has been very successfully using our technology on a number of high-volume silicon production projects," said Ravi Subramanian, president and CEO of Berkeley Design Automation. "Following an extensive evaluation of Analog FastSPICE, Fujitsu's engineers saw for themselves that

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the tool delivers the speed and accuracy benefits across a wide breadth of circuits. We are delighted to see their continued confidence and further investment in our technology and products.”

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Catalog Data Solutions Configurators implemented by ASCO Valve

17 October 2007

Catalog Data Solutions (CDS) announced that Asco Valve, a division of [Emerson Industrial Automation](#) has implemented CDS Configurators (with patent-pending Visual Constraint Feedback™) for online configuring and 3D CAD model delivery of the Condensate Drain Valves (CDV) and Redundant Control Systems (RCS). Both configurators are available for online design at <http://www.ascovalve.com/>

“We wanted an ‘expert system’ that integrates deep knowledge of the product and makes an advanced user experience readily available, online 24X7, to the designer. The objective is to save the designer time in selecting the right product and by directly downloading the CAD model into their CAD design so they don’t have to draw it,” said Craig Patterson, Engineering IT manager, ASCO Valve. “We chose CDS for rapid delivery, price competitiveness, the ‘wow factor’ of its Visual Constraint Feedback™ configurator and its CAD download capability.”

“In a complex product, users usually don’t know the constraints and they almost certainly don’t know the interdependence of those constraints (i.e. if you select X you are giving up option Y in selection Z). The Visual Constraint Feedback™ makes you aware of what effects any selection has on future choices,” said John Major, CEO of Catalog Data Solutions.

[Catalog Data Solutions](#) helps industrial manufacturers, suppliers, and distributors grow sales and strengthen customer loyalty through interactive online catalogs, ecommerce, 3D CAD model delivery and product configurator solutions. Studies show that over 90% of 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 patent-pending technology. For interactive ease of use, ease of setup, 2D or 3D graphics and on screen visibility of interdependent selections or exclusions nothing better a CDS configurator.

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CB&I Extends Use of aspenONE® Process Engineering Solutions to Support Business Growth

15 October 2007

[Aspen Technology, Inc.](#) announced that CB&I (Chicago Bridge & Iron Company N.V.), one of the world's leading engineering and construction (E&C) companies, signed a new multi-year license extension for the aspenONE Process Engineering application suite. The agreement extends CB&I's commitment to AspenTech's engineering solutions for process simulation, design and performance optimization across its Oil & Gas, Petrochemical and Chemical business units, both in the U.S. and internationally.

CB&I will extend its use of the aspenONE Process Engineering suite, including Aspen HYSYS® and Aspen Plus®, which are used to design oil & gas facilities, refineries, or chemical plants.

The CB&I agreement for the aspenONE suite is based on a flexible licensing system that enables users

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across the company to optimize the use of the full range of applications. This allows CB&I to react quickly to project and business demand and support the delivery of services to its Oil & Gas, Petrochemical and Chemical customers across all international markets.

The aspenONE Process Engineering integrated suite of applications improves engineering productivity, design quality and time-to-market by supporting Conceptual & Basic Engineering and Operations Optimization through consistent models, data re-use and concurrent engineering workflow. By providing insights into plant and equipment behavior for optimal decision-making, the applications help companies reduce capital and operating costs and increase engineering efficiency and quality. These productivity enhancements are particularly important in the E&P business because of the shortage of skilled engineers and high demand for engineering services.

“For leading E&C companies such as CB&I who serve E&P, Refining and Chemicals markets, the aspenONE Process Engineering application suite is an important IT asset providing the means to deliver a comprehensive range of services to their clients,” said Antonio Pietri, Executive Vice President, AspenTech. “CB&I’s continuing commitment to the aspenONE suite is a reflection of the value that these integrated applications can deliver to leading E&C companies and their process industry clients throughout the project lifecycle.”

About CB&I

CB&I (Chicago Bridge & Iron Company N.V.) specializes in lump-sum turnkey projects for customers that produce, process, store and distribute the earth’s natural resources, with more than 60 locations and approximately 14,000 employees throughout the world.

CB&I is a fully integrated EPC service provider, offering a complete package of conceptual design, engineering, procurement, fabrication, field construction, mechanical installation and commissioning. CB&I serves customers in a number of key industries including oil and gas; petrochemical and chemical; power; water and wastewater; and metals and mining. Its projects include hydrocarbon processing plants, LNG terminals and peak shaving plants, offshore structures, bulk liquid terminals, water storage and treatment facilities, and other steel structures and their associated systems. CB&I also provides a broad range of maintenance and repair services, including complete turnarounds for petroleum refining and petrochemical plants.

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Cimatron Helps Indiana College Manufacturing Program with CAD/CAM Software Donation

15 October 2007

Continuing its tradition of supporting the education of tooling professionals, Cimatron Technologies, Inc. has donated twelve seats of its CAD/CAM software to [Ivy Tech Community College](#) in South Bend, Indiana.

The Ivy Tech manufacturing training programs are designed to support industries and businesses that have a growing demand for highly skilled workers. Cimatron is utilized at Ivy Tech in two 16-week training courses, focusing on CAD and CAM skills. Using Cimatron, Ivy Tech is able to offer students a hands-on experience in key technologies, giving them the advanced skills needed to advance their careers and serve the needs of local tooling and manufacturing shops.

The program is led by Jeff Lambert, a veteran toolmaker and Ivy Tech alumni. “The trade is changing rapidly,” says Lambert, who has run local mold shops and is currently an engineering manager at

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ASTAR Incorporated. “Many employees are not well trained in modeling or programming. Shops that need to train such employees send them to Ivy Tech.”

Ivy Tech had been using another software package for the CAD/CAM courses, but it was expensive to maintain and did not provide the capabilities required to keep up with today’s demands. “We kept coming across areas in projects that were difficult to model or produce with the software we were using. I knew Cimatron would help me overcome these issues and provide the students with more effective training,” notes Lambert.

After being approached by Ivy Tech, Cimatron donated the software and maintenance for free and has provided extensive support for the program, also at no charge. Lambert notes, “The support from Cimatron has been excellent. Anything I needed has been supported and taken care of right away.”

The Cimatron donation helps Ivy Tech reduce costs and provide students with more up-to-date training. “Cimatron’s automated tools for the manufacturing process removes wasted time and allow our classes to go beyond basic CAD/CAM,” says Lambert.

Lambert and Ivy Tech plan on expanding the use of the Cimatron software to introduce new courses that will provide advanced training on specific topics such as mold and die design and electrodes.

Sam Golan, CEO and President of Cimatron Technologies, Inc. says “Our educational programs are designed to support both employees and businesses. Students gain the skills they need to advance their career, while the industry benefits from the addition of higher skilled workers.”

For more information about Cimatron's support of educational programs, please see the Education page on the Cimatron Technologies [website](#).

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COSCO Shipyard Group Significantly Increases Productivity and Quality with Intergraph SmartMarine™ 3D

16 October 2007

After only 10 months of implementation, the [COSCO Shipyard Group](#), one of China’s major shipbuilding companies, has already realized significant productivity and quality results to warrant a more rapid deployment of [Intergraph SmartMarine 3D™](#) engineering design software solutions to all five of its yards for ship and offshore projects.

Typical start-up times for comprehensive software solutions use on real projects is one-to-three years, but because of SmartMarine 3D’s ease of use, integration and ability to increase shipbuilding productivity and quality, COSCO is accelerating implementation. SmartMarine 3D streamlines marine outfitting and structure design processes and provides all the functionality needed to design and build many different types of marine facilities and equipment, including offshore platforms, naval and commercial ships, and floating production, storage, and offloading (FPSO) vessels.

Since purchasing SmartMarine 3D (formerly known as IntelliShip®) in late 2006, COSCO has applied its marine engineering design capabilities in three shipyards:

COSCO Zhoushan Shipyard – Its floating, storage and offloading (FSO) project is the first offshore project by COSCO Zhoushan and is the beginning of its offshore marine industry activities, including the new development for a semi-submersible unit

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COSCO Dalian Shipyard – Design and construction of a floating, drilling, production, storage and offloading (FDPSO) vessel

COSCO Nantong Shipyard – Production of the first self-elevating (jack-up) drilling unit undertaken by COSCO and only the third ever built in China, as well as the world's first cylindrical drilling unit

Due to the success of these marine engineering projects, COSCO is planning on expanding its use of SmartMarine 3D at its Guangzhou technical center branch and Guangzhou shipyards. Implementation at these sites will begin in the first half of 2008.

“Using SmartMarine 3D for our design process has given us markedly improved efficiency and quality compared to our previous design process. For example, modeling of piping and equipment is now done up to 50 percent faster,” said Zhu Qingshuang, general manager for the COSCO Shipyard Group Technical Centre. “The partnership and support we enjoy from Intergraph is invaluable for achieving our objectives and goals for becoming one of the most sophisticated shipyards in China as well as on a global basis.”

Gerhard Sallinger, president of Intergraph Process, Power, and Marine said, “COSCO Shipyard Group's implementation gains in productivity and quality through the use of SmartMarine 3D are further validation to the competitive advantages provided by our generation of ship design and production solutions. The automation and integration capabilities and proven results of our SmartMarine Enterprise and 3D design applications has led to rapid adoption by leading shipyards around the world. We are pleased by COSCO's decision to deploy these applications and look forward to continuing our partnership.”

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Esdale Gets More Productive With WorkPLAN

18 October 2007

Sescoi's WorkPLAN ERP system has significantly helped to increase efficiency and reduce administrative load at Esdale Tooling Limited. Based in Heckmondwike, West Yorkshire, UK. The company produces molds for automotive parts, PET bottles for products such as detergent and mouthwash and a range of modular storage boxes which start at 200cc and go up to 84 litres. Currently, Esdale Tooling Ltd. produces approximately 150 new tools each year as well as carrying out hundreds of repairs and modifications.

The company's previous system was 12 years old and reaching the end of its useful life. David Eastwood, Technical Manager said, “We are always looking for new ways to improve our efficiency through using the latest technology. When we saw WorkPLAN we could see that it would do exactly what we wanted, and more.” WorkPLAN has been designed for custom manufacturers and has been developed around the needs of the toolmaking industry, using SESCOI's 20 years of experience in this sector.

