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CIMdata News

Jaguar Land Rover Executive, John Knight-Gregson, to Join the Keynote Lineup at CIMdata's PLM Road Map™ 2012

4 September 2012

CIMdata, Inc., the leading global Product Lifecycle Management (PLM) management consulting and research firm announces that John Knight-Gregson, i-PLM Program Lead at Jaguar Land Rover (JLR), will make a keynote presentation at PLM Road Map™ 2012. The keynote lineup also includes presentations by automotive expert Dr. David E. Cole, Georgia Institute of Technology's Professor Dimitri Mavris, Dana's Frank Popielas, EADS' Tristan Gegaden, CAD Software Entrepreneur Jon Hirschtick, and Ford's Mark Johnson. PLM Road Map 2012 will take place at the Inn at St. John's on October 2nd and 3rd.

PLM is a very popular concept, vision, or strategy that is designed to deliver improved business capabilities and achieve competitive advantage. Many have embarked on the PLM journey deploying a range of solutions to eliminate waste, reduce time to market, accelerate new product creation, improve collaboration, and open innovation, but few have actually achieved the benefits of "true PLM."

Following its acquisition by Tata Motors and the transition from Ford Motor Company ("Clone and Go" project), JLR inherited inefficient processes and a complex legacy application landscape. Since then, JLR has embarked on a PLM transformation journey to reconnect management to the product by making data more accessible and better related to the virtual product. The i-PLM program was conceived in 2008 as a business transformation program to implement a true PLM solution aimed at creating a "single source of truth." Its outcome will enable business information to be made widely available and reusable with data "created once and used many times." In his keynote presentation, "PLM Transformation: Setting Up the Program Framework," John Knight-Gregson will take PLM Road Map attendees through JLR's PLM transformation story, which has been supported by Tata Technologies. He will describe the key success factors, including a robust program management methodology associated with stakeholder

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governance to support organizational and cultural changes that are required to transform the business and realize the full business benefits of the new PLM processes.

PLM Road Map 2012 is the must-attend event for industry executives and PLM practitioners globally—providing independent education and a collaborative networking environment where ideas, trends, experiences, and relationships critical to the industry germinate and take root. It is a strategic conference focused on how companies are successfully employing PLM strategies and enabling solutions to meet challenging product development, manufacturing, and deployment issues. PLM Road Map 2012 is a two-day event that will challenge attendees to shift their current thinking to a new level in a series of presentations focusing on the global transformation of product development and innovation processes. PLM Road Map 2012 is the leading international event that helps companies leverage cross-disciplinary and cross-industry knowledge and feedback to smooth and speed their PLM journeys. For more information on PLM Road Map 2012, visit our website at: http://plmforesight.cimdata.com/index.cfm?content=include_conference12.cfm

About John Knight-Gregson, i-PLM Program Lead at Jaguar Land Rover

John Knight-Gregson is the i-PLM Program Lead accountable for PLM vision and strategy at Jaguar Land Rover (JLR). John is responsible for delivering the new PLM solution (with Dassault Systèmes' V6 at its core), known as i-PLM. John has had a long engineering career at Jaguar Land Rover (30 years), starting in Power Train Design and Development, progressing to managing CAD and CAE, running PD IT, being the JLR PMTI (Process, Method, Tools, Information) voice into Ford, managing the Tools and Technology group, and designing and delivering the JLR PLM Strategy across the company.

John was instrumental in his previous roles in delivering robust quality business-driven PMTI solutions. He was also a key player in ensuring operation continuity during the ownership transition from Ford to Tata Motors.

John has a B.Sc. in Mechanical Engineering from Salford University and whilst with Jaguar Cars he obtained a master's in Advanced Technology from Aston University.

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic management consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding in 1983, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM-enabling technologies.

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

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worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia-Pacific. To learn more about CIMdata's services, visit our website at www.CIMdata.com or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495 533 666.

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Company News

Advanced Solutions Celebrates 25 Years of Delivering Innovative Software Solutions

6 September 2012

Louisville-based Advanced Solutions will celebrate its 25th anniversary with a celebration September 18th at the Muhammad Ali Center in Louisville, Kentucky. Since its founding in 1987, Advanced Solutions has grown from one location in Louisville, to 15 regional offices across the Midwest and East Coast, delivering software solutions to professionals in the architecture, engineering, construction (AEC), civil engineering and advanced manufacturing industries.

President and CEO Michael Golway, who acquired Advanced Solutions in 2004, has led the organization on a steady path of strategic growth. Recognized as Autodesk Worldwide Partner of the Year in 2007, Advanced Solutions is now the second largest Autodesk partner in North America and fifth largest partner in the world. Advanced Solutions earned Platinum status from Autodesk in September 2011 highlighting the value of the knowledge, service and support the company delivers to its customers. There are nearly 2,000 Autodesk resellers worldwide, and Advanced Solutions was one of only nine at the time to receive this authorization.

"We're growing and constantly becoming better at what we do. Our strategic plan outlines key areas for improvement, and we have defined a path that we believe will continue to help us continue to grow over the course of the next 25 years," said Golway.

To celebrate its 25th anniversary, Advanced Solutions is honoring employees and customers with an appreciation reception to celebrate the company's many accomplishments. This exclusive event will include lunch, special addresses by Autodesk industry executives, University of Louisville Cardinals Coach, Rick Pitino, as well as industry specific round table and panel discussions with Autodesk and Advanced Solutions leaders.

For additional information about Advanced Solutions, Inc., please visit their website at www.AdvancedSolutions.com.

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Agilent Technologies, Concilium, University of Pretoria Join Forces to Create Computer-Aided Education Center

5 September 2012

Agilent Technologies Inc. today announced that it has worked with Concilium Technologies and the department of electrical, electronic and computer engineering at the University of Pretoria, South Africa, to develop one of the largest electrical engineering training laboratories in the world.

The lab was officially opened yesterday by Cheryl de la Rey, vice chancellor and principal of the University of Pretoria, and Benoit Neel, Agilent vice president and general manager of field operations for Europe, the Middle East and Africa.

"Agilent is honored and proud to contribute to the education of the South African engineering community," Neel said. "Students at Pretoria University will be trained on the best scientific test and measurement equipment used in the industry around the world. Working with Concilium, Agilent will contribute significantly to the country's educational development for engineers."

"South Africa has a dire shortage of engineers, and Concilium Technologies is committed to the development of technical education in South Africa," said Steve Alves, managing director of Concilium Technologies. "We have various donor programs from grade 11 science learners, bursaries for promising students in engineering at tertiary level, and life skills and practical work experiential training for technicians completing their studies. For the budding engineers, Concilium works closely with universities in providing lab equipment and support for undergraduates and post graduate students."

The Agilent-Computer Aided Education Center is a large undergraduate laboratory that has 144 workstations, each fitted with an [Agilent DSOX2002A digital oscilloscope](#) with a built-in function generator, a [U3401A 4 1/2 digit dual-display digital multimeter](#), an [E3630A triple output DC power supply](#) and various RF design and analysis software programs. It is the largest laboratory of its kind in South Africa.

First and second year engineering students across all disciplines of engineering perform internships here as part of their training in electronic circuit theory in a number of different undergraduate modules. Around 2,000 undergraduate students per semester will benefit from this laboratory.

Agilent instruments were selected to ensure students benefit from being exposed to quality industry-standard equipment from the first year. Five years of promised technical and maintenance support from Concilium Technologies will enable the department to have an optimally functioning facility.

Equipment for lab that was donated by Agilent includes U3401A digital multimeters, vector signal analysis software, WLAN analysis software and [Advanced Design Software](#), including [SystemVue](#) and [EMPro](#). The networked software will benefit senior undergraduate and

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postgraduate students as they can use it in their project design simulations and research. The approximate commercial value of this software is \$15 million.

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Bentley's 2013 Student Design Competition Call for Submissions Now Open

5 September 2012

Bentley Systems, Incorporated, today announced that the call for submissions in Bentley's 2013 Student Design Competition, sponsored by *Be Careers Network*, a continuous learning initiative of Bentley Institute, is now open. University, college, high school, and technical school students are invited to submit projects designed using Bentley software, along with a short essay describing their work. Project submissions will be judged by an independent panel of distinguished educational leaders and industry professionals from around the world. The judges will focus on creativity and skill in applying design and engineering principles. The competition welcomes individual and team efforts comprising no more than three members. All submissions must be received by April 5, 2013. Bentley will award a \$2,000 scholarship to the winning individual or team in each of the categories at the college/university level, and a \$1,500 scholarship to the winning individual or team at the high school/technical school level.

"As engineers with years of experience enter retirement, infrastructure organizations around the globe seek new talent with knowledge of advanced information modeling software to design, build, and operate better-performing, more sustainable infrastructure," said Scott Lofgren, global director of *Be Careers Network*. "The Student Design Competition is one of the many ways in which our *Be Careers Network* encourages high school students to explore careers in the infrastructure professions, and helps university and college students who have already selected this career path acquire the commercial software skills they'll need to secure employment upon graduation."

University, college, or community college students can submit projects in one of five categories: "Architectural Design," "Road or Bridge Design," "Rendering Using MicroStation," "Engineering," and "Solving a Problem With GIS Technology." High school and technical school students can participate in the "Design an Efficient Retail Center" category. Submissions in each category must make clear the project's problem, intent, and solution, and support the design models with architectural or engineering drawings using any of the applications in Bentley's comprehensive portfolio of software for sustaining infrastructure.

Students, along with their winning projects, will be recognized at their respective schools. Each winner or winning team will receive a handcrafted award for display at school. Winners and winning teams will also be able to choose 10 seats of Bentley software – from the more than 50 products available through the academic subscription – for use by their schools.

For additional information about the submission process or to fill out a submission form,

visit www.bentley.com/studentdesign.

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CD-adapco's Japan Office Now Directly Sells es-ice

4 September 2012

CD-adapco is pleased to announce it is directly selling the IC engine simulation tool, "es-ice" in Japan. Japan is one of the most important markets for CD-adapco's IC engine simulation solution business. The Japanese office has been working closely with CD-adapco developers, experts and engineers to ensure that customers in Japan receive the same excellent standard of service experienced by CD-adapco customers across the world.

With an ever-increasing emphasis on emissions - from legislators and consumers alike - and increased focus on decreased fuel consumption and development costs, the challenges for Powertrain teams continue to grow. Whether it's a new fuel, new combustion mode or a new lightweight material, realistic simulation is an integral tool in successfully bringing new technologies to market. STAR-CD and es-ice form the highly used CFD code for engine simulation, and together provide a full toolkit of simulation capabilities for the design analysis of Internal Combustion Engines.

Atsushi Habu, CD-adapco's Director of Sales, Japan stated, "I believe that a true partner can support your competitive advantage and inspire your innovation by delivering quick and accurate solutions, independent of the constraints of your design process. CD-adapco is absolutely committed to continue improving both product's quality, from both a software development and support perspective, in order to maximize customer value."

Please contact CD-adapco at info-jp@cd-adapco.com for more information.

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CDS Opens New US Satellite Office to Support Continued Growth

4 September 2012

[CDS](#) (Catalog Data Solutions), today announced opening of a new US satellite office in Orem, UT to support accelerating growth.

"As CDS continues to grow organically with existing and new customers we simply out-grew our San Jose office space. Opening the new Orem office has many advantages including lower costs and the ability to attract and hire engineering talent from local universities," said John Major, CEO, CDS.

"Project teams based at the new office will build [online product catalogs](#), [configurators](#) and [CAD downloads](#) for industrial suppliers. CDS customers will only be advantageously affected by, for

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example, technical support now being a time zone closer to our Midwest and East Coast customers. All software development, sales and marketing functions will remain in our San Jose office.”

Visit www.go-cds.com to learn more about CDS or to download numerous manufacturer and distributor case studies.

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China’s Ministry of Education to Use Siemens PLM Software Technology to Certify Engineering Talent

5 September 2012

Siemens PLM Software today announced the signing of a long-term memorandum of understanding (MOU) with the Education Management Information Center of the People’s Republic of China Ministry of Education (MOE). The MOU establishes cooperation between the two parties to support the National Computer-Aided Technology Certification Project (CAXc Project) aimed at cultivating innovative engineering technology talent and enhancing career competitive advantages for China’s university and secondary vocational school students.

“We are very glad to have Siemens PLM Software as our partner and look forward to working together to carry out the certification and training of application engineers in computer-aided technologies,” said Xue Yumei, Division Chief of the Education Management Information Center under China’s MOE. “It is widely known that Siemens PLM Software holds a leading global position with its industrial software products and technologies. The cooperation between us will play a critical role in promoting engineering teaching system reform in universities and other educational institutions in China, guiding the schools to actively cultivate engineering talent, improve students’ professional skills and career competitive advantages, and accelerate the training of compound IT talents to meet social needs.”

