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Acquisitions

Autodesk Completes Acquisition of Softimage

November 18, 2008

[Autodesk, Inc.](#) today announced that it has completed the acquisition of substantially all of the assets of Softimage - a developer of 3D technology for the film, television and games markets - for approximately \$35 million. On October 23, 2008, Autodesk announced it had signed a definitive agreement to acquire [Softimage](#) from Avid Technology, Inc.

"We welcome Softimage customers, strategic partners and employees to Autodesk," said Marc Petit, senior vice president, Autodesk Media & Entertainment. "This acquisition brings advanced 3D tools to our entertainment portfolio; tools that are known and loved by the 3D entertainment community. With production pipelines becoming entirely digital, and the convergence between games, film and television content, this acquisition is expected to complement and accelerate Autodesk's work in building real-time, interactive 3D authoring tools."

Petit added: "I'd like to reiterate that we plan to maintain and grow the Softimage product line, while doing the same with our existing 3D animation, modeling and rendering software products. Marc Stevens, former general manager of Softimage, has joined my management team. I look forward to working with him and the talented Softimage product and business teams to evolve the Softimage products' capabilities."

Softimage Product, Brand and Online Store

Autodesk intends to sell standalone versions of both the SOFTIMAGE|XSI and SOFTIMAGE|Face Robot 3D software products, and intends to continue developing these products. The SOFTIMAGE|Cat character animation system is a plug-in for Autodesk 3ds Max software and is expected to be integrated into the Autodesk 3ds Max product line. The SOFTIMAGE|Crosswalk interoperability solution is intended to be integrated with Autodesk's own interoperability technology.

Autodesk plans to continue to use the Softimage trademark, and the Softimage brand will become part of the Autodesk brand identity. While there are no immediate changes to the names of Softimage products, Autodesk intends to make changes to product branding with the next software releases.

The Softimage online store is temporarily offline, in order for Autodesk to integrate it with Autodesk's online store. Within a few weeks, Autodesk expects to make Softimage products available online for customers based in the United States. Over time, Autodesk intends to add Softimage products to its e-stores for all regions where other Autodesk products are sold online.

For further information please visit www.autodesk.com/softimage

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Dassault Aviation Enters Exclusive Discussions with Alcatel-Lucent to Acquire its Stake in Thales

November 18, 2008

Following [Dassault Aviation's](#) press release on October 13, 2008 and Alcatel-Lucent's one on October 14, 2008, both companies today announced that they are entering exclusive discussions until December 15, 2008 to acquire Alcatel-Lucent's 20.8% stake in Thales by Dassault. The acquisition price will be 38 euros per share.

Dassault Aviation's work's council and board of directors will be called for a meeting.

Dassault Aviation will file with the AMF (French Financial Market Authority) a request for exemption to launch a mandatory tender offer.

Besides, Dassault Aviation has launched discussions with the French state to define the scope of their partnership as shareholders of Thales.

Dassault Aviation and Alcatel-Lucent will keep the market informed about any significant change in their negotiations.

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Company News

Anna University to Create PLM Center of Excellence with In-Kind Software Grant from Siemens PLM Software

November 19, 2008

[Siemens PLM Software](#), a business unit of the Siemens Industry Automation Division and a leading global provider of product lifecycle management (PLM) software and services, today announced an in-kind software grant with a commercial value of US\$23 million to Anna University in Chennai, India.

Anna University will utilize Siemens PLM Software's industry-leading technology to establish a PLM Center of Excellence that will bring state of the art technical education in the field of PLM to students in the state of Tamil Nadu. Anna University will incorporate PLM and computer-aided design, manufacturing and engineering (CAD/CAM/CAE) tools into the curricula to help students develop a wide range of skills in digital product development, digital lifecycle management and digital manufacturing. The grant is provided through Siemens PLM Software's GO PLM™ (Global Opportunities in Product Lifecycle Management) program.

“Anna University has committed itself to be at the forefront in the service of the nation by achieving excellence in engineering education, fostering co-operation and collaboration between academia and industry across the country,” said Dr. D. Viswanathan, vice chancellor, Anna University. “We have been committed to providing our students with the most current, technologically relevant education to ensure that they have the skills demanded by industry. We chose to partner with Siemens PLM Software because of their leadership position in the PLM industry worldwide and their commitment to work jointly with us in achieving our vision.”