Starting with a quotation, WorkPLAN enables Esdale Tooling Ltd. to use its skills to build up costs from historical information about how previous tools were made, using the rates for each task such as CAD/CAM, tool design, and gun drilling. Additionally, where the work is replacement, modification or repair, the complete history of the tool is stored in the system. This enables the company to look back through design iterations, manufacturing methods, and component and material sources to offer full traceability which benefits both Esdale Tooling Ltd. and its customers. David Eastwood added, “Having

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this level of detailed information makes it possible for the quotations to be very accurate, allowing us to discuss elements of the tool and product design with our customers to reach an optimum solution for both cost and quality.”

The changeover to WorkPLAN was completed in one step, once the cost centres and employee information had been set up. David Eastwood said, “The installation was not difficult thanks to the support we received from Sescoi. Its service has been very good, implementing our special requests into the software and setting up reports to suit our company.”

Once Esdale receives an order, WorkPLAN automatically transfers the information in the quotation to the works order. The system also keeps track of stock, to ensure that it is used up before more parts and material are purchased, producing a positive impact on cash flow. Having a schedule in WorkPLAN for the construction of the tool helps further, as mold plates are ordered at the general assembly drawing stage, while items like ejectors are only ordered as the tool gets to the fitting stage.

Esdale has ten WorkPLAN terminals around its offices and shop floor. These allow employees to clock on to jobs, and managers to analyse the progress and costs so far. David Eastwood said, “Staff and resources are always logged on to a task. We track machines and operators separately, as an operator may be working more than one machine. This makes it possible to precisely allocate the costs to each job.” By using the terminals around the factory, WorkPLAN has created a paperless working environment with live reporting of events. The system also keeps track of quality issues. David Eastwood added, “We save non conformance reports, and rectification notifications, which allows us to examine patterns of non conformance, find out what went wrong and take corrective action.”

The reporting within WorkPLAN allows managers at Esdale to check the profitability of each tool as well as on time delivery performance, which has a direct impact on cash flow. The software links to Sage, Esdale’s accounting package, and produces documentation such as delivery notes, stock sheets and invoices which are all now amalgamated into WorkPLAN, greatly reducing administrative workload. David Eastwood added, “By simplifying and automating routine tasks, WorkPLAN enables staff to be redirected to more productive work. Day to day administration has gone down dramatically and it would be very difficult to operate without it.”

WorkPLAN will soon enter a new era with the launch of WorkPLAN Enterprise, an entirely new generation of its ERP system for custom manufacturers.

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ITER Virtually Defines Experimental Fusion Reactor with DELMIA Solutions from Dassault Systèmes

16 October 2007

Dassault Systèmes ([DS](#)) announced that ITER, the joint international research and development project that aims to demonstrate the feasibility of fusion power, is introducing DELMIA Digital Manufacturing solutions from Dassault Systèmes as its process analysis platform. As the project progresses towards construction and building of the reactor in Cadarache in southern France, process definition and validation are becoming more and more important and will be addressed using [DELMIA](#) solutions. ITER already uses CATIA and ENOVIA as its PLM engineering platform.

Research is in progress to determine how and if reactor walls can be designed to last long enough to make a commercial power plant economically viable in the presence of the intense neutron flux.

Damage can be caused by high energy neutrons knocking atoms out of their normal position in the crystal lattice.

“At this stage of the project, we are introducing DELMIA Digital Manufacturing Solutions to simulate our most critical processes, starting from concept validation of the fusion reactor and extending to its construction, operations and maintenance,” explains Eric Martin, head of the ITER design office.

DELMIA Digital Manufacturing Solutions will enable ITER to optimize its construction, operation and maintenance processes. It will thereby reduce downtime and lifetime cost of the facility in addition to increasing operation safety by ensuring that construction, operation and shutdown sequences are fully compliant with the regulatory and safety constraints. By deploying the complete DS PLM solution set (CATIA, ENOVIA, DELMIA), the ITER team will be able to manage the entire project within a single environment, providing accurate, up-to-date information and streamlined processes.

“DELMIA’s process planning, assembly, robotic simulation and human task solutions, as well as automatic path planning solutions from our partner KINEO CAM, provide a unique capability to help ITER solve the tremendous challenge of this complex facility,” says Bruno Latchague, EVP, PLM Business Transformation, Dassault Systèmes. “This is another step in extending our collaboration with ITER into its manufacturing and operations planning.”

About ITER

The overall mission of ITER is to demonstrate the scientific and technological feasibility of fusion as a safe energy source. The program is anticipated to last for 30 years – 10 for construction and 20 years of operation. ITER brings together seven funding partners, known as the ITER Parties. These are the European Union (represented by EURATOM), Japan, the People’s Republic of China, India, the Republic of Korea, the Russian Federation and the USA.

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Itipack S.r.l. Speeds Response to Market Demands with CoCreate Software

19 October 2007

CoCreate Software announced that Itipack S.r.l. has recently upgraded its CAD technology with the adoption of CoCreate OneSpace Modeling.

Based in Villaverla near Vicenza, Italy, Itipack S.r.l. specializes in the production of strapping systems. With an 11,000 square meter site, the company has exported hundreds of machines all over the world. Itipack credits its success in part to continuous investments in advanced technology.

In this respect, work with CoCreate products has been going on for several years, now. At first, Itipack used CoCreate OneSpace Drafting (formerly ME10), CoCreate’s 2D design software. When Itipack decided to optimize product development with a 3D CAD system, it chose OneSpace Modeling.

Itipack now plans to develop its projects entirely in 3D to obtain better product quality and avoid possible issues in production. “With OneSpace Modeling, we can check interference and clashing parts, as well as carry out simulation that was quite complicated or not feasible with 2D,” says Morgan Grigolato, IT Manager, Itipack. “We are very satisfied with this software and we consider it better than others we have tried, especially when it comes to flexibility with unexpected last-minute changes required by the customer.”

Itipack has also implemented CoCreate OneSpace Model Manager for data storage and management and

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added FE Analysis for OneSpace Modeling. “Having a single 2D/3D CAD solution integrated with the PDM system delivers great benefits to our business,” says Grigolato. “It helps us accelerate our response to market demands, as well as reuse the design heritage available in the company.” At Itipack, 17 Model Manager licenses have been integrated with the ERP system.

Itipack works with [CoCreate](#) reseller EIT in building and supporting its product development environment.

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Leading Children’s Apparel Maker AME Implements Yunique plmOn

1 October 2007

Yunique Solutions Inc. announced that privately-held American Marketing Enterprises, Inc. (AME) has successfully implemented its plmOn™ product lifecycle solution across its design, technical design, product development, licensing, sales, and production teams in its Manhattan headquarters. As a replacement to the company’s five year old product development system, the 40-user plmOn solution has been successfully implemented in just 75 business days, besting the ‘install to go-live’ project plan by 3 full weeks and significantly under budget.

Fourteen year-old American Marketing Enterprises is a leading children's sleepwear manufacturer. As a major character licensed sleepwear company in the United States, it holds rights to produce and market sleepwear and loungewear, blanket sleepers, robes and other products for a number of brand owners including Marvel Enterprises Inc. and their premiere Marvel character franchises, The Walt Disney Company, Nickelodeon, and numerous others which it sells to giant retailers such as Wal-Mart, Target & Kohl's.

“Yunique gave us the independent computing platform that we needed to include both Mac and PC users in our PLM initiative”, stated Mark Cuocolo, Director of Product Development. “Because our original PC-based system could not be used by our Mac-based designers, we were experiencing severe operational limitations. plmOn allows us to not only establish a central repository of our designs, but to gain greater visibility and improve tracking and reporting of our overall product lifecycle. This extends the benefits of PLM to the business and to everyone working on our products.”

According to Cuocolo, “We have already cut our pre-costing time in half and expect to gain even more strategic benefits from plmOn over the coming months and years. It is helping us to decrease our development time, streamline business processes, reduce overhead costs, and make other improvements in our operations. Moreover, we see the plmOn technology as an enabler increasing our sales by getting the right products to our customers faster than ever before.”

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Narragansett Imaging Adopts Arena PLM for Greater Control and Compliance With Strict Medical Industry Standards

17 October 2007

[Arena Solutions](#) announced that Narragansett Imaging has adopted Arena PLM to assert greater control over their product development process and maintain one complete product record in a single central repository where all product development-related data is contained. In addition, to meet increased

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demand from the medical industry and comply with its strict standards, Narragansett relies on Arena PLM to track, document, collaborate, report and enforce design and operational controls in order to demonstrate product compliance and due diligence.

The designer/manufacturer of OEM digital imaging cameras and customized solutions for biometrics, machine vision, defense, traffic, medical and other professional practices selected Arena PLM after a comprehensive evaluation of other major PLM application providers. Narragansett selected Arena PLM for its cost and on-demand advantages.

"Arena offers a big cost benefit that goes beyond savings on the service fees. With Arena PLM, we didn't need to increase our IT spend to implement and maintain the software. We didn't have to buy a dedicated server and we never need to worry about programming or updates. That kind of heavy administration is what other PLM systems require," said Doug Sherman, vice president of Engineering at Narragansett Imaging. "We're a small organization with a global customer base, and we travel quite frequently. Because Arena PLM is web-based, any one of us -- from Rhode Island to China -- can access it from anywhere in the world over a standard Internet connection. It's great."

With only one week of formal training, help from an Arena-based project manager, and a single, focused Narragansett employee, the company performed all major steps associated with implementing Arena PLM and became productive using the software, including its engineering change order (ECO) and compliance functionality, in less than 10 weeks.

"To get something as powerful as Arena PLM in place and start controlling our documents without any trouble is a huge benefit for a company our size with limited resources," said Sherman. "We must make the most of everything we do."

A core objective of the Arena PLM implementation was to drive increased re-use of key designs and components already in use in their manufacturing supply chain. Narragansett's engineering team is evaluated and measured on their ability to reuse key design information in new product designs. Prior to using Arena PLM, Narragansett engineers had difficulty finding and mass-updating the designs they had stored on the company's engineering server, with a folder structure for each document.

"Storing all of our information on our engineering server wasn't bad until we wanted to reuse a particular part, say a circuit from one camera to the other. We created duplicates in each folder and it became a nightmare when we made a change to it and could ensure that change got rippled through to all of the other products that incorporated it. It was nearly impossible to make sure the change was made in every related project folder. It set us up for potential errors," added Gary Conforti, document control manager at Narragansett Imaging. "But now, with Arena PLM, we have one repository for all of our documents that is easily searchable and under ECO control. It alleviates that nightmare and threat of errors."

"Narragansett needs fit exactly within the target of what Arena does best, and is a great start to leveraging the value of Arena. With what they've already accomplished with Arena PLM, it's going to be much easier to do their jobs and satisfy their customers going forward," said Michael Topolovac, chief executive officer of Arena Solutions. "But having now connected their cross-functional teams, I expect they'll soon realize the even more robust kind of collaboration they can achieve and begin connecting to their manufacturing resource planning system and suppliers through Arena and enjoy an even higher level of control and productivity."