CAXc Project pilot sites have been established at educational institutions across China to train and certify tomorrow’s engineering technology workforce and expand the influence of computer-aided design, manufacturing and engineering (CAX) subjects. Through Siemens PLM Software’s Global Opportunities PLM ([GO PLM™ initiative](#)) academic partner initiative, both Siemens and the MOE are committed to growing the number of CAXc Project sites and students across China to reach more than 20,000 certifications per year by 2016.

The CAXc Project has established the official Application Engineer for Computer-Aided Technologies certification process which China’s MOE and Siemens will leverage to help accelerate the development of certified industrial IT talent, boost the application of computer-aided and digital technologies in the field of engineering, and promote internships that include industry-based practical training for students.

“We are pleased to sign this long-term MOU establishing cooperation with the Education Management

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Information Center,” said Leo Liang, Vice President and Managing Director, Siemens PLM Software for Greater China. “We attach great importance to our cooperation with the Ministry of Education on the training of new engineering talent.”

“Together with China’s MOE and educational institutions, Siemens will leverage our GO PLM program to cultivate and train tomorrow’s outstanding digital design and manufacturing management workforce,” said Bill Boswell, Senior Director of Partner Strategy, Siemens PLM Software. “This cooperation extends our already robust student certification program in China to tens of thousands of additional students.”

Both parties signed the MOU in Beijing, China, on July 27, 2012. Xue Yumei, Xu Shoufeng and Wang Lijun, Directors of CAXc Project Management Office of the Education Management Information Center, Leo Liang, and Chijen Hsu, Director of Siemens PLM Software Shanghai Research and Development Center, attended the signing ceremony.

Siemens PLM Software’s Global GO PLM initiative delivers PLM software technology to more than one million students yearly at over 11,400 institutions globally. The software provided through GO PLM is used at every academic level – from grade schools to graduate engineering research programs. Through the GO PLM program CAXc participants can access Siemens PLM Software’s [NX™ software](#) for integrated computer-aided design, manufacturing and engineering analysis, [Teamcenter® portfolio](#) for digital lifecycle management, [Tecnomatix® portfolio](#) for digital manufacturing, process development, simulation and automation, and [Solid Edge® software](#), a complete hybrid 2D/3D CAD system for the mainstream market.

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IFS Enters into Strategic Global Partnership with Mahindra Satyam

4 September 2012

IFS has announced that it has partnered with Mahindra Satyam for joint sales and marketing activities around the IFS Applications software suite as well as staff training.

The agreement covers joint marketing, including sponsorship of the 2012 IFS World Conference, which will be held in October in Gothenburg, Sweden. The companies will cooperate on a number of key market opportunities and are already working together on a number of large projects.

Alastair Sorbie, CEO of IFS said “We are pleased to announce the global partnership with Mahindra Satyam. Developing our partner ecosystem is a key part of our global strategy and increases our execution capabilities. Mahindra Satyam’s industry focus and experience is a perfect match for IFS, as is the company’s dedication to providing service excellence to their customers. Combining IFS’s leading-edge technology with their domain knowledge and global coverage enhances our offering to new and

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existing customers.”

Commenting on the occasion, C P Gurnani – CEO of Mahindra Satyam said “We see great opportunities in the partnership with IFS, especially given their success over the last years. IFS’s consistent performance and impressive list of world-renowned customers make them an ideal partner. We look forward to a long and mutually beneficial partnership as we continue to develop new opportunities together.”

About Mahindra Satyam

Mahindra Satyam is a global business consulting and information technology services company leveraging industry and functional expertise, technology practices and a global delivery model to help businesses transform their processes and improve performance. The company's professionals excel in enterprise solutions, supply chain management, client relationship management, business intelligence, business processes, engineering and product lifecycle management, infrastructure services, among other services.

For more information, see <http://www.mahindrasatyam.com/>

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IMAGINiT Technologies Earns Autodesk Simulation Specialization in Canada

5 September 2012

[Rand Worldwide](#) today announced that [IMAGINiT Technologies](#) has been awarded the Autodesk Simulation Specialization designation for Canada. IMAGINiT was one of the first Autodesk channel partners to receive this title in both the Asia Pacific region and in the United States and is now proud to announce it has also earned this formal designation for Canada. In addition to this new designation, the recent acquisition of Informative Design Partners significantly deepens IMAGINiT’s offerings in both computational fluid dynamics consulting and thermal simulation analysis.

By completing the required curriculum and training, as well as meeting high levels of service and standards, Autodesk once again recognizes that IMAGINiT experts are trusted business advisers to their clients.

“This coveted designation bestowed by Autodesk reconfirms our leadership position in the Canadian marketplace. Combining this designation with the recent acquisition of Informative Design Partners continues to demonstrate our commitment to advancing our manufacturing clients through the adoption of new tools that help predict, validate and optimize their designs prior to manufacturing,” said Bill Zavadil, senior vice president of worldwide services at IMAGINiT Technologies. “Adding this designation to a growing list of specializations and adding nationally recognized simulation experts to our team underscores IMAGINiT’s approach of investing in our professionals who are trained to work strategically with clients to achieve their business goals.”

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IMAGINiT has invested significantly in certifying members of their team. IMAGINiT Simulation Specialists are trained to work with Autodesk products to help clients improve collaboration, design better and safer products, save time and reduce manufacturing costs. This designation signifies that IMAGINiT experts demonstrate an understanding of simulation, fluently represent and support the Autodesk products that make simulation possible, and recognize and convey the business benefits that simulation offers.

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MecSoft Corporation Partners with RC Enterprises

5 September 2012

MecSoft Corporation, the developer of computer aided manufacturing (CAM) software solutions, has announced today a partnership with RC Enterprises.

“We are excited about our new partnership with RC Enterprises,” states Anita Anand, VP of Sales and Operations at MecSoft. “RhinoCAM bundled with a TruCut machine will provide a powerful productivity enhancement tool for the users.”

RC Enterprises, the parent company of the brand TruCut CNC™, was established in 2008 with the goal of providing high performance shop automation at affordable prices. All products made by RC Enterprises are manufactured in Nashville, Tennessee. “We are excited about the opportunity to offer our customers a high end, yet easy to use, CAD/CAM solution at a very reasonable price,” said CEO of RC Enterprises, Ross Carlisle. “The quality of parts produced by our machines depends on quality software. We are confident that RhinoCAM will deliver the results that our industrial clients demand.”

RC Enterprises will sell RhinoCAM alongside their CNC cutting tables to insure their customers are using a high quality and easy-to-use CAM solution while working in the Rhinoceros CAD program.

For the latest news and information, visit www.mecsoft.com

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More than 90% of Customers would Recommend Delcam

6 September 2012

In a recent survey of Delcam's UK customers, more than 90% of respondents replied that they would definitely recommend, or that they were likely to recommend, other companies to buy CAD/CAM systems from Delcam. Less than 1% said that they were unlikely to buy from Delcam again, with none saying that they definitely would not.

The value-for-money ratings were similarly enthusiastic, with 85% saying that Delcam's software was excellent or good value. Less than 1% rated the value as poor and none as unsatisfactory.

Among Delcam's service departments, the highest praise went to Delcam's Help Desk, which provides telephone support to users. More than half of respondents rated its service as excellent, with over 40% more giving a good rating.

Similar results were given for the company's installation and training staff. Their services were also rated as excellent or good by more than 90% of customers, with no replies indicating that they were either poor or unsatisfactory.

"The results of the survey are extremely encouraging," commented Delcam UK General Manager, Steve Creron. "We have the largest and most experienced support teams in the UK CAM industry, and this survey has confirmed how highly these services are rated by our customers."

"Our sales of new software in the UK are at their highest levels for many years," claimed Mr. Creron. "Many of those sales come from recommendations from our existing customers, with others coming from companies that have received poor support from their previous software supplier. The high satisfaction ratings for our support services, combined with our industry-leading levels of investment in CAM development, make me confident that we will continue to increase our market share."

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Nemetschek and CABR Technology Sign Strategic Partnership

4 September 2012

Nemetschek AG and CABR Technology Co., Ltd, signed a strategic partnership in Beijing.

Mr. Jiefeng Xu, President of CABR Technology Co. Ltd and Ms. Tanja Tamara Dreilich, CFO of Nemetschek AG signed the Memorandum setting out the terms of their three-year strategic partnership. CABR and Nemetschek agreed to work closely with the objective to promote and implement Building Information Modeling (BIM) in the China AEC industry, to strengthen the products integration, the brand influence of CABR TECH and NEMETSCHKEK, to support the growth of BIM in

CIMdata PLM Industry Summary

China, and to contribute to technical development of the China AEC industry.

Under the partnership memorandum, CABR and Nemetschek will endeavor to work closely on:

- Establish BIM data format and data format which is suitable for the Chinese market
- Led by CABR, Nemetschek participates in the research projects of the Chinese BIM standard
- Development of the software interface between the two companies and the start of other possible technical and commercial cooperation in the field
- BIM implementation for collaborative work with sustainable design

Commenting on the new partnership, Mr. Jiefeng Xu, president of CABR Tech, said, "Nemetschek is a company with strong and comprehensive capabilities across all segments of the AEC industry. Our new Memorandum of Understanding with Nemetschek lays the groundwork for broad and in-depth cooperation between our two companies in technology, product, and business areas, and is a significant milestone in driving new technology development in China's engineering and construction industry."

Ms. Tanja Tamara Dreilich, CFO of Nemetschek AG, said, "We look forward to working with the innovative CABR Tech team on important initiatives that will help take BIM workflows in China to provide a new level of productivity to the AEC industry. Our goal is to help empower all AEC practitioners across the region to choose BIM tools that best fit their need for each project task while benefiting from sustainable multidisciplinary, integrated workflows with the help of Nemetschek's Open BIM approach."

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Siemens PLM Software Consecutively Named HP AllianceONE Partner of the Year

5 September 2012

[Siemens PLM Software](#) today announced that it has received the 2012 HP AllianceONE Partner of the Year Award in the Technology Solutions category. This is the second straight year that Siemens PLM Software received an [HP AllianceONE Partner Program](#) award.

The HP AllianceONE Partner Awards recognize HP business partners' outstanding accomplishments in the development and delivery of innovative HP based solutions that raise the standard for business excellence and client satisfaction. Winners are chosen for delivering solutions that drive meaningful business results for shared customers. In 2011, Siemens PLM Software received the award in the Converged Infrastructure Solutions category for Manufacturing and Distribution Industries.

Siemens PLM Software's innovation and leadership in developing product lifecycle management (PLM) technology were key factors in the company being named an HP AllianceONE Partner of the Year. Siemens PLM Software was the only PLM vendor recognized for an award among more than 4,000 HP AllianceONE Partner Program participants.

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“For Siemens PLM Software, this award exemplifies our direction and focus of developing valued-added solutions with our SI Partners,” said Caroll Jarvis, vice president, Global Alliance Sales, Siemens PLM Software. “Our relationship with HP leverages the full portfolio of products and services between our companies, providing unmatched value to our mutual customers. Our joint solutions drive meaningful business results across the enterprise.”

“IT sprawl and siloed infrastructure are the primary barriers to the speed and agility customers require to keep pace with enterprise demand,” said Doug Oathout, vice president, Global Marketing, Enterprise Group, HP. “HP and AllianceONE partners like Siemens PLM Software collaborate to help customers improve agility and reduce costs through the use of HP Converged Infrastructure.”

Siemens PLM Software has been an HP partner for nearly 25 years. For companies who need to move quickly, operate smarter, and run more efficiently to stay competitive, Siemens PLM Software and HP provide a single source for complete PLM solutions, integrating hardware, software and services into existing technology environments and business processes through HP Converged Infrastructure.

The joint solutions are designed to improve business outcomes, enable responsiveness, and for quick deployment. Instead of having to select, configure, integrate and maintain separate infrastructure, software components, consulting and service providers, companies rely on Siemens PLM Software and HP to deliver complete PLM solutions optimized to achieve quick time-to-value and sustainable growth.

To learn more visit www.siemens.com/plm/hp or www.hp.com/solutions/SiemensPLMSoftware.

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Software Developer LEDAS Sets Second Consecutive Revenue Record

3 September 2012

LEDAS Ltd., a provider of services for CAD/CAM/CAE/PDM market, today announced that its volume of projects and annual revenues set new records for the company for the second year in a row. The company last year significantly increased the scope of its services, leading to growth in both domestic and worldwide sales. Especially impressive was its growth in the Russian market, which increased by more than 100% over the same period last year.

“LEDAS for many years focused on the worldwide market, and so we made no special effort to win contracts at home in Russia,” says Alexey Ershov, CEO of LEDAS. “But with increased activity from Russian CAD vendors such as ASCON and Top Systems, together with a big government contract for the development of the new 3D modeling kernel, expanded our view. Our company at the same time landed major contracts with customers in western Europe and USA.”