“India is one of the fastest growing economies of the world and very important to our company,” said

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Hans-Kurt Lübberstedt, senior vice president and managing director, Asia Pacific, Siemens PLM Software. “Siemens PLM Software is committed to fostering engineering talent in India by providing the tools to enhance skill sets to meet industry needs. We are proud to partner with Anna University, to provide students training on the same software tools that are used by leading manufacturing companies worldwide.”

“Siemens PLM Software is proud to be associated with Anna University and looks forward to providing future designers and engineers our industry leading PLM technology,” said Narendar Reddy, managing director, India, Siemens PLM Software. “Today’s leading manufacturers compete on the basis of time to market, product cost, quality and innovation. We are glad that the students will have the opportunity to gain experience with technology that supports these objectives.”

GO PLM Program

Siemens PLM Software’s GO PLM™ initiative leads the industry in the commercial value of the in-kind grants it provides and brings together four complementary community involvement programs focused on academic partnership, regional productivity, youth and displaced worker development and the PACE (Partners for the Advancement of Collaborative Engineering Education) program. GO PLM provides PLM technology to more than 950,000 students yearly at nearly 9,300 global institutions, where it is used at every academic level – from middle schools to graduate engineering research programs. For more information on GO PLM and the partners and programs it supports visit www.siemens.com/partners/goplms.

About Anna University

Anna University was established on 4th September 1978 as a unitary type of University. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities. Since December 2001, it has become a large, highly renowned affiliated University, having brought into its fold all the Engineering Colleges located in various parts of Tamilnadu State. Since February 2007, Anna University Chennai affiliates all the Engineering Colleges from 6 districts in and around Chennai.

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Atos Origin Supervisory Board appoints Thierry Breton as CEO and Chairman of the Management Board of Atos Origin

November 16, 2008

The Supervisory Board of Atos Origin chaired by Jean-Philippe Thierry convened on 16 November 2008.

The Supervisory Board members decided unanimously to appoint Thierry Breton as CEO and Chairman of the Management Board of Atos Origin to replace Philippe Germond who leaves the Group.

The Supervisory Board thanked Philippe Germond for his contribution at the head of Atos Origin for making the organisation evolve and for returning the Company back to growth.

Thierry Breton was Deputy General Manager and then Chief Operating Officer of Bull group from 1993 to 1996, CEO of Thomson group from 1997 to 2002, CEO of France Telecom from 2002 to 2005. Thierry Breton was Minister of Economy and Finance in France from February 2005 to May 2007.

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The Supervisory Board has appointed Thierry Breton in order to allow the Company to accelerate the roll-out of its transformation plan, refocus on key businesses and reinforce its market share.

Jean-Philippe Thierry, Chairman of Supervisory Board declared: “Thierry Breton brings outstanding entrepreneurial, international and industry experience from leading large companies in the IT sector, in new technologies and telecommunications. He will rely on solid existing foundations to further grow and strengthen the Group. He will lead the strategy of the Group in order to face and overcome the challenges of the current economic environment and to start a new step in its development. All the members of the Supervisory Board and myself fully trust Thierry Breton to enhance rapidly the value for all shareholders.”

Thierry Breton said: “I am very glad to join a European Group with solid positionings across promising markets in 40 countries, with more than 50,000 staff whose technical skills and professionalism are recognised worldwide. The Company has stable shareholders with great and legitimate ambitions for its development.”

The Supervisory Board will propose at the next Annual General Meeting a change of the articles of association to transform the Company into a “Société Anonyme” with a “Conseil d’Administration” (Board of Directors), instead of the current Supervisory and Management Boards. Thierry Breton will be proposed as Chief Executive Officer of Atos Origin under the future legal structure.

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AVEVA Solutions receives the Technical Innovation Award at 6th Annual Seatrade Middle East and Indian Subcontinent Awards

20 November 2008

[AVEVA](#), the leading supplier of engineering IT systems for the plant and marine industries, has received the Technical Innovation Award at the recent 6th Annual Seatrade Middle East and Indian Subcontinent Awards ceremony held in October this year.