About Narragansett Imaging

Narragansett Imaging is a privately held company based in Rhode Island, USA. Drawing on its over 40

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years experience in the field of electronic imaging, Narragansett Imaging designs and manufactures CCD & CMOS digital cameras and camera modules for use in a wide range of OEM applications.

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NKK Switches Launches 3D CAD Models With PARTsolutions Technology

15 October 2007

NKK Switches has launched a partnership with [PARTsolutions](#), a leading provider of digital parts management technology and services, to provide a digital 3D CAD library and configurator for NKK's product lines.

Using PARTsolutions, NKK has Web-enabled a partial collection of M Series Toggles, M Series Rockers, LB Series Illuminated and Non Illuminated Pushbuttons and the SmartSwitch™ LCD programmable switches, all of which are available immediately, representing over 125,000 viewable configurations. The catalog will grow over time, allowing prospective customers to graphically configure components with the sizes, features, and colors they need. Once configured, the online library creates high quality, native CAD data including the accurate NKK SWITCHES part number, which is downloaded by the designer.

"In an effort to exceed our customer's expectations, providing 3D models is another way NKK can bring value and support to their needs." said Lou Molinari, Vice President Marketing at NKK Switches. "We reviewed many 3D solution providers and determined that PARTsolutions yielded the best over all support and flexibility to help us in this area."

"PARTsolutions is excited to partner with NKK Switches and looks forward to serving the company with the best lead generation network available, and to serving their customers with the best quality CAD native digital catalog data possible," commented Rob Zesch, President of PARTsolutions.

The PARTsolutions' 3D CAD library may be accessed on the NKK website as well as various online market places including the Autodesk® Supplier Content Center, Machine Design Magazine CAD library, and others. NKK products will also be available within PARTsolutions Intelligent Parts Management solutions, allowing NKK Switches to introduce their products to new prospects worldwide independent of the CAD technology they may be using.

With the comparative lack of available 3D tools for component selection, PARTsolutions' 3D CAD library and configurator represent a significant enhancement to NKK's overall support strategy. In addition to the company's dedicated and experienced switch specialists who help with engineering, pricing and competitive cross referencing, NKK can now offer engineers a fast and efficient way to utilize NKK Switches in their designs.

The leading designer and producer of electromechanical switches, NKK Switches offers one of the industry's most extensive selections of illuminated, process sealed, miniature, specialty and surface mount switches. The company manufactures more than four million toggle, rocker, pushbutton, slide, rotary, DIP rotary, keypad and keylock switches. All switches are designed and manufactured to provide the quality and dependability that has made NKK the benchmark for reliability for over half a century.

NKK continues to lead the industry in responding to the needs of the marketplace with innovation, high reliability and a commitment to excellence. The company provides environmentally safe products for its valued customers, including the myriad of issues that are covered under the RoHS directive. NKK maintains a complete network of qualified representatives and distributors through the United States,

Canada, Central and South America, Europe and Asia.

Engineers who design the man-machine interface for their products rely on the broad product line, specialized design expertise and customer support of NKK Switches. For more information contact NKK Switches, 7850 E. Gelding Dr., Scottsdale, AZ 85260. Phone 480/991-0942. Fax 480/998-1435. See the NKK Web site at <http://www.nkkswitches.com/>.

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SAP Customers in Europe Accelerate Business Innovation With Enterprise SOA

17 October 2007

Delivering on its commitment to help companies embrace an enterprise service-oriented architecture (enterprise SOA) for business success, SAP AG announced that customers in Europe are gaining significant business value with technology innovations delivered through the industry's first true business process platform. Using the SAP NetWeaver® technology platform and SAP® Business Suite, companies have created a highly flexible IT landscape that enables a more rapid response to changing business requirements by creating composite applications or "enterprise mash-ups" to orchestrate new business processes across system and company boundaries. A business-driven approach to services-based software architecture, enterprise SOA leverages ready-to-run Web services co-defined by SAP's vibrant ecosystem and implemented by SAP to create applications that are quick to implement, easy to scale and deliver a rapid time-to-value. The announcement was made at SAP® TechEd '07, being held in Munich, Germany, Oct. 17 - 19, 2007.

Arla Foods Keeps Profits Flowing

Disparate systems as a result of an aggressive growth-through-acquisition strategy left Europe's second largest dairy company faced with supply chain lag-times and inconsistencies in data resulting in reduced abilities to adequately budget and plan for projects or investments. Using the SAP NetWeaver platform to enable the integration of third-party solutions addressing supply chain and manufacturing data, Arla Foods was able to increase operational efficiencies, harmonize business data across regions and plants, and respond in real time to fluctuations in customer demand.

"With more than 70 plants in 10 countries, it is vital that our manufacturing and operations sites all have access to the same data, in real time," said Jesper Erichson, CIO, Arla Foods. "Enterprise SOA and SAP NetWeaver enabled us to quickly integrate our disparate systems with third-party solutions and into SAP ERP to deliver data in a timely, consistent manner throughout the organization. As a result, we are making smarter, faster decisions for production and delivering our products where they are needed, in line with the demand of our customers.

Dohle Handelsgruppe Keeps Customers Coming Back

In the highly competitive retail industry, innovations in product offerings and customer service are paramount to profitability and maintaining customer loyalty. Discerning customers require access to the latest high-quality and diverse product offerings, a positive store experience as well as competent customer service. Using enterprise SOA to create a unified landscape of SAP and non-SAP solutions by integrating IT systems across company boundaries, Siegburg, Germany-based retailer Dohle Handelsgruppe was able to reduce data errors, free up resources to work on innovations and speed time-to-reaction to better meet customer demands.

"Enterprise SOA enabled us to focus on our core business: serving customers," said Reinhard Schutte,

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CFO, Dohle Handelsgruppe. "The flexibility and efficiencies we have achieved by integrating our systems via enterprise SOA have allowed us the freedom to innovate where it matters most -- our customer experience. As a result, we are enjoying market-leading profitability and superior customer loyalty -- a primary objective for any retail business."

Hirschvogel Streamlines Project Management Data through Outlook

For Bavaria's Hirschvogel Umformtechnik GmbH, one of the world's largest automotive suppliers, tracking details of projects -- including planning documents, bills-of-materials and design documents -- is vital to the successful, timely and efficient execution of production projects. Working with the document management system within the SAP® Product Lifecycle Management application, the company has executed a project to connect with a Microsoft Outlook plug-in that enables users to seamlessly upload emails containing project details into the document management system. Using the productized enterprise services with SAP® ERP, users can easily search for project updates and other relevant information, resulting in unified project data and increased speed of product design and development.

"Enterprise SOA will soon allow us to make much better use of our investments in SAP ERP and other non-SAP applications to increase the efficiency of our product design processes," said Roland Bauerle, director, IT systems and organization, Hirschvogel. "With this solution, we aim to ensure that important project information is available for the employees who rely on it for their daily work."

STAWAG Gains Comprehensive Support for Customers

Deregulation of the utility industry left Aachen, Germany-based water and energy utility STAWAG with increased competition. The integration of STAWAG's technology systems with an external price calculation tool enabled the company to execute on a new business model that transformed STAWAG from an energy provider to a flexible service company that can react quickly and reliably to customer demand, and allows for the development of tailored services for customers in industry sectors. Using the integrated price calculation tool, the company's sales team can negotiate in real time with customers on projects and services, as well as evaluate the customer's overall value in order to appropriately offer pricing in every situation.

"The flexibility of the SAP NetWeaver platform allowed for the integration of systems in a way that now puts real-time customer data on one screen," said Torsten Boeckers, Department for strategic sales planning and management, STAWAG. "Our customer service staff can make quicker sales decisions as well as special offers to our customers. The availability of more detailed customer information helps us reach potential customers and approach them in a targeted manner even beyond the boundaries of our home base in Aachen."

"Business network transformation is a key driver behind our strategy, and SAP enables this ongoing transformation with our technology platform, SAP NetWeaver," said Klaus Kreplin, corporate officer and member of the Executive Council, head of SAP NetWeaver Technology, SAP AG. "As their business environments transform, companies need the tools to help them adapt as agilely and simply as possible. So we see companies around the world migrating to enterprise SOA in increasing numbers in order to leverage the flexibility that comes from SAP NetWeaver. And these progressive companies are already seeing the business value that comes from combining SAP's powerful platform with the initiative and know-how of their IT professionals to meet the ever-changing business requirements of today's business, across many industries."

SAP® TechEd '07 in Las Vegas, Munich, Shanghai and Bangalore

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More than 15,000 SAP customers, partners and technical experts are convening at SAP® TechEd '07 to learn how to transform existing business processes and IT landscapes and take advantage of the power and flexibility of enterprise service-oriented architecture. Celebrating its 11th anniversary, SAP's largest ecosystem education event of the year offers more than 1,000 hours of lecture-driven and hands-on sessions. SAP TechEd is being held in Las Vegas on October 1-5, Munich on October 17-19, Shanghai on November 6-7 and Bangalore on November 28-30. For more information, please visit <http://www.saptech.com/>

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Sharp Laboratories Selects EFD.V5 Engineering Fluid Dynamics Software for CATIA V5

October 2007

Sharp Laboratories Europe has selected Flomerics' EFD.V5 engineering fluid dynamics software, embedded in CATIA V5, for the design and virtual prototype testing of Liquid Crystal Display (LCD) modules for various applications in Europe. "We are very pleased that Sharp Laboratories has chosen EFD.V5. For analysis to become an integral step in the design process, it needs to fit within the product development process with minimal disruption to the workflow. Since EFD.V5 is embedded in CATIA V5, Sharp Laboratories can use a single interface for both design and analysis and take advantage of virtual prototyping at the design stage to further improve their market leading products" said Gary Carter, Flomerics' CEO. "We selected EFD.V5 because it was the most accessible Computational Fluid Dynamics (CFD) software for engineers working with CATIA V5. Analysis results are easily generated and also improve communication between different groups within the company" said Scott Boham, mechanical design engineer. "EFD.V5 will be used by mechanical design engineers with varying levels of CFD experience – from novice to expert."

Sharp Laboratories of Europe is a research center for consumer electronics and has played a vital role in Sharp's global R&D in liquid crystals since 1990. Liquid crystals occupy a state of matter in between liquid and solid, in which the materials are fluid but possess some intermolecular ordering. Liquid crystal devices are made from anisotropic organic molecules, which can change orientation on application of an applied voltage. Using this simple concept transmissive or reflective electro-optic shutters and displays can be made. LCDs have excellent image quality and exhibit features not possible in other display technologies, such as light weight, thinness and low power consumption. They have become the display of choice in many products such as TVs, computer monitors and portable media devices.