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The scope of the company's current focus is characterized by projects such as these:

Russian Geometric Kernel (RGK) is a brand new software kernel for 3D modeling, and development is being financed by the Russian government. While comparable with Parasolid in functionality, RGK incorporates the kinds of novel features expected of next-generation kernels. LEDAS's involvement in this prestigious project is to develop key components whose implementation requires advanced skills in mathematics and computer sciences.

JETCAM International is a market leader in aerospace and sheet metal industries for nesting and material lifecycle management software. JETCAM outsourced to LEDAS development and upgrades of its primary CAM products. In addition, LEDAS provides general support for JETCAM and CrossTrack software, and even developed advanced features on the request of two major JETCAM customers.

Bricsys NV engaged in a series of large software development contracts with LEDAS to enhance their Bricscad CAD software through direct modeling capabilities. In October 2011, Bricscad acquired the intellectual property rights from LEDAS for LGS 2D, LGS 3D, Driving Dimensions, RhinoWorks, and other original software well-known globally by the CAD industry. Bricsys has since signed an agreement with LEDAS to become the service provider and a reseller for these software products.

ASCON is a leading Russian CAD vendor, and in 2011 contracted LEDAS to develop the state-of-the-art variational direct modeling (VDM) technology for its KOMPAS-3D mechanical design system. Today, the VDM component is ready for the next release of ASCON's flagship product. In addition, LEDAS operates as a value-added reseller for ASCON's products, including the newly released C3D geometric kernel.

About LEDAS

LEDAS Ltd. is a private, employee-owned software company founded in 1999. It provides software development and consulting services in the field of engineering software, and is a well-known developer of constraint-based tools and component technologies for the CAD/CAM/CAE/PDM market.

More information about LEDAS is available at www.ledas.com.

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Survey Says Over 90 Percent of Pump Designers Rank Improving Design Efficiency as Number One
6 September 2012

[Advanced Design Technology](#) (ADT), today announces the results of its 2012 Pump Design Survey, which set out to identify opportunities for using 3D inverse design technology in pump designs. In response to the survey results, ADT has launched its ADT Pump Efficiency Initiative to provide pump design services applying TURBODesign Suite for systematic pump optimization. Pump design companies and original equipment manufacturers can benefit greatly from ADT's initiative. ADT

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estimates that every participant in its ADT Pump Efficiency Initiative will receive over \$20,000 USD in pump design services provided with software access for evaluation purposes.

ADT's 2012 Pump Design Survey, conducted via email with ADT customers and prospects, directly targeted pump design engineers at consulting and original equipment manufacturing companies. The survey results showed that improving impeller designs for better efficiency was very important for the majority of the respondents—84 out of 90.

“As any pump designer knows, the impeller plays a key role in pump system operation and has the largest impact on the overall system efficiency,” said Mehrdad Zangeneh, professor of thermofluids at University College London and founding director of ADT. “With TURBOdesign Suite, there are some exciting opportunities that designers can leverage for systematic improvement of pump stage performance.”

The survey results reflect the responses of 90 participants who were asked to state whether certain performance targets are 1) not important at all, 2) somewhat important, or 3) very important.

Pertinent findings from the ADT 2012 Pump Design Survey include:

- 84 of 90 respondents stated that improving impeller design for better efficiency is very important.
- 79 of 90 respondents stated that improvement to pump stage efficiency is very important.
- 65 of 90 respondents stated that improvement to pump stage cavitation performance is very important.
- Just 50 of 90 respondents stated that reduction in manufacturing costs was very important.

“It is clear to us why impeller efficiency is so important to pump manufacturers,” added Zangeneh. “Reports show that in some industries energy and maintenance costs can account for up to 70 percent of the total pump life cycle costs. Considerable savings can be achieved with improved impeller designs.”

According to [*Pump Life Cycle Costs: A Guide to LLC Analysis for Pumping Systems*](#), by the Hydraulic Institute, Europump and the U.S. Department of Energy's (DOE) Office of Industrial Technologies (OIT), pumping systems account for nearly 20 percent of the world's electrical energy demand, and from 25 to 50 percent of the energy usage in certain industrial plant operations.

“TURBOdesign Suite has already been proven to provide designers with an accessible platform for systematic development of reliable and highly efficient pump systems across a wide range of operating points and speeds,” commented Zangeneh. “So, we decided to launch the ADT Pump Efficiency Initiative. We are offering our design services for free to enable companies to evaluate the software and see first-hand how to make their pumps more efficient, provided the companies do not use the resulting designs for commercial use.”

Detailed information on the ADT Pump Efficiency Initiative is available on ADT's [website](#).

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OptiTex Opens New Corporate Office in Hong Kong

6 September 2012

OptiTex has announced the opening of a new corporate office in Hong Kong, and the appointment of Mr. Nick Wei as its Regional Sales Director.

The new Hong Kong-based office will support OptiTex's sales and marketing efforts throughout the region, introducing advanced automated production tools and 3D evolution spreading solutions into the Asia -Pacific market.

Mr. Nick Wei has joined OptiTex and will serve as its Regional Sales Director and with his extensive 20 years experience in the world of garment industry will take responsibility of all commercial aspects.

Mr. Wei has in depth experience in the Asia market and has been into the garment technology field since 1999 as sales, pre sales and project manager. Previously worked both for Lectra, Prima Design Systems and Lawson, has found and run Parellax Limited, an ERP company for the garment industry. Graduated his Industrial Engineering MBA from Open University in Hong Kong, B. A. Sc. in University of Toronto, Canada and Hi. Dip. in the Fashion & Clothing Technology at Bradford College, UK.

Mr. Ofer Asif, OptiTex's VP Asia & Emerging Markets commented, "I am happy to have Mr. Wei join our team, I am certain he will bring his deep knowledge of the specific needs of our customers in the region. The Asia Pacific market for garment industry solutions continues to grow and we realized it was time to open our local offices, to serve the region's growing demands, as well as enable us to be more responsive to local market needs."

The opening of the Hong Kong office is part of OptiTex's mission to spread its global knowledge, expand its offering to a new client base worldwide and deliver even better support for OptiTex's existing customers.

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Events News

Agilent Technologies Announces European High-Speed Digital Seminar Tour

31 August 2012

Agilent Technologies Inc. today announced its 2012 High-Speed Digital Tour, covering more than 50 locations throughout Europe.

High-speed digital design challenges are growing at an incredible rate, especially in applications using higher performance data interconnects. In these applications signal integrity effects dominate, and reference and legacy designs no longer work, forcing engineering teams to predict and account for high-frequency effects.

This new environment requires high-quality measurement tools, probes and fixtures, as well as a robust methodology and common viewpoint with correlation between measurement and simulation teams. Agilent is well equipped to help digital engineers address these challenges head on. The company offers a complete high-speed digital solution, including design tools, measurement and protocol analyzers.

The no-cost seminar, taught by Agilent experts and encapsulating Agilent's expertise in the high-speed digital arena, will show attendees how they can successfully navigate through today's high-speed technology challenges-from early design to prototype validation-while ensuring compliant designs. Attendees will also learn about signal integrity challenges in high-speed digital links and how those effects can be anticipated and reduced. Demonstrations of Agilent instruments will be made available during the seminar.

Xilinx, provider of all-programmable FPGAs, SoCs and 3-D ICs, will join the tour to address FPGA-specific signal integrity challenges and solutions. Xilinx will also explain how its 7 series FPGAs can deliver a record aggregate bandwidth of up to 2.78 Tb/s and the industry's best serial signal integrity at up to 28.05Gbps. This offering, coupled with Agilent's own high-speed digital solution, provides digital designers with a complete solution for FPGA modeling, debugging and integration.

"We are very pleased to work with Xilinx on our 2012 high-speed digital seminar tour," said Shamree Howard, high-speed digital program manager for Agilent. "Agilent and Xilinx have collaborated for several years now and we share a common viewpoint with a robust methodology set up that includes IBIS AMI model generation. I am confident that the overall seminar content will help our mutual customers meet their design expectations."

"Designers are looking for powerful FPGAs and associated tools to meet their multigigabit challenges," said Giles Peckham, European marketing director for Xilinx. "Agilent uniquely offers a complete integrated and correlated flow solution spanning design, board characterization, signal capture, protocol analysis, stress analysis and automated compliance verification. Working together, our solutions can

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play a critical role in allowing today's digital designers to overcome the challenges they face."

For more information on Agilent's 2012 High-Speed Digital Tour or to register online, go to www.agilent.com/find/hsd-emea-2012.

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CimatronE 11 to Be Unveiled at IMTS

4 September 2012

Cimatron Limited today announced that CimatronE 11, the newest version of its integrated CAD/CAM software solution, will be unveiled at the IMTS trade show (Chicago, September 10-15, 2012).

"CimatronE 11 is by far our most powerful version to date and is expected to transform our users' productivity levels like never before," said Mr Ira Bareket, Cimatron's VP Sales and Marketing. "Its enhancements and new capabilities make CimatronE 11 a 'must have' for any tool shop and machining facility looking to achieve success in a tough competitive market."

Key productivity improvements offered by the new version include:

- Streamlined Engineering Change Order (ECO) management a new ECO application enables mold designers to manage an unlimited number of Engineering Change Orders while maintaining the integrity of previous design modifications. The application will dramatically shorten overall mold design time, particularly for parts that require significant mending to meet manufacturing requirements.
- Advanced analysis capabilities new advanced analysis capabilities have been added to multiple functions. These capabilities, such as Springback Deform and Wall Thickness analysis, allow toolmakers to identify issues on the screen before moving to the expensive production phase.
- Ultra-fast high volume material removal Integration of the acclaimed VoluMill technology into Cimatron's 2.5-Axis and Rough applications enables ultra-fast removal of high volumes of material, resulting in shorter machining times and reduced tool wear.
- Quick & efficient NC process programming the new landmark Quick NC Process is a programming productivity application that employs a range of capabilities for rapid batch-style definition and replication of the entire machining process, whether for single or multiple parts.
- Rapid electrode design and machining CimatronE 11 provides greater centralized control over visibility, enhanced set definition, and Quick NC Process for the super-fast programming and machining of single or multiple electrodes.
- Flexible and intuitive die design a new framework for the creation of Progressive and Transfer dies offers more informed die selection and concurrent work by die designers. In addition, the

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new Transfer Shapes nesting tool optimizes material usage for Transfer dies.

Additional performance and usability improvements throughout all modules of CimatronE 11 deliver additional productivity gains and an enhanced user experience.

"I invite all tool makers and manufacturers attending IMTS to visit the Cimatron booth and see firsthand the many benefits of CimatronE 11," said Mr Bareket.

The Cimatron display at IMTS will be at booth # E-3310

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Cutting Factory Project Costs & Timescales – PPMA Show 2012

7 September 2012

At the UK's premier processing and packaging industry event, CAD Schroer and WSP CEL once again team up to provide the complete factory layout and modelling solution - from providing large-scale design software to delivering fully managed projects.

Engineers adapting factories for changing demands must deliver new production lines quickly and cost-effectively. From 25-27 September, software experts CAD Schroer and process engineers WSP CEL team up at PPMA 2012 to present software and services designed to meet that goal:

<http://www.cad-schroer.com/News/Events/1/1489/pk/188>

From 2D/3D Factory Design Software to Fully Managed Projects

"If you are involved in designing, building, adapting, expanding or moving factories, come to stand C15 for a chat," says Anke Adams of CAD Schroer UK. "You can watch our software demos, or speak to WSP CEL about your project management needs."

Intelligent project design, fewer costly mistakes

Global engineering and environmental consultancy WSP CEL flexibly deploys CAD Schroer's MPDS4 plant and factory layout software on diverse projects:

http://www.cad-schroer.com/Software/MPDS4/Case_Studies/1/1011/pk/188

The large-scale design suite is modular, database- and rules-driven, and offers consistency and interference checking tools for high quality results, avoiding expensive mistakes during construction. Automated routing tools for disciplines like P&ID-driven piping, conveyor and handling systems design cut project times. Compact 3D factory designs can be e-mailed to stakeholders for independent walk-through reviews, with changes easily made in a version-controlled manner and communicated in 3D.

Expert Consultancy

Richard Linacre, Technical Director at WSP CEL, adds, “Our services range from concept design through construction to commissioning, bringing to bear decades of experience on biotech, pharma, food, FMCG, energy, industrial and chemical projects. MPDS4 provides us with great design flexibility, making communication of changes easy and immediate, with effective 3D engineering review and visualisation tools. Its multi-user, multi-disciplinary approach means that we can simultaneously work on designs with client teams when required.”

The tools used to design and communicate factory changes have a big impact on project costs and timescales. By offering flexible engineering software and expert consultancy services tailored to individual requirements, CAD Schroer and WSP CEL help to ensure on-budget project success.

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Delcam Italia to Show Complete CAM Range at BIMU

4 September 2012

Delcam Italia will demonstrate Delcam’s complete range of CAM software at the BIMU exhibition to be held in Milan from 6th to 10th October. Programs on show will include PowerMILL for high-speed and five-axis machining; FeatureCAM for quick and easy feature-based CAM programming; PartMaker for turn-mill equipment and Swiss-type lathes; the Delcam for SolidWorks integrated CAM system; and ArtCAM for artistic applications.