Nearly 700 senior executives from maritime companies across the Middle East attended a gala presentation dinner for the annual awards ceremony, held this year at the Intercontinental Hotel in Festival City, Dubai.

The Technical Innovation Award was presented in recognition of the achievements of AVEVA's Marine solution portfolio, a comprehensive software environment covering the entire marine project lifecycle; from design and analysis, detailed engineering, production and build through into complete Product Lifecycle Management, for all types of vessels. AVEVA Marine has been developed over many years, in partnership with many of the world's leading shipbuilders, and is acknowledged as the world's leading shipbuilding solution.

"We are delighted that AVEVA Marine has been recognised at the Middle East's premier maritime industry awards," said Martin Yeomans, Executive Vice President of AVEVA Western Europe, Middle East and Africa.

"We have enjoyed strong growth in the global shipbuilding markets in recent years, including here in the Middle East with new customers realising the benefits that AVEVA Marine brings from reduced material and production costs delivered as a result of multi site, multi discipline integrated design and production capabilities" he added.

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Delcam Mouldmaking Software Achieves One-Year Payback

November 17, 2008

An investment in Delcam software by Dynamic Tool & Design paid for itself in less than a year by boosting the company's ability to produce complex moulds quickly and accurately. Dynamic, based in Menomonee Falls, Wisconsin, is a full-service, mould builder providing assistance in product design, in-house mould design, Moldflow analysis, certification of steel and heat treating, and verification of critical mould dimensions. The company specialises in moulds for snap-shut closures; the caps on bottled consumer products from shampoo to ketchup and mustard.

Each year, the company creates about eighty-five new moulds, and provides duplicates of many more, plus rebuilds. Looking for ways to improve the productivity of programming staff and reduce machining cycle times, and potentially eliminate secondary operations, Dynamic invested in Delcam's PowerSHAPE CAD software and PowerMILL CAM system. Despite seven years experience with a previous software system, it was just not allowing the company to accomplish its goals of faster delivery and higher accuracy.

According to Randy Lee Meissner, CNC Department Supervisor, the previous software was hard to use and not sufficiently flexible. "We were cutting a lot of air, the surface finish was not good enough and it was a fight to get it to run five-axis programs. We decided it was time to check into something better, with a shorter learning curve."

"Rest machining with the Delcam software is a huge time-saver," Mr. Meissner said. "This alone has easily saved us upward of 25% to 50% on our cavity machining cycle times, cutting down roughing times particularly, so we can move quickly to the finished mould. With PowerMILL, the tool is always in the cut, removing the unwanted material, with no air cutting. You're always on the steel."

The Delcam software helps Dynamic to maintain a high level of consistency in its programming. This directly and positively affects time in process and customer satisfaction. "We develop processes where each engineer is using the same techniques and the same tools, so there is no variation among the work the guys are doing," Mr. Meissner explained. "That way the customer also can count on consistency in the moulds we do from order to order. In the old days, there may have been some hand-fitting. Not any more."

"When the programmers want to edit paths, they can do it quickly. They can pick any part of a toolpath, delete it and still have the rest of the toolpath intact. The new toolpath only needs to be calculated for the relevant area, not for the whole part. That's a big time-saver for us," Mr. Meissner said. "With the other software, when we wanted to make any change in the program it had to re-calculate everything, which could take five to ten minutes each time, depending on the size of the file."

Upstream from PowerMILL in the programming department is PowerSHAPE. With PowerSHAPE, Dynamic programmers analyse imported models for damaged, duplicated or missing surfaces, inspect draft angles, and visualise hard-to-mould regions. They can also repair, replace or modify surface or solid models, and add textures, logos and complex embossed reliefs.

The company also uses Delcam Electrode, which is fully integrated with PowerSHAPE and PowerMILL. This provides automatic generation of solid electrode models for EDM. Within a few minutes, a complex cavity in a model can be automatically extracted to form a collision-checked, 3-D

solid model of the electrode, together with its holder, set-up sheets and the toolpaths for its manufacture.

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ModuleWorks launches German version of Website

November 21, 2008

ModuleWorks, the leading supplier of CAD/CAM components for toolpath generation and simulation, today announced the launch of www.ModuleWorks.de, a German language version of its recently launched website to showcase its range of components for 3-5 axis toolpath generation, verification and machine simulation.