Interested readers may watch a free EFD.V5 online demo at <http://www.flomerics.com/products/efdv5/demo.php>.

To learn more about Sharp Laboratories and their technology, please visit <http://www.sle.sharp.co.uk/>

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Siemens PLM Software Technology Helps Hendrick Motorsports Win Two Nascar Nextel Cup Series Races in a Row to Take the Lead in the Chase for the Championship

19 October 2007

[Siemens PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)) announced Siemens PLM Software-sponsored racing team Hendrick Motorsports – whose cars are developed with the help of

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Siemens PLM Software technology – won back-to-back races to take the lead in the NASCAR® NEXTEL Cup Series Chase for the Championship.

Hendrick Motorsports driver Jeff Gordon, a four-time NEXTEL Cup Champion, won the UAW-Ford 500 at Talladega Superspeedway and the Bank of America 500 at Lowe's Motor Speedway to take the lead in the Chase. Teammate Jimmie Johnson, the 2006 NEXTEL Cup champion, finished second at Talladega and holds the number two position in the Chase with five races left.

“Siemens PLM Software congratulates Hendrick Motorsports and drivers Jeff Gordon and Jimmie Johnson and we wish the team good luck,” said Dave Shirk, executive vice president of Global Marketing for Siemens PLM Software. “It takes teamwork and consistency throughout the year to make the Chase but it takes focus and a commitment to being the best to stay on top. Siemens PLM Software and Hendrick Motorsports share that singular focus to be the best. Siemens PLM Software is proud of our relationship with the racing teams and, along with our customers, are pleased to know that our solutions help the teams consistently deliver wins to continue to stay on top and go for the championship.”

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Stream Processors Inc. Selects Sequence PowerTheater for Power Optimization

17 October 2007

Stream Processors Inc. ([SPI](#)) chose [Sequence](#) Design's PowerTheater for early power management and low-power architecture evaluation for their new processor design, reducing power 20-50%.

Based on SPI's revolutionary Stream Processor™ architecture, our current Storm-1 family delivers the industry's lowest Watt per GOPS (Giga Operations Per Second), and PowerTheater has enabled us to further reduce power by slashing analysis iteration cycle times by 3-4X while the sophisticated tools suite provided comprehensive feedback,” said Paul Filanowski, SPI's Vice President of Hardware Engineering. “Low power reduces package cost, allows us to meet stringent customer requirements and extend our market frontier into cost and power-sensitive markets that used to be dependent on custom, non-programmable, ASICs.”

SPI's design team used a variety of PowerTheater power management capabilities including clock gating and data gating optimizations, multi-Vt libraries and automated Wattbots. Stimulus and modal operation is also a critical part of understanding power consumption. Since SPI's product is a software programmable processor, block-level regression power testing at both typical-case and worst-case conditions was an important part of the SPI design methodology.

Positive power management in SPI's DSP platforms translates to market competitiveness; accelerated time to market, reduced costs of IC packaging and ultimate end product; improved yield and reliability; and ultimately success in the marketplace for Stream Processors, and its customers.

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Product News

Actify Enhances DesignShare by Signing With Clarizen

16 October 2007

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Actify Inc. with over 500 discrete manufacturing companies as customers and 10,000 licenses on active maintenance, announced its partnership with San Mateo-based [Clarizen](#), a leading vendor of on-demand collaborative project management software, to add their web-based project management solution with Actify's DesignShare collaboration solution, increasing the value of both products to end users.

"We are very excited to be expanding the reach of our solution through Actify's DesignShare," said Eran Aloni, VP of Product Marketing of Clarizen. "When we first met with Actify, it was obvious that the two solutions were a good fit for each other, the Clarizen solution providing global project management and DesignShare enabling global design data collaboration. Each compliments the other and brings to the end-user increased collaboration capabilities."

Clarizen offers a dynamic project management solution, allowing companies to manage multiple projects and resources through a single, web-based solution. Businesses can now stay on track with project status always being up-to-date and with interactive email alerts and notifications. When added to Actify's DesignShare, a collaboration solution based on Microsoft's SharePoint platform, users can not only manage projects effectively, but can also have access to all project-related documents, including 3D and 2D CAD files. DesignShare enables users to share, view, markup and collaborate on Actify's .3D files, as well as upload Native CAD files and other product related documents.

"I am certain that this partnership will allow our customers to take their businesses to the next level by utilizing the unique collaborative advantages of Clarizen's project management solution," said Chris Jones, President of [Actify](#). "We have already seen a strong acceptance within our customer base for this joint offering."

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And OptiTex Created Adam – in 3D

18 October 2007

[OptiTex](#) announces Adam, the newest version of its 3D male avatar. Adam further simplifies the virtual sampling process, allowing designers and clothing manufacturers to see their designs before initiating production.

Beginning in November, Adam will appear within OptiTex's 3D new Version 10 3D modules and related applications, serving as a complement to Jasmine, the female 3D supermodel and a large family of boy, girl and baby avatars. Adam's feature set significantly expands on the previous versions of OptiTex's 3D male models. Enter thirty key measurements, dozens of body morphs such as muscle tone definition, belly shape and a wide range of postures and you can create an Adam, who will model what clothing will look like on a wide variety of body types before a single pattern is cut.

Adam provides designers with significant advantages, allowing a garment to be reviewed, refined and measured before the first piece is ever cut. Designers can now stage a virtual fashion show for potential investors, without having to create samples of the actual line, saving significant upfront costs.

"Our 3D avatars, Adam and Jasmine, provide our customers with critical competitive advantages," says Ran Machtiger, CEO of OptiTex, Ltd. "Virtually every parameter of the avatars is customizable, allowing designers to see their creations come to life on the screen, virtually eliminating the expense of models and fabric waste and significantly reducing production time."

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Autodesk Delivers Inventor 2008 Update With Full Support for Windows Vista

16 October 2007

[Autodesk, Inc.](#) announced that with the release of Autodesk Inventor Service Pack 1, Autodesk Inventor software -- the foundation for Digital Prototyping -- is fully supported on the Windows Vista operating system. Customers with Inventor 2008 and Windows Vista will enjoy superior performance relative to competitive CAD systems due to native support of the Microsoft Direct3D application programming interface, the underlying graphics technology for Windows Vista and all 64-bit Windows systems.

"Autodesk is committed to delivering solutions that provide the functionality our customers require for the Windows Vista environment," said Amy Bunszel, product line director, Inventor. "Service Pack 1 for Inventor 2008 delivers a major advantage to our customers to help them maximize their work in Windows Vista."

Prior to the release of Autodesk Inventor Service Pack 1, Autodesk collected extensive feedback from Windows Vista customers so that Inventor 2008 with Service Pack 1 would deliver high-quality Windows Vista implementation and an outstanding user experience. The Service Pack resolves usability issues and enhances the overall performance of Inventor software.

Chief among the improvements is the ability to fully leverage Direct3D graphics technology. As a result, while many other CAD systems have experienced reduced performance when running on Windows Vista, Inventor 2008 has experienced an increase in performance.

"By providing native support for Windows Vista, Autodesk has distinguished itself in the CAD market," said Charles Johnson, GM, WW Manufacturing Industry, Microsoft Corp. "Their customers gain the full benefit of Direct3D graphics technology and countless other Windows Vista innovations that empower businesses of all sizes to work more efficiently."

Additionally, Inventor 2008 supports both Direct3D 9 and the OpenGL graphics cards -- so customers who have purchased high-end graphics cards for OpenGL support can still take advantage of Windows Vista as long as they have the appropriate Direct3D driver.

Inventor 2008 with Service Pack 1 provides support for the following five editions of Windows Vista:

- Windows Vista Enterprise
- Windows Vista Business
- Windows Vista Home Basic
- Windows Vista Home Premium
- Windows Vista Ultimate

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Autodesk Unveils U-Vis 360: Revolutionary Visual Integration Platform Transforms Decision-Making Potential for Federal, State and Local Governments

15 October 2007

Autodesk, Inc. announced the Autodesk U-Vis 360 Core, a new solution platform that integrates building design, manufacturing, mapping, and infrastructure data and displays it in a single visualization environment. Specifically tailored for federal and state and local governments, solutions built on the U-

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Vis 360 platform provide a complete and highly accurate 360-degree inside-outside-under view of any structure or urban environment with an easy-to-use interface.

The U-Vis platform integrates 'smart' engineering data, filters it according to specific task and then applies the appropriate interface -- either a 2D web or a 3D game engine. The result is that non-technical users at all levels of federal and state and local governments can more easily integrate, visualize and experience complete precision information and data about an urban setting or structure in a digital environment-giving them immediate access and allowing them to make critical decisions more quickly and easily.

"U-Vis 360 provides an end-to-end solution our state and local and federal government customers have been asking for-an open-architecture, user-friendly platform that lets our customers visualize and access every aspect of their urban structures and cities before they take action," said Bill Goodson, vice president, government sales, Autodesk. "With U-Vis 360, our customers can incorporate data and easily extend their current workflows throughout the entire process--from design to implementation and then out to delivery of applications most important to them: analysis, training and response. U-Vis 360 ultimately lets our customers make more informed decisions so they can reduce costs and protect present and future investments."

While the U-Vis 360 platform was first created to support the needs of defense and intelligence agencies, the widespread capabilities captured in a U-Vis 360 solution set have proven valuable in a wide variety of applications for federal and state and local governments -- including emergency response, urban planning, campus security and management, and facilities management.

U-Vis 360 enables users to incorporate existing data from commercial-off-the-shelf software, such as computer-aided design (CAD), geospatial information (GIS), building information modeling (BIM) and databases, to create complete and accurate urban environments for customers' business application and analysis needs. The U-Vis 360 Core supports the development of multiple solutions from the same sets of source data for both technical and professional users. At their fingertips, users from any level in the organization can find the top-line information they require to make quick and informed decisions, while technical users can still retain easy access to precision engineering data.

"By leveraging existing data customers already have stored in various software types, we are able to quickly create a precise and comprehensive 2D or 3D visual data integration solution containing that specific data," said Juliana Slye, director of Autodesk Government. "The U-Vis 360 family of solutions delivers cost-effective applications for decision-makers who require collaboration across the enterprise and need a complete inside-outside-under view of any structure."