The most important new option in the 2013 release of PowerMILL will be the new Vortex strategy for high-speed area clearance. Vortex, for which Delcam has a patent pending, has been developed by the company specifically to gain the maximum benefit from solid carbide tooling, in particular those designs that can give deeper cuts by using the full flute length as the cutting surface. It can be used for two- and three-axis roughing, three-plus-two-axis area clearance and for rest machining based on stock models or reference toolpaths. Like other Delcam roughing strategies, Vortex toolpaths are calculated to give more efficient machining by following the shape of the part and by keeping air moves to a minimum.

FeatureCAM was the world’s first feature-based programming software when it was launched in 1995. Constant development since then has ensured that the system has retained its leadership in programming speed and ease of use, while an increased range of strategies has been added to provide more efficient toolpaths giving greater productivity on a wider range of machines, including lathes, mills and mill-turn machines. The main change to the 2013 FeatureCAM product family has been the introduction of three levels of 3D machining functionality. FeatureMILL 3D Lite is a new option offering single-surface machining with a basic range of strategies and so provides an introductory product for companies moving into 3D machining for the first time.

PartMaker pioneered the field of CAM software for multi-axis turn-mill centres and Swiss-type lathes. The software offers a vast array of robust post-processors and machine-simulation files for virtually every machine model from all the leading builders. The 2013 version will feature a totally revamped

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surface-machining module offering PartMaker users some of the most powerful CAM machining algorithms on the market today for a variety of manufacturing platforms, including turn-mill centres, bar-fed mills and Swiss-type lathes.

Delcam for SolidWorks is a fully integrated CAM system for SolidWorks that combines the benefits associated with PowerMILL and FeatureCAM. It provides PowerMILL's exceptional speed of toolpath calculation, plus the advanced strategies for high-speed and five-axis machining, to ensure increased productivity, maximum tool life and immaculate surface finish, while also offering the same strong focus on ease of use as FeatureCAM. The 2013 release includes a new entry-level 3D milling option, plus many of the enhancements made to the 2013 version of FeatureCAM on which it is based. As a Gold Partner CAM product, it is, of course, fully compatible with the latest release of SolidWorks.

The new release of ArtCAM Pro will make it much easier to create complex designs, especially those that include repeated elements that are similar but not identical within the design. This new way of working, which is called 'Free Relief Modelling', allows previously-created reliefs to be identified and swiftly moved, rotated, rescaled and copied, either individually or as part of a group. The overall result is much more natural than simply duplicating a single shape across the design, while also being much quicker than modelling each item individually.

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Delcam's Latest PowerINSPECT Inspection Software at Make Measurement Matter

3 September 2012

Delcam will demonstrate the 2012 R2 version of its PowerINSPECT inspection software at the GTMA Make Measurement Matter event to be held at the Centre for Engineering and Manufacturing Excellence in Rainham, Essex, on 17th October. A new module is available that allows PowerINSPECT to create efficient inspection sequences for use on dual-column CNC coordinate-measuring machines. This addition continues the drive to make PowerINSPECT the preferred inspection software for all types of metrology equipment.

This new release also continues the development of the reverse engineering functionality introduced earlier this year. The main development in this area has been an expansion of the "Digitised Curves" option to create a powerful re-engineering and modelling tool.

Improvements to the inspection functionality within the 2012 R2 PowerINSPECT release include a simplified procedure enabling users to quickly calibrate the probe assembly by probing a single point anywhere within the measuring envelope; an offset-alignment method that aligns the part with the axes of the CMM while setting the position with a single point measurement; and extra point-cloud options that make it easier to modify and reuse digitised curves and points, with options for editing, deleting and resuming measurement of the points and curves.

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The automated section-measurement functionality, which was previously only available in the manual version of PowerINSPECT, is now available in both the OMV and CNC offline-programming versions. This strategy for creating probe paths along a section of the component provides quick and easy comparison of a cross-section against the CAD model. This type of section measurement is important for the measurement of blades and aerofoils, as well as for automotive inspection.

The combination of a dual-column CMM and PowerINSPECT enables inspection times to be reduced by allowing the simultaneous measurement of different features on larger parts. A common application is automotive body-in-white inspection, where the evaluation of a large, complex and relatively symmetrical assembly requires intricate measurements on each side, combined with an assessment of the structure as a whole. Using this new module gives the ability to measure parts on these devices in a single coordinate system without repositioning.

In general, the dual-column mode works in a similar manner to the single-column CNC version of PowerINSPECT; models are loaded in the same way, inspection items are created using the same methods, and so on. An additional programming operation is needed to distribute the various items to be inspected between the two columns.

Additions to the offline-programming and program-running capabilities provide easy tools for moving inspection items between the two columns to balance the inspection time needed for each one. The user can switch columns in much the same way that they switch probes or tools in the standard version of PowerINSPECT.

To ensure safe operation of the CMM, the collision predictor within PowerINSPECT checks for possible collisions between columns by calculating their moves as the inspection proceeds and comparing their future positions in space and time. If any overlap is detected, the inspection is stopped and a warning displayed. This is the only reliable way to prevent collisions between columns because of factors like speed differences between the way the machines are programmed and the way they actually move.

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Delcam to Show how ArtCAM Pro Makes Complex Designs Easy at W12

7 September 2012

Delcam will preview the latest version of its ArtCAM Pro design and manufacturing software for woodworking applications on stand 6A 234 at the W12 exhibition to be held at the NEC, Birmingham, from 7th to 10th October. This new release of ArtCAM Pro will make it much easier to create complex designs, especially those that include repeated elements that are similar but not identical within the design.

This new way of working is called 'Free Relief Modelling'. It allows previously-created reliefs to be

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picked up and swiftly moved, rotated, rescaled and copied, either individually or as part of a group. Any part of the design can be isolated, edited and then recombined into a group for duplication or further editing within the group. At any stage in the process, either individual items or a group of items can be saved within the clipart library for use in future projects.

The overall result is much more natural than simply duplicating a single shape across the design, while also being much quicker than modelling each item individually. Examples where the technique could be used include creating the feathers in the peacock design shown here or designing a forest of similar trees without them all appearing identical.

A related development that will also make it easier to create more complex designs allows the interaction between different layers to be viewed in real time. This will make it much faster to choose the optimum combination of the different layers as the effects of changing the overlap can be seen instantly.

Sketching in ArtCAM Pro has been made easier by giving the designer the freedom to alternate between straight and curved vectors whilst drawing. Once created, vectors can now be added to or closed, and any nodes within them can be edited or deleted, at any time, either in the 2D or 3D view.

The ability to add textures to designs has always been an important feature within ArtCAM Pro. This ability has been extended with a new patent-pending 'Texture Flow' tool to create more natural organic textures, such as hair, fur and scales.

More natural effects can also be obtained with an addition to the sculpting tools. Sculpting effects can now be scattered randomly across the design as well as placed systematically. More control is available over all the sculpting options as these can now be limited to a specific area or to a set height. Of course, the "undo" option is still available if the results aren't as expected.

All of these new capabilities can be displayed with even more realistic renders of designs created in ArtCAM Pro. The software now comes with POV-Ray ray-tracing technology, allowing high-quality images to be generated for customer approval or marketing materials.

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ICAM to Release Integrated PSE V20 at IMTS 2012

4 September 2012

ICAM Technologies Corporation announces that it will launch Integrated PSE V20, the latest version of its integrated Post-processing, Simulation & Emulation software, at IMTS 2012 (Booth: E3217)

Inside a single software platform, Integrated PSE provides a unique environment for Post-processing, Simulation and Emulation (for G-Code) that interfaces with the most popular CAD / CAM / PLM systems, CNC controllers and machine tools on the market.

Integrated PSE V20 supports Windows 8 and features SmartPATHTM, software designed to automatically optimize rapid positioning toolpath motions generated by CAD/CAM systems. This software provides savings both in CNC run-time positioning and in CAD/CAM toolpath preparation.

Rapid positioning motions generated by CAD/CAM software do not take into account machine tool kinematics, workpiece setup and travel limitations and therefore, place the burden of responsibility for safe and efficient positioning onto the NC programmer.

SmartPATHTM identifies inefficient and unsafe positioning motions and automatically replaces them with minimized collision free safe motions based on the actual machine tool kinematics, physical travel limits, axes positioning rates and the dynamically changing state of the in-process stock.

Building on advanced forward-looking features such as path planning and rotary axes pre-positioning / winding, developed to enhance the machining process while avoiding dwell marks, over-traveling and rotary repositioning, Integrated PSE V20 offers an array of new features including:

- Support for 3D tool compensation
- Support for positioning/continuous B axis when turning
- Supports probing and part-transfer of in-process stock
- Advanced time line presenting more information on simulation process (tool change, coolant, sub-programs, etc...)
- Support for merging lathes and multi-control workcell applications

“SmartPATHTM, new in V20, really sets ICAM apart in the market,” says Brian Francis, ICAM’s Director of Research and Development. “NC programmers can now optimize the use of CNC machines by shortening machining time, allowing for the full use of the machine axis range and reducing the part programming time inside the CAM system.”

For more information visit: www.icam.com

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Missler Software Inc. Displays TopSolid at IMTS

7 September 2012

Missler Software Inc. will participate at IMTS in Chicago, September 10-15, on booth E-3316. Missler Software Inc. is the recently established North American based National Sales and Support organization for Missler Software in Chicago. Missler Software Inc. will be displaying the TopSolid 7 CAD/CAM software range, the 7th generation of the TopSolid integrated CAD/CAM software range, at IMTS.

TopSolid 7 is the result of 6 years of development which has permitted the integration of such technological advances as MultiCore, PDM, web compatibility, software components and computer-generated images. The first TopSolid 7 clients in the mechanical engineering field have experienced time gains in the region of 20 to 30%. Missler Software wishes to keep an excellent compatibility between the TopSolid versions 6 and 7. In this way its customers benefit from a whole new technology while keeping all the know-how they have built up with version 6.

Fully integrated CAD/CAM

The complete CAD/CAM integration offered by Missler Software is a differentiating point between TopSolid and other CAD/CAM software packages on the market. This complete and transparent integration of a CAD and CAM solution is the unique strong and original and key selling point of TopSolid. According to Christian Arber, Missler Software CEO “TopSolid is above all an integrated CAD/CAM solution for companies that wish to produce and manufacture what they have designed. TopSolid has been developed to use and take advantage of design and machining know-how from the 3D model right up to machine programming.

Industry-specific solutions

Another differentiator of TopSolid compared to other more general CAD/CAM solutions is that the TopSolid software range provides specific solutions to meet particular industry requirements. Based around a central CAD/CAM kernel Missler Software has developed specific applications for the following industries (which are all integrated and share a common CAD/CAM kernel):

- Mechanical manufacturing
- ToolMaking
- Wood & Sheetmetal manufacturing

The number One US fair for Missler Software Inc. in 2012

IMTS is of particular interest to Missler Software Inc. and its TopSolid users and prospects in 2012. Missler Software is convinced that its operations in the North American market will take off this year thanks to a new local presence as well as continued efforts to promote and sell TopSolid 7 on this market. According to Arnaud de Boisboissel, Export Sales Director for Missler Software “TopSolid is the only CAD/CAM software on the global market to be completely rethought and rewritten both in

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terms of software technology and methodology. TopSolid 7, the latest generation of our CAD/CAM software, has known a huge success in the USA over the past 2 years and we now want to fully exploit its fantastic potential by setting up Missler Software Inc. According to Bill Genc, Technical Director for Missler Software Inc. “TopSolid 7 is a phenomenal product and we are very confident about its potential here in the future. The result is something figuratively and literally quite beautiful! For the first time on the market, you now have a CAD/CAM product that is running on a seemingly transparent PDM platform. This means that you don’t even know the PDM is there! Along the way of this new development, Missler Software was also able to make the new product extremely easy to learn and use! But they still were able to keep the power of TopSolid’s legacy.”

Don’t miss TopSolid and Missler Software Inc. at IMTS, booth E-3316.

For further information contact info@topsolid.com or visit www.topsolid.com

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PTC to Speak at two Upcoming Investor Conferences

5 September 2012

PTC has announced that management will speak at the following conferences:

What: PTC to present at CL King’s 10th Annual Best Ideas Conference

When: Wednesday, September 12th, 2012 at 10:00am (ET)

Webcast: www.ptc.com/for/investors.htm

Replay: The audio replay of this event will be archived for public replay until 4:00pm (CT) on September 22nd, 2012. To access the replay via webcast, please visit www.ptc.com/for/investors.htm.

What: PTC to present at ThinkEquity’s 9th Annual Growth Conference

When: Thursday, September 13th, 2012 at 9:30am (ET)

Webcast: www.ptc.com/for/investors.htm

Replay: The audio replay of this event will be archived for public replay until 4:00 pm (CT) on September 23rd, 2012. To access the replay via webcast, please visit www.ptc.com/for/investors.htm.