The new content has been launched to coincide with the Euromold trade show which takes place in Frankfurt from December 3-6th where ModuleWorks will be exhibiting in Hall 6, booth B22. On show will be new versions (v2008.9) of the state-of-the-art CAM components for machining and simulation.

Yavuz Murtezaoglu, Managing Director for ModuleWorks comments, "Our new website has been well received since the summer launch and we have now extended it to provide both German and also Japanese content to reflect interest in our products from these major markets." On Euromold he states, "Euromold is an important event in the trade show calendar and we will be there to support our partners in their machining demonstrations and meet with new and potential partners."

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

About ModuleWorks

ModuleWorks is a software component provider for the CAD/CAM industry. ModuleWorks' expertise in 5-Axis simultaneous machining is recognised throughout the CAM industry and its software components and development services are used in many of the leading CAM vendors in the market today. ModuleWorks 5-Axis software has been used to manufacture complex 5-axis parts for more than 10 years and now has over 2000 users world

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SAP Americas Reports Success of New Program for Midsize Companies

November 19, 2008

SAP Americas, a subsidiary of [SAP AG](#), today announced that it has signed 76 customers as part of its new SAP® Business All-in-One fast-start program, initially introduced in May 2008. By combining leading software, hardware and services, the fast-start program, which targets midsize companies in manufacturing, services and wholesale distribution, enables rapid implementation and a fast return on investment (ROI), making the program a best-fit for the demands of midsize businesses in today's economic environment.

Additionally, 12 SAP channel partners have qualified for the fast-start program and are now focused on helping midsize companies benefit from the advantages to configure SAP Business All-in-One online, receive immediate estimate of costs⁽¹⁾ and experience a quick implementation through SAP and partners with minimal business disruption. By delivering rapid time to value, as well as the flexibility to tailor the solution to changing business needs, the solution also protects the customers' long-term investment program.

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Using preconfigured SAP® Best Practices packages that are delivered with the pre-tested SAP Business All-in-One solutions as well as a set of tools, the fast-start program helps simplify buying while making implementations of SAP Business All-in-One faster and more predictable through allowing prospects and partners to explore, demo, evaluate and implement solutions tailored to customers' business needs. These tools include the solution configurator for SAP Business All-in-One solutions, which allows prospects to configure their solutions online and get cost estimates immediately; the demo assistant, to provide the prospect with an overview of the industry-specific processes that are most important for his own company; and the installation wizard, which enables qualified partners to install the pre-tested offering, including the SAP software and operating system configured to hardware choice.

Fast-start Program for SAP Business All-in-One Supports Growth Strategies

Fast-growing midsize company Northwest Territorial Mint has started implementation of the SAP Business-All-in-One fast-start program.

"We are excited about being able to rapidly deploy SAP software to enable Northwest Territorial Mint to meet some of our key strategic objectives in managing our custom minting business," said Ross Hansen, CEO, Northwest Territorial Mint. "We expect to be live on SAP far faster than originally expected.

"The Bramasol fast-start offering enables us to offer our customers an ability to gain sustainable competitive advantage through acquiring and deploying SAP software in a way that enables them to achieve rapid time to value," said Peter Mael, CEO and president, Bramasol. "Our customers can begin to realize this in as little as 10 weeks."

"This program really came at the right time," said Paula Milano, executive vice president from Idhasoft, an SAP partner since 2005. "It proves to our midsize customers that we understand their business challenges and are constantly working at optimizing our solutions to be able and support them even better. We have seen great interest from our customers during the past weeks already and absolutely expect this to continue throughout Q4 and the next year."

"With the fast-start program for SAP Business All-in-One, SAP is taking another big and innovative step toward bringing leading-edge business application technology to smaller midsize customers," said Glenn Wada, senior vice president and general manager, SME, SAP America. "Customers get what they are looking for -- fast implementation, ease-of-use, transparency and software that flexibly supports their company's strategy at an appropriate price."