Partners and Availability

Autodesk is working jointly with a number of its partners to deliver customized, powerful solutions based on the U-Vis 360 platform to specialized government markets and agencies. Several of these solutions are available today. To further Autodesk's open platform approach, Autodesk is also working with its partners to develop a software development kit (SDK) and an application programming interface (API).

More information on the Autodesk U-Vis 360 Core can be found at <http://www.autodesk.com/uvis>.

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Bluebeam Releases Bluebeam Conversion Server v3.0 for Automated File Conversion

16 October 2007

Bluebeam Software, Inc. announced the release of Bluebeam Conversion Server v3.0, for automated conversion of CAD, Office and Windows files to 11 formats including PDF, DWF, and TIF. Bluebeam adds management and reporting tools to its latest version that simplify software configuration, add administrative control and provide web-based status reports.

Bluebeam Conversion Server is installed on a server giving file conversion technology to an unlimited number of users in an organization through three interfaces: watched folders, network printer and API. IT administrators benefit from enhanced management tools that simplify setup, configuration and archiving parameters. The all new web-based Reporting Tool allows administrators to access server data remotely to monitor jobs in progress, view statistics and generate custom reports by date range.

“With the release of 3.0, we have created a better experience for our customers with additional administrative and reporting tools, more control over setup options, as well as faster overall performance,” said Richard Lee, President and CEO of Bluebeam Software, Inc. Bluebeam Conversion Server 3.0 has the ability to run multiple processors, fully utilizing dual and quad core systems to run host applications simultaneously, resulting in more through put.

[Bluebeam](#) Conversion Server is sold directly from Bluebeam and through a network of over 200 resellers worldwide. The software is priced at \$4995 for one server license which includes product maintenance for one year.

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Five-Axis Option in PowerMILL

18 October 2007

The most significant of the new five-axis options in Delcam PowerMILL is a tool-axis editing function that allows the user to select any region of a toolpath and redefine the tool-axis vectors within that region. This ability will allow users to optimize cutting conditions, in particular to give faster machining, and to avoid any sudden machine tool movements that could result in a poor surface finish. New automated functionality has also been added for much faster programming of the five-axis machining of blisks, blades, and impellers. Swarf machining has been improved by the addition of an option that forces the toolpaths to follow the surface internal lines where possible. This approach can be used to give smoother motion of the machine tool and more precise control of the cutting conditions. Improvements in simulation and verification include the ability to rotate the ViewMILL machining model both during and after the simulation. In addition, the user interface has been streamlined so that both cutting tool simulation and machine tool verification can be controlled from a single toolbar.

Five-axis simultaneous milling capability is now available in Delcam FeatureCAM for the first time, offering a variety of methods for controlling the tool axis. The user will be able to set a specific lead and/or lean angle. This can be done either to access areas unable to be reached with three-axis machining or to give better cutting conditions. Alternatively, the tool angle can be set in an orientation either to or from a point, or to or from a line. Many three-axis toolpaths generated in FeatureCAM will be able to be converted to a five-axis equivalent by using automatic collision avoidance to change the tool axis. The software will automatically tilt the cutter away from the obstacle by the specified tolerance and then return the cutting angle to the value set for the overall toolpath once the obstacle has

been cleared. Various choices will be available to control the direction in which the tool is tilted. Other new options will include five-axis trimming and swarf machining. Five-axis drilling will also be supported. This new functionality, coupled with the advanced feature recognition in FeatureCAM, will make it possible to create drilling programs in seconds even for multiple hole types and sizes. The new functionality for turning will allow a closed or open curve to be used to define the stock during toolpath calculation, so for example when machining performs (like castings or parts that have already been rough machined) the stock curve will clip the toolpaths to it, so no toolpaths are generated outside this boundary. This will result in a dramatic reduction in cutting time and minimal air cutting.

FeatureCAM 2008 also features numerous smaller enhancements and speed-ups, plus new and updated post-processors, in particular for turn-mill equipment, including the Mazak Integrex, Daewoo Puma, and Nakamura-Tome machines.

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IFS Endorses Project-Centric Approach With Applications for the Global Economy

15 October 2007

IFS announced major functional enhancements supporting Project-Centric industries. The solution provides a comprehensive application for all aspects of project, contract and asset management.

The enhanced solution, developed with customers including Aker Yards and First Engineering, supports businesses operating in industries such as Construction & Contracting, Engineering, Procurement, Construction and Installation (EPCI), Project-based manufacturing as well as asset-oriented companies. IFS' components for project-centric industries support the complete process, covering the whole project lifecycle.

The technology focuses on managing projects, contracting and subcontracting, risk management, cost management, resource allocation and payment processes, while also providing the tools to support project budgets and forecasting.

"There's a huge demand in the market from companies who are tired of trying to force-fit applications designed with a product focus into project-driven work," IFS CEO Alastair Sorbie said. "An essential element of project work is the ability to interact and collaborate with suppliers, partners and customers. Most traditional monolithic applications don't make this easy, whereas our project-centric approach enables companies to communicate and also measure success within a partnership.

"Since the mid-90s we've been developing components tailored to the needs of our customers in the project-based industries. As companies increasingly need to support enterprise-wide projects -- running simultaneously and often on a global scale -- these advances in application functionality are in demand outside of the original target industries."

Key features of IFS Applications for Project-Centric Business include:

Sales contract management enabling flexible contract numbering and improved support for copying contracts and retention management. Improved invoicing workflow and customer address selection on invoices and applications allow greater flexibility and speed.

Subcontract management supports all contractual stages and includes task management, change history and revision control along with multiple options for approval processes. Flexible payment processes, calculation and valuation methods enable agility and accuracy.

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Project budgeting and forecasting allows the creation of project-specific budgeting and proactive budget control along with multiple project forecast versions. The Periodic Cost Graph allows a graphical view of project performance against time and budget, and users can also use Project Snapshot to view detailed information from any given date and time.

Risk management functionality provides a qualitative analysis of risk and the ability to manage risk throughout the lifecycle of the project, with constant review and evaluation through severity ratings. The progress of risk reduction can be tracked, along with the overall expenditure.

IFS Applications for Project-Centric Business also integrate with Primavera Project Management, which means information can be imported from, and exported to, this external project planning module.

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

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IFS Launches Aurora User Interface and Introduces New Application Age

15 October 2007

IFS at its World Conference in Berlin, Germany, announced Aurora, an innovative enterprise application user experience designed to adapt to users' needs and ways of working. A new ergonomic design, embedded enterprise application search and integrated rich media will improve user interaction with IFS Applications, significantly improving productivity. The Aurora user interface will be made available in 2008 as an add-on to IFS Applications 7.5.

The technology is the result of IFS' long-term focus on usability and productivity. Design and ergonomics are the key to increasing usability, which is essential in getting more from an enterprise software system.

"The bland look, feel and function of enterprise applications in the workplace is no longer acceptable," IFS Chief Technology Officer Dan Matthews said. "The developments seen in the consumer sector mean that design in enterprise software is now more important than ever. Employees want the same usability they have in the latest cell phones, iPods and on the web, available to them in the office. Aurora delivers an intuitive interface that engages the user and allows them to work on their own terms.

"Sweden is famous for its design, modern lines and high functionality; this heritage is clearly visible in Aurora. The design focuses on the task to be carried out and less on superfluous tools surrounding it. The workspace now adapts to the many different sizes of flat panel displays. Aurora ensures IFS Applications can leverage the screen real estate on an engineer's 30-inch screen, while also fitting into 12-inch ultra-portable laptops used out in the field.

"Independent studies show that 'difficulty to search for and find information' and 'poor navigation around and between applications' are among the top time wasters when using enterprise software. Aurora addresses both of these with innovative solutions. By embedding enterprise application search functionality into the business system itself, the search algorithms can take into account all the nuances of the data held in the application and deliver truly relevant results. Key information is found quicker and easier as a result."

Aurora is a Rich Internet Application; web deployed using .Net and service-oriented architecture (SOA) technology. The interface uses a range of new navigation technologies such as adaptable link pages, contextual breadcrumb navigation, and visual recent screens. These combine to deliver a customizable

CIMdata PLM Industry Summary

working environment that encourages user collaboration. The interface also includes rich media notes, in-application document viewing for common file types such as PDF and Word and the ability to integrate web content into the work.

Aurora's design has been developed using feedback from users in many different industries. This has enabled IFS to refine new innovations following field-testing with key IFS customers. The rollout of Aurora to IFS customers will start in March 2008, with wider rollout later in the year.

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

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IFS Ships New Advanced Configurable CAD Integration Tool for Engineering Contractors

17 October 2007

IFS at its world conference in Berlin, Germany announced new features to further enhance IFS Applications' existing functionality for engineering contractors. A key addition is the new dedicated integration tool for efficient collaboration with tag-based CAD environments.

The company's latest release, [IFS Applications 7.5](#), includes a set of enhancements to support contractors working with engineering, procurement, construction and installation (EPCI) projects. The additions cover areas of system breakdown structure, project cost and progress, and material management.

Most significantly, the new IFS/Asset Information Integration Manager (AIIM) will complement IFS/Engineering Register, enabling engineering contractors to utilize more detailed engineering data in business critical purchasing processes. The new component is built on open standards and simplifies the integration of CAD/Design systems with IFS Applications. The tool makes accessible previously hidden CAD information on a delivered system, including tagged equipment, documents, and parts, as well as the structures and relationships in between.

"Although many ERP systems can get part numbers or material lists from modern CAD tools, the most business critical information in the CAD tools geared at contractors is stored in tags, documents and attributes," IFS Global Director for Contracting Industries Martin Gunnarsson said. "With the new integration tool, IFS Applications is able to get this data and control the information changes in an EPCI-project. Hence our customers are able to resolve potential issues with related project activities, purchase processes, etc."

The AIIM integration is capable of handling the information depth of most well-accepted denomination and definition standards, such as NORSOK, IEC, KKS and SSG. It is built on XML and with an adapter concept allowing it to be open for integration with any design system.

"Our experience also shows that our clients can be up and running with the IFS/Engineering Register in as short a time as three months, and with this flexible integration tool we make it easier to also get CAD/design tools fully integrated," Gunnarsson said.

The new integration tool is also made available to users of IFS Applications 7.

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Magma Partners with Inovys and Source III to Ensure Interoperability of Talus ATPG and Leading

Testers

15 October 2007

Magma Design Automation Inc. announced it has partnered with Inovys Corporation to ensure interoperability of Talus® ATPG and Talus ATPG-X with the Ocelot tester. Magma has also collaborated with Source III to offer a direct path from Talus ATPG and Talus ATPG-X to variety of a test programs. Magma and its partners are also developing validated feedback paths from testers to the diagnostic capability in Talus ATPG that will allow designers to further analyze the causes of device failure. With a foundation in the IEEE 1450 Standard Test Interface Language (STIL) and through its collaboration with Inovys and Source III, Magma is working to improve test quality, streamline the test flow and reduce test costs.