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Seiko Epson Corporation to Present at Aras ACE 2012 Japan Conference

5 September 2012

Aras® today announced that Seiko Epson Corporation, a global developer of printing and projection products, will present at ACE 2012 Japan. ACE 2012 Japan takes place September 13th in Nagata-cho, Tokyo, Japan.

Mr. Yoshihiro Nakai, Information Technology Promotion Director at Epson, will present migrating from legacy PDM to Aras as an enterprise PLM backbone. Highlights will include formula / chemical management, closed-loop product configuration management, quality manufacturing bill of materials management integrated with MES, as well as regulatory compliance.

ACE 2012 Japan – September 13, 2012

JA Kyosai Building Conference halls - Nagata-cho, Tokyo, Japan

Free to Attend - No Fee (Registration Required)

Details and Registration: <http://aras.com/plm/001567>

With 23% of the global crystal device market, Epson devices serve as the heart and pulse for a wide range of electronic products for consumers and industry. Utilizing its innovative hybrid quartz microfabrication technology, QMEMS, Epson offers technological expertise in timing, sensing and optical devices. Aras PLM supports Epson's mission of enriching society through the development of high quality, progressively smaller devices that are more precise and accurate.

About ACE 2012 Japan

Aras's ACE 2012 Japan conference brings together business and technology professionals from around the world to learn and collaborate on PLM best practices that address enterprise process challenges from global product development to outsourced manufacturing and systems engineering complexity. The theme of the conference is "Be Different" which emphasizes the power of the Aras solution suite and advanced PLM platform, and how enterprises use Aras to differentiate, innovate and compete on process superiority. Aras President and Founder Peter Schroer will deliver the keynote address live in Tokyo. For the complete agenda and conference details, please visit <http://aras.com/plm/001567>

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Synopsys to Present at Deutsche Bank's dbAccess 2012 Technology Conference

5 September 2012

Synopsys, Inc. has announced that John Chilton, senior vice president of marketing and corporate development, will speak at Deutsche Bank's dbAccess 2012 Technology Conference in Las Vegas, on September 11, 2012.

This event will be broadcast live over the Internet via the Synopsys corporate website at <http://www.synopsys.com/Company/InvestorRelations> on Tuesday, Sept. 11, 2012 at 8:10 a.m.

PT (11:10 a.m. ET). To access the live audio webcast, please go to the website at least ten minutes early to register and to download and install any necessary multimedia software. The webcast replay of the presentation can be accessed at the Synopsys corporate website approximately thirty minutes following the conclusion of the live event.

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Implementation Investments

ADESS Develops LOTUS T128 LMP2 Car with Altair's HyperWorks Suite

4 September 2012

[Altair](#) today that its [HyperWorks](#) computer-aided engineering (CAE) platform is being used to structurally design the [LMP2 LOTUS T128](#) racing car for the Le Mans Prototype series. The technical development of the car is carried out by Advanced Design & Engineering Systems Solutions AG (ADESS), a design and engineering office based in Munich with expert knowledge of Formula 1 and Le Mans prototype sports cars.

The T128 is engineered according to the 2013 regulations and will be a state-of-the-art car in terms of aerodynamics and monocoque design, employing the latest designs and technologies. ADESS engineers are employing several HyperWorks tools in the project, including [HyperMesh](#), the meshing tool of the suite, to create finite element models; [RADIOSS](#) for linear and non-linear analysis, especially for crash test simulations of the front structure of the car; and [HyperView](#) to post-process the results.

"The bodywork panels of the car are made of lightweight carbon sandwich composites and it has a carbon composite monocoque as well," said Stephane Chosse, founder and CEO of ADESS. "Altair's HyperWorks suite is crucial in handling the crash event simulation of all safety-related parts to make sure that they meet all the crash and stiffness regulations while keeping the car as light as possible. We are very satisfied with the results we get from HyperWorks and feel confident that it is the best solution to meet all of our engineering needs as well as external requirements. In addition we are also happy that we found a software provider who is an expert in the area of composite simulation."

With the results achieved in the development of the LMP2 LOTUS T128 racing car ADESS is planning to continue working with Altair and HyperWorks on current and future projects. ADESS intends in the near future to also apply the optimization tool [OptiStruct](#) to optimize composite parts to further improve the lightweight and stiffness characteristics of its racing cars.

"The ADESS project is one of many next-generation-inspired, exiting projects we are happy to be involved in," said Dr. Uwe Schramm, managing director of Altair, Germany. "The HyperWorks suite provides exactly those tools a young and fresh engineering company such as ADESS needs to handle extensive projects as the development of a LMP2 series car. In addition, Altair offers vast experience in

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the area of composite simulation and optimization and – with our unique licensing system – a convenient pricing structure for engineering services companies."

For more information, please visit: www.adess-ag.com

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B&H Company Selects Gerber Technology's YuniquePLM FS Edition for Rapid Deployment and Time to Value

5 September 2012

B&H Company has selected Gerber Technology's [YuniquePLM™ FS](#) (Fast Start) edition product lifecycle management software to help manage the company's newest high-end women's clothing line scheduled to be launched later this year. The YuniquePLM solution will help B&H improve data organization, minimize errors and streamline production processes, all while supporting the company's plans for domestic and international growth. Founded in 1988, B&H has established itself as a manufacturer and supplier of knit tops to retailers worldwide.

"We are excited to begin working with Gerber's YuniquePLM system," said Waleed Mansour, CFO of B&H Company. "We expect it to help us improve the way we manage our information and our business processes. YuniquePLM will also enable us to shorten product development times by providing the members of our production team access to information through a single, integrated system."

Because YuniquePLM is a solution designed specifically for the apparel, accessories and footwear industries, it delivers value in the shortest time frame. The software's highly collaborative [functionality](#) will allow B&H's technical design, pattern making, product development and production teams to communicate more effectively on tech-pack details. In the future, B&H plans to integrate YuniquePLM with other enterprise systems to strengthen communication across the organization.

Bill Brewster, vice president Global Sales and Marketing for Gerber's Yunique Solutions business, said, "Companies of all sizes can benefit from the process control that YuniquePLM offers. Because it centralizes data, tracks workflows, improves communication with colleagues and suppliers and detailed visibility into all aspects of the product lifecycle, it minimizes errors and enables managers to make better informed decisions."

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Boeing Extends Deployment of Dassault Systèmes PLM Platform and Applications

5 September 2012

Dassault Systèmes announced today that The Boeing Company has signed a five year contract to extend the use of Dassault Systèmes' applications at both Boeing Commercial Airplanes and Boeing Defense, Space & Security.

Dassault Systèmes and Boeing's "Working Together" partnership began over 25 years ago and has resulted in numerous breakthroughs in the development and early deployment of powerful technologies that make game-changing innovations possible.

"Boeing and Dassault Systèmes have enjoyed a long working relationship, and we are pleased to extend our contract. We look forward to continuing to collaborate with Dassault Systèmes to create and leverage new innovations that will enhance our product design and manufacturing capabilities," said Nancy Bailey, Boeing vice president of IT Product Systems. "Dassault Systèmes continues to evolve and mature their solution portfolio to more completely address our needs across the entire product value stream. The Dassault Systèmes PLM solution suite will continue helping us create additional business value for our company."

"Boeing and Dassault Systèmes have enjoyed a unique partnership for over 25 years," stated Bernard Charlès, president and CEO, Dassault Systèmes. "Both companies share a passion for innovation and for producing breakthrough experiences for our customers. We have also shared a common vision of how we can evolve our applications and Boeing's processes to fuel remarkable innovation. Boeing has heavily influenced the evolution of Dassault Systèmes' strategy, from 3D Design to DMU to PLM – and now to 3D Experience. We look forward to our continued partnership."

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Dassault Systèmes Supports Local Motors' Drive to Design and Manufacture the Next Version

6 September 2012

Dassault Systèmes has announced that co-creation automotive design innovator Local Motors has selected the company's 3DEXPERIENCE platform for the ongoing internal refinement of its 2012 Rally Fighter, a sleek, 50-state street-legal off-road vehicle that pushes the automotive design envelope while providing rugged durability. The Rally Fighter design was created through the use of crowd-sourced design/co-creation inputs, with detailed engineering completed with the use of Dassault Systèmes' CATIA application.

This crowd-developed, design-to-manufacturing process is a new manufacturing paradigm pioneered by Local Motors and a game-changer for the automotive industry. Through its online community of more than 20,000 designers, engineers, fabricators and enthusiasts, Local Motors drives automotive innovation through crowd-powered collaboration, leveraging their collective knowledge base in order to

develop the most optimal solution.

Local Motors designers used the CATIA application because of its user experience including the ability to develop interior design geometry based on packaging studies, kinematic suspension analysis, finite element analysis, and development of tooling geometry as well as its advanced composite capabilities all within a single user experience, or ‘design in context’.

“Our mission is to lead the next generation of crowd-powered automotive manufacturing, design and technology in order to enable the creation of game changing vehicles,’ said Jay Rogers, CEO and co-founder of Local Motors. “With its 3DEXPERIENCE platform and focus on the customer experience, Dassault Systèmes was the ideal partner for Local Motors as we continue to refine the 2012 Rally Fighter.”

Al Bunshaft, managing director, North America, Dassault Systèmes said, “We are pleased that Local Motors has selected our 3DEXPERIENCE platform from among the solutions available as the Rally Fighter vehicle design solution. Complex vehicle design, especially in collaboration with a large ecosystem of innovators, requires flexibility in order to incorporate disparate design innovations, and at this, our CATIA application excels. Local Motors has used this application to conduct line-of-sight analysis, packaging studies and analysis of the Rally Fighter that was not possible with other software.”

Dassault Systèmes’ CATIA application has been at the forefront of the transportation and mobility sector, providing cutting-edge, proven solutions that meet the needs of OEMs such as Ford, BMW, and Jaguar Land Rover as well as their suppliers. A new generation of vehicle development companies, such as flying car maker Terrafugia, Tesla Motors and Fisker Automotive are increasingly leveraging Dassault Systèmes’ 3DEXPERIENCE platform to realize the latest vehicle innovations.

“Local Motors is an important business partner for Dassault Systèmes as we move forward with our strategy to deliver the leading industry solution experiences to our customers around the world,” said Monica Menghini, executive vice president, Industry and Marketing, Dassault Systèmes. “Our 3DEXPERIENCE Platform is ideally suited for Local Motors’ ongoing in-house design of the Rally Fighter.”

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GibbsCAM Technology Helps Drive DMG/Mori Seiki Standard

5 September 2012

Cimatron Limited announced today that GibbsCAM® plays a leadership role in supporting phase one of the DMG/Mori Seiki standardization initiative. The new initiative will ultimately provide DMG/Mori Seiki customers a smooth and reliable flow of programming data from any CAM system to DMG/Mori Seiki machine controls. This will enable the full use of the features of DMG/Mori Seiki machines and controls without the need for custom post-processors or machine simulation models. The technology is

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based upon DMG/Mori Seiki's implementation of the standard APT (automatically programmed tool) language, with DMG/Mori Seiki extensions that are supported within GibbsCAM. DMG/Mori Seiki's initial focus during phase one is on its 3- to 5-axis machining centers and controls, with an ultimate goal of enabling the technology for all of its machines, including the most challenging multi-task machines. As new machines and machine functions are introduced, DMG/Mori Seiki and Gibbs will incorporate the new capabilities into their APT implementation.

This joint project is intended to address one of the main challenges that CAD/CAM and machine-tool users often face: the need for a new post processor and machine model for each of their machines. Currently, when a customer purchases a new CNC machine or a new CAM system for use with an existing CNC machine, they need to work with both the machine tool vendor and the provider of their CAM system to implement a customized post-processor and machine simulation model to fully program and simulate the capabilities of their machine. This process can sometimes be much longer than expected or desired, especially when the project requires the collaboration of two suppliers that do not always have the same level of detailed knowledge and understanding of each other's products. In this new approach, the CAD/CAM vendor outputs DMG/Mori Seiki-specific APT data and DMG/Mori Seiki provides a postprocessor and simulation package for their CNC machine and thereby eliminating the need for each CAM provider to develop a custom post-processor and machine model. With this approach, users will be able to start cutting parts immediately on their Mori Seiki machines.

Gibbs and Associates' implementation of APT with DMG/Mori Seiki extensions now provides output that customers can accurately post-process, simulate, and execute without the need for a new post or modifications to an existing post processor for the entire range of DMG/Mori Seiki machines supported. Furthermore, because these new APT extensions provide the ability to add functions beyond cutter location, CAD/CAM generated APT-CL files can incorporate additional data for set-up and simulation, such as coordinate systems, datum and offset positions, tool shapes, tool holder data and stock size. A GibbsCAM user programs a part in the same way as they are accustomed to doing so, but instead of running a GibbsCAM postprocessor, they generate a DMG/Mori Seiki-specific APT-CL file. Software tools provided by Mori Seiki in the Mori Seiki machine control then take this data and create the machine ready CNC code.