Best-Run Now - Providing Additional Benefits to Customers

In the current economic environment, the right technology solutions are essential tools to help businesses tightly manage cash, drive efficiency and reduce costs, which is what the SAP Business All-in-One fast-start program helps enable companies to do. Companies need proven solution packages that help businesses quickly adjust to the new market reality and thrive in an uncertain economy, as well as enable them to make the appropriate investments to be best-positioned for business gains upon economic recovery. SAP understands that helping customers is essential right now, and therefore launched a new offering called "fast-start now," which will make getting started with the SAP Business All-in-One fast-start program even faster and less expensive, through discounts on software license purchased in Q4 2008. The best practices included in SAP Business All-in-One are built upon SAP's long proven experience in helping businesses manage through tough economic cycles.

Additionally, the SAP zero percent financing now offer helps customers to get proven solutions that

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boost visibility and efficiency and cut operating costs, while keeping their cash. With this offer, provided by SAP® Financing, SAP customers can get zero percent financing for up to 12 months on purchases greater than \$64,000. The offer is available in the U.S. until December 2008 for full invoice amount, including server, software license and maintenance.

(1) Cost estimate is an SAP estimation only and not valid for partners; partner cost estimation may differ.

SAP® Business All-in-One

SAP® Business All-in-One solutions are comprehensive, highly configurable and extensible on-premise business solutions with industry best practices built-in. Optimized to meet the business and IT resource challenges of midsize companies in their respective industries, SAP Business All-in-One is built on a proven foundation of SAP software and technology, enabling midsize companies to flexibly adapt and extend SAP Business All-in-One solutions to meet the unique and changing needs of customers. SAP Business All-in-One solutions are deployed and supported by SAP and a network of more than 1,000 experienced SAP partners in over 50 countries, delivering more than 650 microvertical solutions. SAP Business All-in-One solutions come with all the deployment tools and methodologies that partners need to deliver fast, predictable implementation with low risk, low cost, and rapid time to value. Already, over 12,100 customers around the globe use SAP Business All-in-One to optimize business processes and take full advantage of their growth potential. Additional information available at:

<http://www.sap.com/solutions/sme/businessallinone>.

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SIMULIA Becomes Principal Sponsor for NAFEMS Conference

November 17, 2008

[NAFEMS](#), the International Association for the Engineering Analysis Community, has confirmed that [SIMULIA](#), the Dassault Systems brand for realistic simulation, is the Principal Sponsor for the NAFEMS World Congress 2009 (NWC09). The Congress, to be held from June 16th-19th on the island of Crete, Greece, is the only international event dedicated to simulation and analysis technology, drawing presenters and attendees from around the globe.

SIMULIA, who also recently signed a global corporate membership agreement with NAFEMS, will actively participate in all areas of the 2009 Congress. Tim Morris, CEO of NAFEMS, commented, “We are delighted to have the sponsorship of SIMULIA, a global leader in developing analysis technology, for our upcoming World Congress. The participation and support of the engineering software and computing community as a whole are vital to fulfilling NAFEMS mission.. SIMULIA’s sponsorship also demonstrates their commitment to advocating best practices and open standards for the advancement of simulation technology.” Mr Morris continued, “This agreement further showcases the NAFEMS World Congress as the premier international event in the analysis world. We look forward to working with SIMULIA to make this the largest and most successful conference on the simulation industry calendar.”

“As a global member of NAFEMS and the principal sponsor of their 2009 World Congress, our goal is to accelerate the advancement of simulation technology that enables engineers to perform ever more realistic simulation,” stated Ken Short, VP Strategy & Marketing, SIMULIA, Dassault Systems. “With our record of over 30 years of innovation- and technology-firsts in finite element analysis, delivered through our flagship product Abaqus, we are pleased to support NAFEMS and the FEA community in

general.”

With as many as five parallel sessions running over three days, NWC09 will benefit all those involved in simulation, FEA, CFD, MBS and CAD/CAM. The event will bring together world leading industrial practitioners, consultancies, academic researchers and software developers with a common interest in engineering analysis. As well as the traditional conference sessions, the Congress will include a variety of workshops, roundtable discussion sessions and other meetings covering the latest developments in simulation technology for real-world practical applications. Mr. Morris added, “We are confident that the 2009 NAFEMS World Congress will be the event of the year for the engineering analysis community.”

Full details on NWC09, including additional sponsorship and exhibition opportunities, and delegate registration, can be found at www.nafems.org/congress.