“For over 20 years Source III has been developing CAE tools that aid designers in the data-intensive aspects of design, simulation and test,” said John Cosley, chief executive officer of Source III. “We’re pleased to further our efforts by working with Magma to offer a direct path from Talus ATPG to test programs for a wide variety of automatic test equipment (ATE).”

“Recognizing that test is more than patterns generated by EDA tools, Magma continues to broaden its product portfolio to better address the design and test challenges of nanometer ICs,” said Kam Kittrell, general manager of Magma’s Design Implementation Business Unit. “We are also committed to partnering with other test technology leaders. Delivering interoperability with leading test providers’ products is a significant milestone in Magma’s DFT product roadmap and ensures that our products work with our mutual customers’ test equipment.”

Magma Highlights Talus ATPG and Inovys Ocelot Interoperability at ITC

Magma will be highlighting Talus ATPG and Talus ATPG-X at the International Test Conference Oct. 23-25 in Santa Clara. Demonstrations of the new products as well as the interoperability with the Inovys Ocelot test systems will be available in booth 320.

“Inovys is pleased to be working with the top EDA providers to provide a seamless path between design and test that enables semiconductor companies to reduce design debug from weeks to hours and accelerate time to production with unique failure analysis tools,” said Colin Ritchie, vice president of Marketing, Inovys Corporation. “Ensuring interoperability of Talus ATPG with our family of Ocelot test systems enables our mutual customers to further reduce the development and test costs of their advanced ICs.”

Magma is also sponsoring a luncheon at ITC, Oct. 23 at 11 a.m. featuring Dr. Mohammad Tehranipour, assistant professor in the Electrical and Computer Engineering Department at the University of Connecticut. Dr. Tehranipour will discuss the need to bring layout, timing and variation information into DFT/ATPG. To register for this event, please visit <http://www.magma-da.com/ITC>

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Magma Unveils Talus ATPG and Talus ATPG-X – Expands Design-for-Test Capabilities with Physically Aware ATPG and On-Chip Compression

15 October 2007

Magma Design Automation Inc. unveiled Talus® ATPG and Talus ATPG-X with on-chip compression. These advanced automatic test pattern generation (ATPG) products enable designers to significantly

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improve test quality, reduce turnaround time and cut costs of nanometer (nm) ICs. By integrating Talus ATPG and Talus ATPG-X into the Talus physical design environment, Magma offers the only IC implementation flow that provides true physically aware DFT.

The increased complexity and smaller feature sizes of today's chip designs make it more complicated to test manufactured ICs. New failure mechanisms are constantly emerging. Traditionally, most defects could be detected using stuck-at patterns generated by the ATPG tool using just a simple gate-level representation of the design. To maintain required defect per million (DPM) rates today, IC manufacturers must use test techniques that detect timing, layout and power-related defects. As a result, quality testing now requires the use of more fault models and time-consuming and error-prone importation of data from various design tools. Traditional ATPG tools have neither the performance nor the capacity to deliver the required level of test quality and turnaround time for nanometer.

Designed to concurrently target multiple fault models, Talus ATPG allows designers to improve test quality and turnaround time. It is fully integrated into Magma's Talus IC implementation system and leverages the unified data model architecture to efficiently access timing, layout, power and other design data that is not available to other ATPG tools. This enables Talus ATPG to generate test patterns that other tools cannot. For example, Talus ATPG can generate tests for subtle bridge defects and crosstalk. Access to the unified data model also allows Talus ATPG to support virtually all current fault-models and scale easily to support future models, and provides enhanced ease of use.

Talus ATPG includes additional capabilities that further reduce test time and test costs without reducing test quality. It is the only multi-threaded ATPG tool available, enabling it to provide higher throughput than conventional tools. Talus ATPG-X includes on-chip compression, offering a 40X reduction in test data volume. Talus ATPG also accurately diagnoses tester failures to find the logic and physical location of the defect. Diagnostic results can be passed on to Magma's Knights Camelot™ and LogicMap™ products for correlation and failure analysis with the physical and electrical defects uploaded from the Magma Knights YieldManager® product.

"As designs move to smaller geometries, we must handle new, complex defect mechanisms. Generating test patterns with traditional ATPG tools becomes more complicated and time consuming," said Camille Kokozaki, director, Design Automation Services of IDT. "We find Magma's seamless flow and tight integration of ATPG, timing and physical layout to be very compelling."

"As a recognized innovator in communications technology, we are always looking for technologies to help us be first to market," said Jeff Hannon, vice president of Engineering at Comtech AHA Corporation. "With Talus ATPG's multi-threaded engine, pattern optimization techniques, and ability to target multiple fault models in parallel we can generate more effective test patterns faster, helping us reduce turnaround time and costs on our advanced ICs."

"With the increasing cost to design and manufacture ICs, making the test process more efficient is critical – if you can't test it, don't build it," said Kam Kittrell, general manager of Magma's Design Implementation Business Unit. "The addition of Talus ATPG greater strengthens the Talus platform's test capabilities, allowing our customers to have higher confidence in their ability to build, test and profit from their IC designs."

Magma will be highlighting Talus ATPG and Talus ATPG-X at the International Test Conference Oct. 23-25 in Santa Clara. Demonstrations of the new products as well as the interoperability with the Inovys Ocelot test systems will be available in booth 320.

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assistant professor in the Electrical and Computer Engineering Department at the University of Connecticut. Dr. Tehranipoor will discuss the need to bring layout, timing and variation information into DFT/ATPG. To register for this event, please visit www.magma-da.com/ITC.

Talus ATPG and Talus ATPG-X are currently available. Please contact Magma for more product details.

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Microsoft and Dassault Systemes Launch Microsoft Virtual Earth -3DVIA

18 October 2007

Dassault Systemes (DS) and Microsoft Corp. launched Microsoft® Virtual Earth™ -3DVIA (Technology Preview). This free online application, developed by Dassault Systemes, allows consumers to imagine and create realistic 3-D models -- such as of buildings and structures -- then share them through Microsoft Virtual Earth and online communities.

"Virtual Earth -3DVIA users will be able to build a world that mixes their future projects and ideas with real-life places, buildings and structures," said Lynne Wilson, senior vice president and general manager of 3DVIA at Dassault Systemes. "Through Microsoft's online geographic location mapping technology and our 3-D modeling and realistic visualization know-how, we have created a new level of realism within Virtual Earth that provides an unrestricted freedom for creativity and innovation."

Users can download Virtual Earth -[3DVIA](#) for free and immediately begin using the fun, easy-to-use and intuitive application. Virtual Earth -3DVIA allows anyone to do the following with their ideas:

Create. With just a few clicks, users can easily design a 3-D model of their house, favorite building or any structure, then select from different visualization options, textures and colors to give their 3-D model a style of its own.

Publish. Users can upload their 3-D models to Virtual Earth, specifying an address or neighborhood so they can experience the model within a real-life context.

Share. Users can add their 3-D model to collections, and share it with friends and colleagues through Web communities.

"Our alliance with Dassault Systemes, a company that has 26 years of technology experience in 3-D modeling, will help us bring a new level of realism to Virtual Earth," said Stephen Lawler, general manager of Virtual Earth at Microsoft. "Microsoft is committed to delivering the highest-quality product for our Virtual Earth customers, and this enhancement is another step toward fulfilling that commitment."

[Virtual Earth](#) -3DVIA is being released as a technology preview to allow community feedback before the next release of the product. More information about Virtual Earth -3DVIA is available online at <http://maps.live.com/Help/en-us/VE3DVIADownload.htm>.

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MSC.Software and T-Systems Announce Partnership for Enterprise Simulation Management

17 October 2007

[MSC.Software](#) announced a partnership agreement with [T-Systems](#) Enterprise Services GmbH, leading providers of information management and telecommunication systems.

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Under the Agreement both companies will work together to provide new levels of mutual service benefit to customers across a range of automotive and aerospace manufacturers and other industries worldwide. MSC.Software will continue to develop and offer the simulation process & information management system, SimManager, and its other products from the SimEnterprise solution suite; these software offerings will be complemented by expert services in custom development, consultancy and training. T-Systems will contribute complementary technology from their successful MEDINA/SDM.Post solution, including enhanced results management and evaluation, and will be enhanced through available systems integration; especially the integration of SimManager in the customers' customized PLM environments.

"MSC.Software's ability to satisfy the requirements of our enterprise customers is dependant on a number of close and mutually beneficial partner relationships," said Amir Mobayen, Senior Vice President, MSC.Software EMEA Operations. "This partnership forms the foundation for a common goal to jointly offer complimentary capabilities which will significantly benefit our Automotive, Aerospace and Manufacturing customers."

"As a full PLM Service Provider we need to offer Enterprise Simulation Management integrated to our customers' processes and PLM Environments. With SimManager we are able to offer a market leading solution on a solid foundation," said Dr. Frank Knauer, Senior Vice President of T-Systems Enterprise Services' Solution Factory. "This cooperation allows both parties to concentrate on their mutual strengths resulting in best-in-class solutions for our customers."

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Open Design Alliance and Tech Soft 3D Announce Integration; HOOPS-Based Applications May Now Seamlessly Read DGN Files

17 October 2007

The Open Design Alliance (ODA), a non-profit industry consortium committed to promoting the open exchange of CAD data now and in the future, and Tech Soft 3D ([TS3D](#)), a leading provider of core graphics components to the engineering software industry, today announced a partnership whereby TS3D has integrated the ODA's DGNdirect libraries with the HOOPS graphics component.

With this integration, any HOOPS-based application developer who also becomes a member of the Open Design Alliance may immediately add support for reading DGN files to their application. The work of connecting these two high-level SDKs has been completed and will be made available as part of the HOOPS v16.0 release in the coming weeks.

ODA President, Arnold van der Weide, commented, "We're pleased that the community of HOOPS-based applications now has such easy access to DGN. Developers wishing to use our DGNdirect libraries and the HOOPS graphics engine in tandem will save significant time and effort, and will know that this work was completed by experienced developers who are knowledgeable with each SDK."

"We continue to seek ways to help our customers develop more robust applications, reduce their R&D costs, and get their applications to market more quickly. DGN is obviously a highly used format within engineering and we're excited to make DGN import so accessible to the entire HOOPS community," added Ron Fritz, TS3D Managing Partner.