"We are very pleased to have been selected by DMG/Mori Seiki to assist with their effort in delivering a fully-integrated solution to customers, who will now be able to take immediate advantage of all the features of Mori Seiki machines and controls with GibbsCAM," said Robb Weinstein, Senior Vice President of Sales and Strategic Planning of Gibbs and Associates. "Our thirty years' experience in providing over 11,000 customized post processors and delivering hundreds of error-free post processors for the most complex Mori Seiki machines, as well as our meticulous attention in providing customers access to all of their machine-tool capabilities, made Gibbs the perfect choice for this initiative. We are proud of our role in DMG/Mori Seiki's effort and in delivering the CAM-representative portion."

DMG/Mori Seiki's ultimate goal is have all CAM system providers implement the DMG/Mori- Seiki APT implementation, which, when fully and accurately implemented, would eliminate the need for custom postprocessors or custom machine simulation models.

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Parts programmed in GibbsCAM utilizing this technology using 3- to 5-axis machining centers will be highlighted at the International Machine Technology Show (IMTS 2012), September 10-15, 2012, at McCormick Place, Chicago, within the DMG/Mori Seiki USA exhibit, in booth S-8900. Gibbs and Associates will have its own exhibit, in booth E-3310.

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PWO Selects NX CAM from Siemens PLM Software to Manufacture Components for "The Cars of Tomorrow"

3 September 2012

Progress-Werk Oberkirch AG (PWO) is now using Siemens PLM Software's [NX™](#) software for its manufacturing processes. Specifically, PWO selected NX CAM for its functionality and real-time manufacturing simulation, enabling a reduction in processing times and error rates in the manufacturing process. PWO has used Siemens PLM Software's [Solid Edge®](#) software with synchronous technology as its CAD solution for several years. The combination of compatible CAD and CAM technology allows PWO to integrate its processes on a single platform to ultimately increase productivity and process efficiency.

PWO develops and manufactures high-tech mechanical components from steel, stainless steel and aluminum that are used in vehicle electrical and electronic systems, as well as in safety components in the airbag and the steering mechanism, and as lightweight structures in the body and chassis. The CAM software PWO previously used to manufacture these components was no longer meeting the company's requirements, so a benchmark was initiated among several software providers. In the end, PWO selected Siemens PLM Software's solutions to enable increased productivity and efficiency across its entire product development and manufacturing process.

As documented in various case studies, the use of NX CAM allows for cuts in processing times and for fewer errors in simulation. This helps avoid post-processing errors and duplication of production steps, which saves time and increases efficiency. NX also includes synchronous technology which allows components to be imported from a variety of third-party CAD systems and to be processed immediately. Another argument in favor of NX CAM is the compatibility of the system with Solid Edge. The consistency of the solution allows for improved and faster access to data, increasing productivity and process efficiency.

"The result of the CAM benchmark was apparent to us quite quickly. The consistency of the solution and the reduced error rate makes our work so much easier. We can thus better utilize our manufacturing employees and make optimal use of all our resources," says Ralf Fischer, who is in charge of all CAx (CAD/CAM/CAE) systems at PWO. "With Siemens PLM Software, we also know that we can count on top quality support in Germany and abroad. As we have sites worldwide manufacturing components for the cars of tomorrow, that is, of course, particularly important for us."

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PWO has plants in Canada, China, Czech Republic, Germany, and Mexico. In the coming years, the company plans to align all of the sites through the use of one PLM system.

"It is absolutely essential to be able to rely on your design software, particularly for such delicate, almost invisible components like those that PWO manufactures," says Urban August, senior vice president and managing director for Germany at Siemens PLM Software. "Using Solid Edge in combination with NX CAM enables PWO to have an integrated process – from the tool design to the CNC machine – on a single platform, resulting in greater efficiency, speed, and above all, safety."

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Tribold Selected as Preferred PLM Vendor for ETIS

4 September 2012

Tribold today announced it has been selected as the preferred Product Lifecycle Management (PLM) vendor to ETIS.

The selection process, undertaken by the Enterprise Architecture Working Group of ETIS, was triggered by ETIS CSP members facing challenges developing "simple & rich" commercial product offers while dealing with the ever increasing complexity of combining capabilities from specialized silos, legacy "TelCo" applications and new "WebCo" platforms.

In the validation process, ETIS cited that product launches often involved many dedicated OSS/BSS and their different product data models and processes that were not designed to co-operate for product composition.

Terje Tondel, ETIS Director noted: "The whole Product Lifecycle Management process, and especially the Time to Market, are impacted negatively by this lack of flexibility and poor re-use capability." Terje continued: "Traditionally, Product Management is organized in silos such as Voice, Data, Security, and so on, potentially generating conflict when offering converged bundles."

Terje concluded: "The need to transform the CSP for new business models requires re-defining the Customer and Product models. ETIS believes the implementation of a PLM process based on an Enterprise Product Catalog should be the foundation of the new product model and Tribold clearly fits this requirement "

Commenting on the selection announcement, Catherine Michel, CTO and founder of Tribold said: "ETIS CSP members live with product management challenges every day and no one is better placed to identify vendors who can meet these business and technical challenges."

Michel concluded: "We are very happy with being selected as one of the preferred PLM vendors to ETIS, and are looking forward to accelerating PLM implementations with ETIS members. We would also like to thank members of the Enterprise Architecture Working Group for all their time and effort throughout the selection process."

In October, Tribold will be attending the ETIS Community Gathering in Athens, as a Silver Sponsor. The two day event will consist of keynotes, working groups and networking all focused around the critical theme of “The Role of Telcos in the ‘Internet of Things’”.

For more information on ETIS, visit www.etis.org

To learn more about Tribold CPQ and Tribold EPM, [click here](#).

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Product News

4D Announces Expanded Offering for New Autodesk Inventor 2013 Courses

30 August 2012

4D Technologies, an Autodesk Authorized Publisher specializing in learning solutions and services for the Autodesk user community, announced today their [Autodesk Inventor 2013 course offerings](#). The new editions to the CADLearning course library are Autodesk Inventor Certified and include a comprehensive set of video tutorials, exercise files and self-assessments for online users.

The in-depth courses cover basic to advanced subjects and include application demonstrations, tips and tricks for productivity, discussions about new features and lessons that relate to Autodesk Inventor Certification Exams. Course topics include assemblies, presentations, creating and editing parts, sheet metal, plastic part design, iLogic, surfaces, and assembly analysis.

CADLearning offers hundreds of hours of video tutorials on Autodesk technology, with new courses being added regularly to keep up with the latest software releases. CADLearning offers corporate, academic, government and individual solutions in multiple markets, including architecture, engineering, construction and manufacturing.

“The expansion of our course offerings for Autodesk Inventor is key in supporting the learning needs of our customers,” said Dan Dolan, President of 4D Technologies. “Our goal is to deliver comprehensive content that helps customers utilizing Autodesk products sharpen their skills and be more productive.”

CADLearning course offerings will be available for the following Autodesk Inventor 2013 products:

- Autodesk Inventor 2013
- Autodesk Inventor Fusion 2013
- Autodesk Inventor Professional 2013
- Autodesk Inventor Publisher 2013

CADLearning can be used as a self-paced course or as a continuous on-going resource and help tool. Courses are available at <http://www.cadlearning.com> via online subscription and DVD-ROM based video training.

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ANSYS Launches Student Version of Simulation Technology

4 September 2012

U.S. college students can now take engineering simulation technology outside of the classroom with ANSYS® Academic Student, a new simulation solution derived from ANSYS' successful teaching software. This technology, which was just released, offers similar capabilities as the commercial solution at the affordable price of \$25 for a one-year license. Eligible U.S. students can download the ANSYS solution used in their classroom on their personal computer, eliminating the physical restriction of having to be on campus to access the technology.

The simulation functionality built into Academic Student provides access to the same solvers and user environment in ANSYS' industry products. The inclusion of structural mechanics, rigid-body dynamics, fluid dynamics and multiphysics solvers addresses the fundamental educational needs of students across many disciplines, such as mechanical, aerospace, civil, chemical, biomedical engineering and physics. Students with multicore processors on their personal computers (up to a quad-core processor) can also benefit from the software's ability to run the solvers in parallel, allowing for more advanced simulations.

Mechanical and aerospace engineering students at Cornell University were among those selected to test ANSYS Academic Student on a trial basis prior to this launch. Rajesh Bhaskaran, Swanson Director of Engineering Simulation at Cornell, integrates simulation technology into courses across the Cornell Mechanical and Aerospace Engineering Program. "Not only is this powerful solution easy for the students to access both financially and physically, it's also valuable to our curriculum. It allows our students to apply the technology across several of their engineering courses to complete homework assignments and projects, which ultimately gives them a deeper understanding of the solution's capabilities," Bhaskaran said.

"Education is a core focus for ANSYS. We're dedicated to providing quality simulation tools to the academic world and helping to shape the engineers of tomorrow," said Murali Kadiramangalam, academic program director at ANSYS. "Students now have unparalleled access to ANSYS multidisciplinary engineering simulation in the comfort of their dorm rooms. Not only will this help students with assignments, projects, competitions and theses/dissertations, but it also allows them to explore simulation. Enhanced simulation knowledge will help students transition more easily to the professional industry, where ANSYS is the tool of choice."

Visit www.ansys.com/students to learn more.

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Autodesk 123D Catch for iPhone Lets Everyone Create 3D Printed Models with Photos

6 September 2012

[Autodesk, Inc.](#) launched the new free Autodesk 123D Catch app for iPhone on the App Store. Complementing the iPad, desktop and web app versions, the app lets users take photos from their camera on iPhone and upload them to the cloud where the photos are converted into a 3D model.

The Autodesk 123D Catch app for iPhone and iPad allows users to capture the world around them in 3D anytime, anywhere. The app features a capture window that includes familiar iOS camera controls to help manage focus and exposure while taking the photos. Users can then review the photo thumbnails before submitting them to the cloud where the photos are transformed into a 3D model. The Autodesk [123D apps](#) tap into Autodesk's rich 3D design software heritage for professionals yet are easy enough for everyone to experiment and enjoy the creative process and make their designs real.

The connected workflow between the Autodesk 123D family allows captures made in the 123D Catch app to later be fabricated as a 3D printed object, or to be used as the foundation for further 3D modeling and 3D animation. To enhance the workflow, Autodesk has implemented new editing tools in the Autodesk 123D Catch web app that make it simpler to prepare catches for 3D printing. The new editing capabilities helps users to seal up holes within 3D models, smooth out surfaces, delete portions of the model they don't want to print and create a flat surface as a stable base for 3D printing. Currently users can also access the My Corner feature to access files across 123D apps, including [123D](#), [123D Catch](#), [123D Make](#), and [123D Sculpt](#).

The Autodesk 123D Catch app is exclusively available for iPhone and iPad through the App Store at www.itunes.com/appstore. The Autodesk 123D Catch web app can be found at <http://www.123Dapp.com/catch>.

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Autodesk Announces Autodesk Revit LT

5 September 2012

[Autodesk, Inc.](#) today announced Autodesk Revit LT software, a new addition to its family of Revit software products. Designed for architects, designers and building industry professionals using 2D workflows who are looking to transition to the [Building Information Modeling \(BIM\)](#) process, Autodesk Revit LT software delivers a focused 3D application to help users create higher-quality and more

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accurate designs and documentation.

“Autodesk Revit LT reflects our commitment to provide architects, designers and building professionals, particularly those in small firms, the tools they need to ease the transition to get started with—and take advantage of—a BIM workflow,” said Amar Hanspal, Autodesk senior vice president, information modeling products. “With Revit LT, customers can deliver higher-quality, more accurate designs and documentation—allowing them to bring projects to market faster and save time and money.”

Autodesk Revit LT is built on the Revit platform for BIM and allows users to create designs efficiently with 3D, real-world building objects to produce reliable, coordinated documentation faster. Revit-based applications help deliver better coordination and quality, and can contribute to higher profitability for architects, design professionals and the rest of the building team. Some of the benefits of Revit LT include:

- Work more efficiently with a single, coordinated model that allows users to concurrently design and document building projects. Autodesk Revit LT automatically manages iterative changes to building models throughout the documentation process. As a result, a consistent representation of the building is maintained, helping to improve drawing coordination and reducing errors.
- Design and visualize in 3D. Revit LT allows users to see their designs virtually, improving their understanding of the building and its spaces, and helping them communicate design ideas to clients more clearly and effectively.
- Create photorealistic renderings in the cloud. Users who purchase Autodesk Subscription with Revit LT can render in the cloud directly from the Revit LT interface, enabling them to produce compelling, photorealistic visualizations without tying up their desktop.
- Exchange designs in the DWG or RVT file formats. Produce designs in the DWG file format, and experience fluid file exchange with project team members using other Autodesk Revit software applications.

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Cadence Announces Industry's First DDR4 Design IP Solutions Are Now Proven in 28nm Silicon

4 September 2012

Cadence Design Systems, Inc. today announced that the first products in the Cadence DDR4 SDRAM PHY and memory controller design intellectual property (IP) family have been proven in silicon on TSMC's 28HPM and 28HP process technologies.

Cadence has received and characterized multiple versions of its DDR PHY and controller IP in 28nm silicon based on advanced drafts of the DDR4 standard. The proposed DDR4 standard, anticipated to be released by JEDEC later this year, will offer users substantial performance benefits over DDR3. DRAM devices adopting the DDR4 standard are expected to have 50 percent higher operational frequency and double the memory capacity of DDR3 devices while reducing the power consumed in the DRAM by as much as 40 percent per bit transferred.

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"DDR4 is going to be the next big thing in DRAMs, but its signaling is challenging to handle," said Jim Handy of Objective Analysis. "As PCs migrate to DDR4 DRAMs, this standard will become the volume leader, giving it a price advantage that will be impossible to ignore. ASIC designers who want to take advantage of that pricing are likely to need a lot of help putting a reliable interface on their products."

The Cadence silicon-proven PHY family includes a high-speed implementation of the DDR4 PHY that exceeds the data rates specified in the DDR-2400 draft, meeting the requirements of next-generation computing, networking, cloud infrastructure, and home entertainment devices, while offering interoperability with current DDR3 and DDR3L standards. Also proven in TSMC 28HPM silicon, is a low-power, all-digital mobile PHY implementation that exceeds the data rates called for in both the DDR-1600 and DDR-1866 DDR3 standards and the maximum data rate of the low-power LPDDR2 standard. As a result, SoC designers can now deploy fast, power-efficient memory technologies in next generation mobile designs with confidence.

"We are excited to be the first to offer silicon-proven DDR4 memory controller and PHY IP that will enable our customers to exceed performance and power requirements in their next generation SoCs with reduced risk," said Marc Greenberg, director of product marketing, SoC Realization Group at Cadence. "Our broad portfolio of leading design IP solutions delivers advanced features, and a unique approach to customization that allow our customers to deliver highly differentiated products while shortening their time-to-market."

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DEXMA Labs Releases Beta Version of Enhanced PLM Solution for Small to Mid-Sized Companies Worldwide

4 September 2012

DEXMA Labs announced today at Social PLM 2012 (<http://social-plm.com/>) that the company is introducing a beta version of its next generation product lifecycle management (PLM) software, DEXMA PLM+™. Designed specifically for small to mid-sized manufacturing companies who perform product development, this affordable solution goes beyond traditional PLM software, adding manufacturing solutions to an already packed feature set.

"Today's SMBs need a better solution -- one uniquely suited for smaller companies who are trying to innovate and increase productivity as cost-effectively and simply as possible," stated Nikolai Nyrkov, CEO and Director of Product Development at DEXMA Labs. "DEXMA PLM+ lets companies streamline their business processes at approximately one-third the cost of today's PLM SaaS (Software as a Service) or pay-per-user software. Additionally, the feature-rich software is simple to install and use."

CIMdata PLM Industry Summary

DEXMA PLM+ contains the standard product data management (PDM) and PLM functions. Additionally, DEXMA PLM+ improves productivity with even more features including: project and task management and parts/material catalogs, which can be shared with suppliers and manufacturing management (to be released soon).

DEXMA Labs offers businesses two SaaS deployment options: cloud or on-premise.

- **Cloud-based deployment** reduces capital expenditures, speeds implementation, streamlines management, has automated updates and is scalable. In addition to data being secure, it is also extractable-which means at any time-all data can be quickly and easily brought on-premise, if desired.
- **On-premise deployment** is available for companies who would rather have their data hosted within their own firewall. This type of deployment is also fast and easy, taking only a matter of hours.

About DEXMA Labs

DEXMA PLM+ is a product of DEXMA Labs, a division of ASCON Group. Development of DEXMA PLM+ was started in 2010 to meet the growing demand of SaaS products in the PLM marketplace. ASCON Group is a developer and integrator of professional CAD/AEC/PLM solutions and operates in 60 offices/dealer centers worldwide. ASCON installations exceed 40,000 seats in automotive, heavy machinery, aerospace and defense, oil production and power generation, manufacturing and construction, electronics and engineering industries.

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IES Launch New OPTIMISE Consulting Service

5 September 2012

[Integrated Environmental Solutions \(IES\)](#), a provider of integrated performance analysis software and consulting services for sustainable building design and operation, today announced the launch of its new OPTIMISE consulting service. A special launch event is taking place today in London to celebrate the successful conclusion of this 2 year funded project from the Technology Strategy Board.

Bringing together a unique mix of [partners](#) and expertise, the project has produced the first tool of its kind to incorporate simulation based optimisation to provide designers with automatically generated design solutions. Solutions that minimise the carbon emissions, capital costs, and life cycle costs of a building presented alongside design goal sensitivity.

As Project Managers, IES led the team in collaboration with AECOM, Mott MacDonald, Ingenium Archial, Davis Langdon an AECOM Company, CIBSE and Loughborough University. OPTIMISE will be available initially through IES Consulting's expert projects team with the final product due to be released in November 2012.

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The Consulting Service will help industry practitioners realise efficiency in design decisions alongside efficiency in building energy. The service will deliver speedy feedback on numerous form, construction and HVAC permutations enabling design teams to hone-in on the optimal configuration instantly. The tool now makes it possible to assess hundreds of design options simultaneously, and automatically score the results against selected criteria. By implementing this service at key stages of the design process designers are able to answer their design questions with certainty and deliver a truly optimal design.

“I am delighted that IES have played such a vital part in the successful completion of this project”, says Don McLean, Founder and Managing Director of IES. “All of the partners have worked excellently together, and as a result we have managed to create a real ground-breaking tool. Right at the cutting edge, OPTIMISE is a huge advancement in the sustainable building industry and a great example of the UK leading the way with this type of technology.”

Victoria Blower, AECOM’s Consultant Engineer, Building Engineering, Europe adds, “AECOM is delighted to have had the opportunity to contribute both design and cost management expertise to this pioneering project. This tool will inform critical decisions at both conceptual and detailed design stages. It identifies optimal design solutions that consider key priorities including budget, energy use and carbon emissions and will play a significant role in enhancing the process of sustainable design”.

For further information visit the [OPTIMISE Homepage](#).

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IMSI/Design Announces TurboReview Mobile Mark-Up Solution First to Support 3D PDF

6 September 2012

IMSI®/Design today announced TurboReview™, the 2D and 3D mobile mark-up solution for the AEC world to support 3D PDF (U3D).

"Having a lightning-fast mobile app that lets you markup and measure a wide range of industry standard 2D and 3D documents, like DWG and 3D PDF, is a huge advantage for those in the field," stated Royal Farros, CEO of IMSI/Design.

Besides being able to support 3D PDF, TurboReview includes several other elements, including text that is "always facing" and arrow leaders that will snap to a 3D object, both important when orbiting in 3D.

TurboReview includes:

Mark-Up Features

- Fast 2D and 3D environment
- Redmark tools: Markup 2D and 3D objects using:
 - Line

CIMdata PLM Industry Summary

- Circle
- Rectangle
- Revision cloud
- Highlighter
- Text
- Rectangular text box and leader
- Inquiry tools: Distance/Dimension; Angle; Perimeter; Area
- Layer Manager - Layer view manager to turn layers on/off, invert layers, turn all layers on/off
- Layout support - View model space and paper space layouts in your drawing
- Create screen shots of drawings and markups

Unique 3D Features

- Support for 3D PDF (U3D)
- Unique "always facing" text and dimensions that always face current view in 3D
- Arrow leaders snap to 3D objects, uniquely allowing them to lock and orbit in 3D correctly

Viewing Features

- Smooth multi-touch navigation; Pan, zoom, and 3D orbit effortlessly around document
- A variety of visual styles include wireframe, hidden line, x-ray, gray scale, shaded, shaded without outline, and more
- Adjust edge color range from white-gray-black
- Adjust x-ray transparency factor
- Option to use default or model lights (if any in drawing)
- Option to render both inside and outside model (force two-sided rendering)
- Custom perspective view - Now view 3D models in realistic perspective angles with the ability to view in human eye perspective or specify custom camera lens sizes in mm
- AutoCAD® SHX font support - Native SHX font support to view localized or custom SHX fonts in your drawing file
- TrueType font support - Improved visual fidelity with native TTF font file support to view True Type Fonts in your drawing file
- Supports AutoCAD linetypes - Maintain visual fidelity as intended
- Restore saved AutoCAD views - Quickly display the best vision of your design

Customized Usage

- Tactile sound feedback - Sound confirmation for button and UI item selection
- Autosense for 2D or 3D drawings - Option to automatically set appropriate gesture navigation of a drawing or model
- Option to use two fingers to 3D rotate/tumble or constrain orbit

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- Unique time-savers - Able to navigate full-screen preview during file load; Cancel errant file load

File Sharing, Interoperability, and Localization

- File Management: Create sub-folders; Cut/Copy/Paste/Rename files and folders
- Quickly email marked-up files
- Native support for DWG, DXF, DWF, PDF, 3D PDF (U3D), plus more than a dozen other popular AEC file formats including TCW, 2CD, 3DM, 3DS, ASAT, CGM, DCD, DGN, EPS, FCW, IGS, OBJ, PLT, SAT, SKP, STEP, STL, STP, and WRZ
- Support for 15 languages: Chinese (simplified), Czech, Danish, Dutch, English, French, German, Italian, Japanese, Norwegian, Polish, Russian, Spanish, Swedish, and Turkish

Please visit www.IMSIdesign.com for more information.

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Innovyze Introduces H2ONET V11 for AutoCAD 2013

4 September 2012

Redrawing the boundaries of innovation in the waterworks industry, Innovyze today released its V11 Generation of *H2ONET* for AutoCAD® 2013, enabling engineers to work faster and more efficiently than ever with very large network models.

Built atop AutoCAD® *H2ONET* delivers performance in integrated real-time network modeling, GIS data exchange, spatial database query and analysis across multiple data types, and the sophisticated mapping essential to complete infrastructure (asset) management and business planning.

With *H2ONET*'s pioneering functionality and computational algorithms, engineering professionals can directly access CAD and GIS datasets, extract pertinent modeling information, and automatically construct, skeletonize, load, calibrate, analyze, design, operate, and optimize any network model — saving time and money across the enterprise. Such capabilities prove invaluable to water utilities in complying with drinking water quality regulations, understanding and controlling taste and odor problems, developing cost-effective energy solutions for water system operations, improving system reliability and integrity, optimizing capital improvement and rehabilitation programs, enhancing community relations, and planning sound security measures.

V11 marks another milestone in the evolution of Innovyze's flagship product, *H2ONET*, which has set an industry standard for comprehensive CAD-based water distribution engineering and proven to be the premier choice for major ENR design firms and large water utilities around the world. Sophisticated enough for the most complex of projects, yet approachable for beginners, the new *H2ONET* V11 has been engineered at deep levels to provide advanced modeling functionality and exponential increases in efficiency and speed while simplifying use. In addition to supporting the newly released AutoCAD® 2013, *H2ONET* V11 introduces features that advance core database and graph reporting functions,

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delivering network modeling capabilities that are faster and more intuitive than ever before. These enhancements propel *H₂ONET* product suite applications into the next generation and carry on Innovyze's time-honored practice of continually adding value to its software, bringing unsurpassed modeling innovations into the mainstream, and backing its products with superior high-touch technical support.

“Our priorities have always been to advance the frontiers of modeling technology and support our customers' successes by making them more productive and competitive,” said Paul F. Boulos, Ph.D., BCEEM, Hon.D.WRE, Dist.D.NE, F.ASCE, President and Chief Operating Officer of Innovyze. “Our customers expect accuracy, efficiency, and throughput to generate outstanding designs and modeling solutions as quickly as possible. Supporting AutoCAD® 2013, *H₂ONET* V11 delivers on our promise to equip customers with the ultimate intelligent decision support tool for water distribution systems. With this latest version, *H₂ONET* once again raises the bar for fast, high-fidelity, high-performance smart water network modeling and management with unrivaled power, cutting-edge capabilities, rich functionality, and ease of use. From top to bottom, this release is designed to enable world-record modeling performance — allowing our users to increase productivity and quality while achieving their engineering and business goals.”

For more information, call Innovyze at +1 626-568-6868, or visit www.innovyze.com.

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MotorSolve v4 with New Switched-Reluctance Analysis & Enhancements to Thermal Module 5 September 2012

Infolytica Corporation announces MotorSolve v4 is available. This new release has numerous improvements, which include a new SRM analysis module and major enhancements to the recently added Thermal analysis module.