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PERA Global Launches the First Enterprise-wide Collaboration Simulation Platform in China

28 August 2007

On August 28th, 2007, PERA Global (ANSYS-China), a leader in R&D informationization technology, and also the largest CAE technology and service provider in China, declared that the company has formally launched the enterprise-wide collaboration simulation platform. More than 400 people, including experts from different industries, leaders and news media, witnessed this important historical moment in Changfugong Hotel, Beijing.

The press conference started at 9 a.m.. First, Mr. Guoming Zhang, PERA Global President, delivered a speech on independent R&D strategies entitled "Practice with Incessant Vigor, Succeed after Extensive Preparation." He stressed that independent R&D was the general trend of development in China, and that the independent R&D of CAE would become a national policy. PERA Global's independent R&D adhered to the concept of both originating from and focusing on enterprise practices. During 10 years of growth, PERA Global developed strong technical expertise, laid a solid user foundation, gained a great deal of international resources, and accumulated extensive practical experience and knowledge, all of which grounded PERA Global thoroughly in R&D success. Since realizing enterprise demand for collaboration simulation technology, PERA Global has exercised a four-year consultation and implementation, thus mastering the key technology of collaboration simulations. After integrating the advanced platform technological elements of many other enterprises in the world, PERA Global has at long last launched their enterprise-wide collaboration simulation platform -- PERA. President Zhang pointed out that the technology would be quickly applied by enterprise users, tested by users and improved based on user feedback.

As regards the future independent R&D, Present Zhang said that PERA Global would make its technologies specialization-intensive and its application more industry-oriented. In the near future, PERA Global would be on its way towards internationalization through listing on the overseas market and having PERA products tested in the international market.

Then, Mr. Jieyong Xu, PERA Global Vice President, and Dr. Lintao Mei, General Engineer of PERA Global, made speeches respectively entitled "Simulation Technology--the Past, Present, and Future" and "PERA 2007--The Method for Enterprises in Collaboration Simulation Platforms." They pinpointed that the "product R&D of a single enterprise is a complicated systems engineering project; it requires collaboration and the integration of each part. But traditional simulation technology and process is departing away from enterprise collaboration systems and forming a simulation 'black hole'. Discrete application models not only lead to waste in a repetitive investment, but also result in an 'information isolated island' for enterprise R&D, which will reduce the chance of successful innovative R&D. To solve such a problem, PERA Global proposes the concept of 'Collaboration Simulation', advocating the combination of discrete CAE technology, process, data and knowledge to form collaboration advantages and supports the innovation and optimization of complex products."

As for the PERA platform, they said, "As an enterprise-wide collaboration simulation platform, PERA combines technological tools, management control and knowledge accumulation, the three main valuable segments in the R&D field, and it also has good scalability and compatibility. With advanced information technology, it can realize real-time centralized management of talent, technologies, data, and process, which will greatly enhance enterprise R&D efficiency and success rate."

Prof. Haicheng Yang, General Engineer of China Aerospace Science and Technology Corporation, Team Leader of the Manufacturing Informatization Expert Team from The Ministry of Science and

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Technology, and Team Leader of the Digital Military Industry Expert Team of The Commission of Science, Technology and Industry for National Defense, explained the strategy value of collaboration simulation technology in the view of the overall informatization of product R&D and digitization of military products from Chinese enterprises. In his speech, Prof. Yang said, "Simulation technology is becoming more and more important during product R&D processes for modern enterprises. But traditional CAE technologies are mostly applied to individual and isolated product levels, which is detrimental to product optimization and innovation. For this reason, there is an increasingly strong demand in China for collaboration simulation platforms. The enterprise-wide collaboration simulation platform PERA 2007 launched by PERA Global, which is emerging at the right time, supports products' R&D and innovation, and will push forward R&D digitalization." At the end, Prof. Yang showed his expectation of the collaboration simulation platform PERA and wished PERA Global great success on the way to independent R&D.

Prof. Degang Cui, Vice Director of the Committee on Science and Technology of the China Aviation Industry Corporation II, made an excellent report entitled "Demand of the Aviation Industry for Design Platforms." He said that the aviation industry was an important application field for collaboration simulation technology and had a strong demand for collaboration platforms. He drew a framework of collaboration simulation platforms that the aviation industry needed and explained the key technology of the framework for the audience. Finally, he pointed out that the PERA launched by PERA Global had met most requirements of the framework, and showed his expectation that PERA will be improved further, with PERA Global's unremitting efforts, to satisfy constantly emerging new requirements from the aviation industry.

PERA Global raised the concept of "Collaboration Simulation" in 2002, starting to name schemes PERA in the same year, then carried out its development of collaboration simulation platforms, and succeeded in many user enterprises. Mr. Lihao Ping, Vice Chief Engineer of China Electronics Technology Group Corporation No. 14th Research Institute, and Mr. Jin Liu, Vice Director of the Tank Section of the China Armament System Research Institute, attended the press conference on behalf of the actual PERA users, and delivered speeches respectively entitled "Simulation and Optimization General Platform of Comprehensive Design" and "Vehicle Collaboration Simulation Platform," with a lot of detailed application examples, which elaborated the value of the enterprise-wide collaboration simulation platform PERA, and provided valuable references for insiders present at the conference.

Other experts present at the conference commented that the introduction of the collaboration simulation platform PERA not only effectively solved the problem of collaboration simulation during R&D, but also made it possible that the sophisticated technology CAE, exclusive technology of large-scale enterprises, spread from large-scale enterprise to small and medium enterprises. Because the PERA platform comprises several scalable application modules, small and medium enterprise could select relevant application modules, then upgrade, organize and improve step-by-step based on their functional requirements. Now, the Chinese manufacturing industry, with small and medium enterprises as its main body, is facing the historic task that is transforming from "Made in China" to "Created in China." Independent innovation and improvement of product R&D quality has become the current urgent affair. The launch of PERA, undoubtedly, will promote greatly the competitiveness of Chinese enterprises.

The formal launch of the PERA 2007 platform is the first important act since PERA Global received an investment of USD 15 million from American International Group, Inc. (AIG). Mr. Zhang, PERA Global President, said the investment was mainly used for the enhancement of corporate management capacity and improvement of product R&D capacity. PERA Global would adhere to the commitment that the company made to users, and provide users with the most advanced R&D informatization

technology and service of the world.

About PERA Global (ANSYS-China)

PERA Global is a company dedicated to the development and innovation of informationization technology R&D. It provides advanced products and services around the world, assists users in optimizing R&D process, and helps enterprise users launch new products quickly and highly efficiently, with low cost and high quality. Collaboration Platform for Enterprise Simulation -- PERA is the flagship product of PERA Global that it has independently researched and developed. PERA Global, as the general agent of America ANSYS Company in China, provides Chinese users with CAE software and services under the name of ANSYS-CHINA. PERA Global is also the agent of other globally well-known brands of R&D technologies.

PERA Global has 240 employees in China, and several branch companies in eight cities, namely Beijing, Shanghai, Chengdu, Guangzhou, Shenyang, Nanjing, Wuhan and Xian. For more information, please visit <http://www.peraglobal.com>.

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Release of Visiprise Manufacturing 5.0 Marks Another Industry First

18 October 2007

Visiprise, Inc. announced the general availability of Visiprise Manufacturing 5.0. By expanding the Visiprise Manufacturing platform to now address complex assembly manufacturing, this release marks the first time a single manufacturing execution system (MES) environment is able to support multi-mode manufacturing operations for discrete manufacturers.

"Manufacturers around the world deal with multiple manufacturing environments and complex supply chain operations," said Mike Lackey, vice president of industry business units with Visiprise. "The ability to leverage one solution to handle both high-volume/low-mix make-to-stock operations and low-volume/high-mix build-to-order assembly manufacturing is a huge advancement for manufacturers operating in both worlds. Today's announcement makes Visiprise the first company to provide a single, unified system for multi-mode manufacturing processing and execution across industries."

Traceability, efficiency and quality are critical components for all manufacturers. Having a single MES that reduces the total cost of ownership while supporting a company's manufacturing process and extending supply chain - regardless of the manufacturing environment - is an industry first. Visiprise customers will now be able to capture complete component traceability, end-item-configuration management and regulatory compliance from one, single application for multi-mode manufacturing.

New functionality offered by Visiprise Manufacturing 5.0 includes:

New Production Operation Dashboard (POD) - The interface, tailored specifically to support Complex Assembly manufacturing environments, embraces Web 2.0 platform characteristics and includes a new java-based user interface that is configured to display additional manufacturing data for analysis.

Advanced Product and Process Certification - Extra validation control allows manufacturers to better enforce actions on the shop floor. Managers can supervise and validate the completion of manufacturing tasks performed on a product at an operation within a work center, ensuring verification of tasks at the point of manufacture to meet industry-specific compliance standards.

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Data Collection Enhancements for Record Management - Ensures that complete manufacturing and quality records can be moved or copied - serialization intact - to a new record, at any time during the manufacturing process.

Technical Enhancements for Implementation and Support – Implementation and performance tuning enhancements that result in more efficient processing and information exchange.

Visiprise first launched Visiprise Manufacturing in 2003 and since that time more than 200 global enterprises have embraced this integrated manufacturing execution solution

In January of this year, Visiprise Manufacturing was named an SAP-endorsed business solution, and in March, Visiprise released Visiprise Manufacturing 4.3, which built on the company's SAP integration utilizing xMII and further enhanced the user experience with improved performance and new production XML messages.

The release of [Visiprise](#) Manufacturing 5.0 is the first step in consolidating Visiprise's legacy HMS platform into a single, Java-based environment.

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Siemens PLM Software and Enigma Partner to Boost Profits in Aerospace and Defense; Joint Solution for Maintenance, Repair and Overhaul Provides Significant Cost Savings to OEMs and Operators

15 October 2007

[Enigma Inc.](#), a leader in aftermarket service and support technology, announced that the company has signed a partnership agreement with Siemens PLM Software, a division of Siemens Automation and Drives. The two companies have integrated Enigma's InService solutions with the Teamcenter® for MRO (Maintenance, Repair and Overhaul) software offering. The combined solutions are being brought to market with a focus on aerospace and defense (A&D) contractors, military branches and equipment maintainers. Siemens PLM Software and Enigma solutions help workers in the field and the depot by simplifying scheduled and unscheduled service events, improving spare parts identification and optimizing the maintenance and engineering workflow.

"Enigma's partnership with Siemens PLM Software strengthens our presence in the aerospace and defense industries, where there is a huge demand for this combination of content and asset management for maintenance," said Jonathon Yaron, CEO of Enigma. "The joint solutions make existing product and engineering data readily accessible for maintenance and material improvement programs."