MotorSolve now includes a fully automated finite element analysis (FEA) module for switched-reluctance machines. Users can select between an extremely rapid static FEA solve (ideal for early in the design process) or a full time-stepping non-linear FEA simulation (ideal for final design verification), depending on the level of accuracy they require.

MotorSolve SRM outputs the standard performance charts and field plots that motor designers require. Design parameters, performance data and summary comparisons can be recorded in an experimental log or report. Results are also easily accessible either with the use of the clipboard or export functionality.

"We refer to MotorSolve as an automated FEA design tool since the user doesn't have to worry about the mesh or any typical post-processing tasks associated with FEA software" said Chad Ghalamzan, Marketing Manager at Infolytica Corporation "They select from an extensive list of performance indicators - quantities, charts, field plots, etc – what data they require. MotorSolve runs the automated FEA solver by handling all these 'typical' pre and post processing steps for the user, and produces the

desired results as required."

Building on the recently added MotorSolve Thermal module, new cooling types and other enhancements have been added to the package. Another key feature is the ability to display temperature fields as a shaded plot. This can be shown on radial or axial slices – extremely useful when trying to determine hot spots and heat flow between components.

Some other important additions to this release include:

- Import custom rotor geometry via a DXF file
- Exporting to Simulink©

Infolytica will be holding a free web seminar on September 6, 2012 to demonstrate the newest features available in MotorSolve Thermal. To register, visit the [Analysis of Different Cooling Configurations with MotorSolve v4 registration page](#).

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NX 8.5 Delivers Customer-Driven Enhancements to Help Reduce Time to Market

6 September 2012

[Siemens PLM Software](#), today announced the latest release of [NX™ software](#), the company's fully integrated computer-aided design, manufacturing and engineering analysis (CAD/CAM/CAE) solution. The latest version, NX 8.5, includes extensive customer-driven enhancements and new capabilities that provide increased flexibility and productivity across product engineering and manufacturing to help reduce time to market. NX 8.5 builds on Siemens PLM Software's [HD-PLM vision](#), which was established to help companies make smarter decisions more efficiently and with a higher level of confidence.

“The extensive customer-driven enhancements and new capabilities in NX 8.5 will help our customers further reduce time to market and facilitate smarter decisions that result in better products,” said Jim Rusk, senior vice president, Product Engineering Software, Siemens PLM Software. “By intelligently integrating information and providing customers with a high definition user experience, we are reinforcing our commitment to HD-PLM. NX 8.5 also continues our focus on maximizing customers’ return on their PLM investment. By conducting extensive testing to ensure version compatibility between each new release, we can deliver a future-proof architecture our customers will never outgrow.”

NX 8.5 for Design

NX 8.5 delivers a wide range of new and enhanced design functionality, to help improve efficiency and reduce design time. Streamlined workflows and an enhanced user experience help improve productivity, minimize input, and reduce the effort required to accomplish design tasks.

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In addition, new design commands help shorten design cycle times by up to 30 percent. For example the new Emboss Body command requires fewer steps when combining a region of faces from another intersecting solid or sheet body. NX 8.5 also includes new capabilities for feature modeling, sheet metal design, freeform modeling, validation checking and drafting.

NX 8.5 continues to leverage synchronous technology, a Siemens PLM Software innovation that combines the speed and flexibility of direct modeling with the precise control of dimension driven design, to provide designers and engineers a better way to create and edit designs.

NX 8.5 for Simulation

NX 8.5 includes new simulation enhancements that help development teams more efficiently engineer products. For example, new optimization tools such as NX Shape Optimization, suggest specific, detailed improvements to an existing design to reduce stress concentrations. NX 8.5 also includes improvements in simulation modeling, structural, thermal, flow, motion and multi-physics analyses to help prepare more accurate analysis models faster, and speed solution time by as much as 25 percent.

The release of NX 8.5 for Simulation also includes the release of a new version of the widely used [NX Nastran® software](#), a premier FEA solver for computational performance, accuracy, reliability and scalability. The new version, NX Nastran 8.5, further increases the types of solutions that can be performed, along with a number of computational performance and engineering workflow improvements, such as new edge-to-edge glue contact and glue connections.

NX 8.5 for Manufacturing

NX 8.5 includes the full release of Volume Based 2.5D Milling. Customers working with the initial introduction of this solids-based approach to the programming of prismatic shaped parts have reported excellent ease of use and faster programming times. Also new are functions to support and automate multi-part and multi-stage machining. These new NX 8.5 CAM functions are particularly relevant to the type of parts commonly found in the machinery industry.

The highly automated quality inspection programming capability offered by NX CMM Inspection Programming has been added to NX 8.5 with measurement results analysis and display inside of NX. NX CMM extends the value of NX as a single, wide-ranging solution for manufacturing engineering.

In addition, new cutting tool library and CAM data management capabilities support faster NC programming and make it easier to access and re-use resource information, and ensure the use of the correct data from NC programming through to machining.

NX 8.5 is expected to be available in October. For more detailed information on all the new functionality in NX 8.5, please visit www.siemens.com/plm/nx85.

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Siemens PLM Software Announces new Teamcenter Performance Results

4 September 2012

[Siemens PLM Software](#) today announced it has measured excellent results in performance and scalability tests for its [Teamcenter® software](#) running on the SQL Server 2012 data platform and Windows Server 2008 R2 Enterprise operating system. Conducted in conjunction with Microsoft and with the help and support of Intel, the test results demonstrate the full enterprise capabilities of the SQL Server 2012 data platform for PLM.

The testing simulated 10,000 concurrent user sessions, indicating that the system would actually support many of the world's largest PLM implementations since the number of concurrent users represents only a fraction of the number of actual users. The performance tests were conducted to prove large scale deployment capability to support the continued expansion of Teamcenter deployments across the extended enterprise. The tests validate that Teamcenter and SQL Server 2012 are ultimately scalable to support virtually any size implementation and provide a high performance PLM system with a low total cost of ownership.

“SQL Server 2012 and Siemens PLM Software’s technologies give customers an interoperable, scalable and cost-efficient IT foundation for PLM deployment,” said Sanjay Ravi, managing director, Worldwide Discrete Manufacturing Industry, Microsoft Corp. “Users can extend PLM to every desktop, eliminate collaboration barriers, simplify IT complexity and ultimately be more productive.”

“As a result of our strong collaboration with Microsoft, we have been able to work together to deliver a comprehensive, enterprise PLM system that maximizes our customers’ return on their PLM investment,” said Eric Sterling, Senior Vice President, General Manager, Lifecycle Collaboration Software, Siemens PLM Software. “The unparalleled ability of Teamcenter to cost effectively start small and scale to tens of thousands of users worldwide, provides our customers a future-proof architecture they will never outgrow. This capability combined with our respective IT and PLM leadership enables us to provide an integrated offering that helps our joint customers leverage PLM technology to make smarter decisions, which results in better products.”

Siemens PLM Software and Microsoft shared equal responsibility in arranging and conducting the performance tests, which utilized the latest software offerings. Teamcenter was deployed on SQL Server 2012 and Windows Server 2008 R2. Using Intel® Xeon® processors, 10,000 concurrent Teamcenter users were simulated using a standard Siemens PLM Software testing methodology executing common PLM actions. For more information on the performance test visit: www.plm.automation.siemens.com/en_us/partners/simplify.shtml.

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Support for 2013 Versions of AutoCAD Civil 3D and Autodesk Revit Solutions Now Available

4 September 2012

Eagle Point Software Corporation, an Autodesk AEC Industry Partner, announced the addition of AutoCAD Civil 3D 2013 and Autodesk Revit 2013 resources to Pinnacle Series, which enables AEC organizations to immediately take advantage of the new features found in the latest Autodesk software and increase overall productivity.

[Pinnacle Series for Civil Engineering](#) expands the already comprehensive Civil Engineering resources with content for AutoCAD Civil 3D 2013 that includes new Pressure Pipes, Quantity Takeoff, Rail Design, Subassembly Composer, and Map Creation Workflows. Additionally, over 60 new cheat sheets have been added, as well as new live and recorded training classes.

The new releases of [Pinnacle Series for Building Design Professionals](#), addresses the latest functionality found in Autodesk Revit 2013 products. In addition to the existing BIM workflow, training and support resources, new content for Revit Architecture, Revit MEP and Revit Structure includes: Stairs by Component, Railings, Discipline Management, View Templates and Material Editor usage. Autodesk Revit family creation workflows and training classes have also been significantly enhanced and now include advanced parametric family creation.

To learn more about the Pinnacle Series
visit: <http://www.eaglepoint.com/products/pinnacleseries/index.html#ps>.

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Tighter Modelica Integration in Latest Release of MapleSim

4 September 2012

Maplesoft™ today announced a new release of [MapleSim™, the Modelica®-based physical modeling and simulation platform](#). With tighter Modelica integration, as well as more simulation, analysis, and connectivity capabilities, MapleSim 6 offers even more ways for engineers to meet and exceed their system-level requirements.

[MapleSim is based on the open standard Modelica modeling language](#) for describing physical models and components. In MapleSim 6, support for Modelica is enhanced in many ways making it easier for engineers to take control of their modeling and analysis. MapleSim 6 includes a view that instantly shows the corresponding Modelica code for any subsystem or component. By looking at the code, engineers can tell precisely what their model is doing, and more easily correct or improve its behavior. Other Modelica features include the ability to open and immediately use Modelica files inside MapleSim; the ability to easily save any MapleSim model as a Modelica file; and, through the new MapleSim Connector for FMI, the ability to export MapleSim models in a standard format that was established with the help of the Modelica Association, which is easily understood by other FMI-compliant tools.

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“The combination of Modelica, an open, object-oriented, system-level modeling language, with the symbolic computation power of MapleSim enables a level of understanding, power, and extensibility that is not possible with “black-box” tools,” says Dr. Laurent Bernardin, Executive Vice-President and Chief Scientist at Maplesoft. “With the new features in MapleSim 6, it’s even easier for our [customers](#) to gain deeper insight into their designs, rapidly completing their most innovative projects and then passing their results down the toolchain.”

Maplesoft expanded the entire MapleSim product suite by releasing [several additional add-on products](#), many created in partnership with industry leaders. The MapleSim Connector for FMI lets users export models to other FMI-compliant tools; the MapleSim Connector for B&R Automation Studio enables the transfer of physical models into the integrated development environment of B&R Automation Studio; and the MapleSim Connector for VI-CarRealTime™ allows engineers to incorporate high-fidelity, multidomain models created in MapleSim into the real-time vehicle simulation environment of VI-CarRealTime.

MapleSim 6 also offers [several new features](#) that reduce development time by speeding up the testing and experimentation process. MapleSim 6 supports the ability to access external code directly from within their simulations. For example, customers can simplify their testing by calling external controller code directly from within MapleSim, instead of exporting the MapleSim model to another tool. MapleSim 6 also includes a new “snapshots” feature that speeds up experimentation by allowing customers to start experiments from any time-step and initial condition without having to rerun the model every time. This release also provides the ability to run batch simulations and optimizations in parallel, taking advantage of multiple CPUs to complete the computations significantly faster. MapleSim 6 is available in both English and Japanese. Maplesoft is unveiling this new version of MapleSim at the [International Modelica Conference](#), held in Stuttgart, Germany from September 3rd to 5th, 2012.

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Visual 2000 Advances Design-PLM Integration with New Adobe Illustrator Plug-In

4 September 2012

Visual 2000 International Inc. announces immediate availability of an advanced Adobe® Illustrator® Plug-In for Visual PLM.net®. This technology goes beyond earlier integration efforts to enable fashion designers and developers to take full advantage of popular Illustrator design capabilities to quickly and easily launch new products for further development in PLM. When installed on either a Mac® or PC computer, the new plug-in automatically makes images and selected product and style information created in Illustrator immediately available for use in Visual PLM.net. Images and information subsequently added in PLM is likewise viewable in Illustrator.

“Because Illustrator is so widely used, this represents a significant improvement in both usability and process workflow for fashion designers and developers”, explained Charles Benoualid, Vice President of Research and Development. “This advancement moves us beyond simple integration to full interoperability between the two systems. Our clients will benefit immediately from the time savings,

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elimination of rework, and improvements in product collaboration.”

The Adobe Illustrator Plug-In is available free of charge to all current Visual PLM.net customers. It will also be delivered as a standard component with new Visual 2000 PLM and End-2-End™ systems.

With the new plug-in, design and development teams can now launch new concepts and styles by creating designs, colors, storyboards, and other product components within Illustrator. New drop-down menu options added by the plug-in also allow Illustrator users to enter descriptive information about the new product, including product code, type, division, sales period, and other basic details. When developers open the newly created style in Visual PLM.net, all related images and information are ready in place and ready for further development. Bi-directional capabilities of the new tool also allow Illustrator users to view style information and images added in PLM. All information is automatically maintained in pre-determined locations to ensure easy access by authorized team members.

For more information, visit <http://www.visual-2000.com>.



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