According to a statement supplied by Siemens PLM Software, "By integrating service, inventory planning, diagnostics, fault isolation and fleet and configuration management, Siemens PLM Software and Enigma deliver unprecedented automation for critical aftermarket support. With an automated process for documenting maintenance activities that can be shared directly with the maintenance and engineering department, these solutions provide unique insights into the operational environment, thus driving product improvements and maintenance best practices. By increasing the speed and quality of maintenance, the joint solutions help manufacturers and operators reduce operations and logistics costs and increase equipment uptime."

The management of technical publications in A&D is challenging due to multiple content sources, diverse equipment configurations, frequent revisions/changes and complex approval processes. Siemens PLM Software and Enigma solutions simplify these maintenance challenges by providing fast access to

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information that is spread across multiple information systems, enabling engineers to quickly update and distribute technical publications, and technicians to swiftly perform maintenance and repairs.

The integrated solution combines Enigma's InService MRO, EPC (Electronic Parts Catalog) and JCG (Job Card Generator) with Siemens PLM Software's Teamcenter for MRO to provide a maintenance environment that manages asset configuration, maintenance documentation, maintenance planning and execution and illustrated parts catalogs. The resulting solution helps technicians in the field and the hangar by delivering all of the latest service manuals, spare parts and troubleshooting guides, customized for each specific piece of equipment. In addition, the solution can be easily integrated with enterprise resource planning, generating customized task cards and offering technicians critical visibility into the entire maintenance workflow.

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SMIC and Magma Announce Availability of Enhanced Reference Flow for SMIC's 90-Nanometer Low-Power Process

18 October 2007

Semiconductor Manufacturing International Corporation and [Magma® Design Automation Inc.](#) jointly announced the availability of an enhanced low-power IC implementation reference flow for SMIC's 90-nanometer (nm) process featuring Magma's Blast Power™, Blast Fusion® and Blast Create™.

The SMIC-Magma flow utilizes [SMIC](#)'s 90-nm standard cell and IO libraries with multi-threshold CMOS (MTCMOS) technology, along with Magma's low-power design flow, automatic switched domain creation, retention flip-flop insertion and power analysis for active and sleep modes, to optimize dynamic power and minimize leakage power for customer designs based on SMIC's advanced 90-nm technologies.

Blast Power, a key component of Magma's low-power design methodology, uses MTCMOS switches that control leakage power by connecting global constant power rails to local switched power rails. These switches effectively allow certain blocks in the design to be powered off depending on the mode of operation of the chip, thereby significantly reducing leakage power. It also meets leakage power requirements with libraries that automatically select the cells most suitable to control leakage. Blast Power optimizes dynamic power with flexible voltage islands that selectively shut down different regions of a chip and it uses automatic power grid synthesis to enable optimal power distribution.

"The adoption of Magma's enhanced low-power RTL-to-GDSII reference flow for our 90-nm process reiterates the commitment both companies have to helping customers deliver complex, low-power ICs faster," said David Lin, division head of Design Services at SMIC. "We will continue to build our solid relationship with Magma to provide leading-edge solutions that meet the low-power design needs of our customers."

"The availability of this enhanced low-power reference flow clearly strengthens our partnership with SMIC, a leader in IC manufacturing," said Kam Kittrell, general manager of Magma's Design Implementation Business Unit. "Our design flow provides leading-edge power optimization capabilities that enable our customers to successfully compete in many high-growth markets, including handheld devices such as cell phones and MP3 players."

The low-power reference flow guides designers through an RTL-to-GDSII methodology enabling fast, optimal timing-versus-power and area-versus-power tradeoffs at different stages of the implementation

flow. With the ability to address power considerations during implementation and within a single environment, designers can minimize the power consumption of the design and reduce turnaround time.

The low-power reference flow data package is available now for customer download. Please log in to [SMIC-Now](#), the dedicated online service for SMIC customers, to get the reference flow.

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Telelogic Focal Point 6.1 Offers Microsoft Project Integration for Optimized Product Management

16 October 2007

Telelogic announced that Telelogic Focal Point™ now integrates with Microsoft® Project® to help organizations optimize their product requirements management processes while making value-based decisions.

Through the integration with Microsoft Project announced today, Telelogic Focal Point 6.1 gives product managers visibility into project schedules, for a complete product management solution that improves product value and increases agility through the entire product lifecycle. Focal Point's visualization, prioritization, planning, and analysis capabilities help product managers set the scope of product development based on objective requirements. This value-based approach accelerates time-to-market and helps eliminate "emotional" requirements.

"Where Telelogic Focal Point comes into its own is in the dynamic way that the central repository of requirements, benefits, and cost estimates can be integrated in a very visual manner. Thus, users can interact with the information held within the solution, selecting and de-selecting alternatives to provide the most value for the least potential cost within any particular product version," said Tim Jennings, Research Director, Butler Group. "In our recent Technology Audit on Focal Point we identified the need to integrate its product planning capabilities with detailed project planning. With the new Microsoft Project integration, Focal Point now provides a better link between product management and development project management, helping product development organizations to stay on track with delivering product releases that will be valuable to the customer and the business."

"Product managers fight a daily battle to balance scope, resources and time-to-market. Most product failures are a result of poorly defined product requirements or changing business priorities that impact all three of these factors," said Ingemar Ljungdahl, Chief Technology Officer at Telelogic. "Focal Point gives these managers the tools they need to implement a value-driven product management strategy. The additional capabilities provided by our new integration with Microsoft Project further enhance product management by giving product managers the visibility they need into the status of product development projects."

With Telelogic Focal Point, organizations can focus their resources on the products that will provide the highest value by selecting the right requirements for the right markets based on the value they can deliver to that market. Focal Point automates idea capture, making it easier to gather feedback from customers and internal stakeholders. This allows product managers to have greater focus on measuring the value for each product, and enabling development teams to build project plans directly from the requirements while supporting product management best practices. Through value-based selection, product managers can balance value, timelines and resource availability to ensure success of a product, even before the development process begins.

Telelogic Focal Point 6.1 will be available in November, 2007.

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Related Announcement: Earlier this year, Telelogic introduced Focal Point Focus on Product Management, a web-based solution based upon best practices and existing product management frameworks. See the release at <http://www.telelogic.com/company/news>.

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VISTAGY Expands Portfolio of Specialized Engineering Software for Airframe Design and Assembly

16 October 2007

[VISTAGY, Inc.](#) delivered an improved version of its airframe development software specifically tailored to helping aerospace manufacturers more efficiently create large, complex airframe structures and assemblies. The solution, which is integrated into commercial CAD software, supports the end-to-end airframe development process—from design to manufacturing. As a result, engineers can quickly define and capture critical design data, easily manage hundreds of design changes, and automatically share manufacturing information across the entire enterprise and supply chain to accelerate product development while reducing errors and cost.

The airframe design-to-manufacturing process generates hundreds of pieces of non-geometric information that exist in many different formats throughout an enterprise. For example, engineering annotations critical to creating fuselage assemblies are documented in notebooks, 3D models, 2D drawings, or disparate ERP systems. Engineers strive to capture and deliver this detail accurately and completely throughout multiple design revisions to ensure the product is delivered on-time and meets certification. But, to compile and document this information or make it accessible to engineers throughout the process is a labor-intensive endeavor that introduces errors which may impact time-to-part. In addition, defining thousands of items such as fasteners, joints and detailed parts or creating manufacturing documentation is also a manual, time-consuming process. All this complexity, along with the pressure to deliver products to market faster, places enormous demands on engineers and their traditional development tools.

“VISTAGY’s airframe development software reduces the complexity and manual work previously required for defining aerospace assemblies by automating the processes required to meet manufacturers’ strict specifications,” states Bob Flory, vice president of product development at VISTAGY, Inc. “Our solution does this by enhancing traditional CAD software with tools exclusively for creating airframes. As a result, aerospace engineers can work in their existing development environment while leveraging powerful specialized tools for capturing, managing and sharing all the specific information needed to rapidly create aerospace parts that meet the original design intent.”

The integrity of an airframe lies in how it is assembled—what fasteners are used, how joints are mated, what sealants are used, and how far fastener holes are located from each other and the edge of the part. Most of this information is non-geometric data critical to the manufacturing process, but not easily associated with or stored in the CAD model. But, because VISTAGY’s solution is integrated into CAD software, engineers can define this data, automatically associate it with the proper CAD model surfaces, and easily update or change the design—all from one single master model. As a result, changes in product design are instantly propagated throughout the product definition, and information required to produce manufacturing documents that define conditions of supply can be instantly generated to streamline the manufacturing process.

VISTAGY’s customers are currently realizing significant benefits by solving the following types of challenges using its airframe development solution:

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- **Avoiding errors** – Ensuring the latest iteration of a product design or assembly reflects the most up-to-date information concerning materials, sealants, adhesives or fasteners to help engineers create an accurate part;
- **Managing design changes and understanding their impact** – Changing a fastener’s diameter, for example, impacts not only the corresponding hole, but also the distance to edge, distance between other holes, and all other parts in the assembly. These changes can be evaluated, propagated and applied automatically to the entire assembly using the software;
- **Creating assembly states and build-to packages** – Defining manufacturing information to be consumed by suppliers that communicates exactly how to build a specific part for the appropriate stage in the assembly process, and what it should look like prior to shipping. This reduces supplier errors and costs for re-worked parts;
- **Automatically generating bills of material** – Populating required manufacturing documentation with engineering data and automatically generating bills of material or reports to reduce the amount of tedious, manual work required to create these forms;
- **Generating OEM requirements** – Publishing detailed design data directly to the CAD software specification tree to ensure engineers can work in their existing development environment while realizing the benefits of VISTAGY’s specialized capabilities;
- **Interfacing with manufacturing machines and systems** – Seamlessly sharing manufacturing data and files with downstream systems including automated deposition machines, drills, cutters, and lasers;
- **Generating output for quality planning** – Enabling quality planners to consume design and manufacturing data from the master model to verify and certify that parts are manufactured, installed and assembled properly and according to the design intent. Quality professionals can also verify various assembly states.

VISTAGY’s airframe development environment has helped customers in some cases deliver products in half the time it previously took. Approximately 35-40 percent of the initial cost of development is attributed to the process of capturing data to document designs. VISTAGY’s software automates this process to eliminate those manual tasks, reducing data entry time by 70 percent and providing up to a four-to-one total time-savings in defining and capturing non-geometric information and design changes. And of those design changes, approximately 40 percent are due to errors in authoring the initial design. Typically, at up to \$20,000 per change, being able to use VISTAGY’s software to avoid even half of these errors translates into several million dollars in savings.

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