About NAFEMS

NAFEMS is a not-for-profit organization aimed at promoting best practices and fostering education and awareness in the engineering analysis community. In line with its objectives to promote the effective use of simulation technologies, NAFEMS is continually seeking to create awareness of new analysis methodologies, deliver education & training, and stimulate the adoption of best practices and standards by offering a platform for continuous professional development. For more information, visit www.nafems.org.

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Synopsys Unveils IP OEM Partner Program with Arrow Electronics, Global Unichip and Open-Silicon

November 20, 2008

[Synopsys, Inc.](#), a world leader in software and IP for semiconductor design and manufacturing, today announced the launch of its IP OEM partner program with leading fabless ASIC companies and supply channel partners. Arrow Electronics, Inc and Global Unichip Corp. (GUC) join Open-Silicon, an early adopter of the program, as the first companies to sign multi-year agreements standardizing on Synopsys DesignWare® IP for their system-on-chip (SoC) designs. Companies are increasingly turning to fabless ASIC vendors and supply channel partners to help build their complex SoC designs, especially at 65-nanometer (nm) process technologies and below. To address this trend, Synopsys is partnering with key companies to provide seamless access to high-quality DesignWare IP such as PCI Express, USB, DDR and SATA.

Synopsys' IP OEM partner program enables participating companies to have one central supplier for their IP needs. Synopsys' broad portfolio of silicon-proven IP solutions have been deployed in a wide range of applications and process technologies. By gaining easy access to this portfolio, our partners and their end-customers can speed time-to-market and reduce the risk for their SoC designs. Furthermore, the IP OEM program allows the partners to focus their engineering talent on their core differentiation and not on project-based IP procurement. The IP OEM partners will also gain access to Synopsys' next generation of connectivity IP as it becomes available.

The IP OEM partner program extends beyond the traditional customer/supplier relationship by providing the necessary resources and infrastructure to help the partners deliver first-rate support to their end customers and easily create successful designs. Specialized on-site, in-depth product and integration

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training led by Synopsys engineers enables the partners to have an unprecedented level of expertise, resulting in an enhanced end-user experience.

"Synopsys has created a unique business model that is instrumental in helping the supply channel efficiently deliver high-quality designs to our customers," said Chris Miller, director of the Custom Logic Solutions Group at Arrow Electronics. "Expanding our ecosystem to include Synopsys' leading portfolio of silicon-proven IP enables us and our end customers to get products to the market faster."

"As an established IP provider, Synopsys understands the need for a new type of business model to address the growing trends towards outsourcing," said Keh-Ching Huang, marketing director at GUC. "Synopsys' reputation for delivering high-quality IP that supports leading process technologies is in line with GUC's leadership as a fabless device integrator. GUC is committed to first-tier quality by partnering with first-tier suppliers such as Synopsys to ensure the IP fits seamlessly into the design flow for complicated designs."

"As the leading provider of open market ASIC solutions for multiple foundries, we have always been impressed with the quality of Synopsys' IP and their excellent technical support," said Scott Houghton, vice-president business development at Open-Silicon. "We've had a successful long-term relationship with Synopsys and think this step towards working together more closely will result in the industry's best IP integration experience and fastest design time to market."

"By partnering with companies such as Arrow Electronics, Global Unichip Corp. and Open-Silicon, Synopsys is demonstrating its commitment to the IP business and its ecosystem," said John Koeter, vice president of marketing for the solutions group at Synopsys. "This is truly a win-win situation not only for Synopsys and our partners, but also for their customers who benefit from high quality designs that help them bring differentiated products to the market faster and with less risk. We are looking forward to working with our partners to make this program a success."

Availability

For more information on Synopsys' IP OEM partners or to contact us for more information, visit: <http://www.synopsys.com/dw/oempartners.php>.

About DesignWare IP

Synopsys offers a broad portfolio of high-quality, silicon-proven digital, mixed-signal and verification IP for system-on-chip designs. As a leading provider of connectivity IP, Synopsys delivers the industry's most comprehensive solutions for widely used protocols such as USB, PCI Express, SATA, Ethernet and DDR. In addition to connectivity IP, Synopsys offers SystemC transaction-level models to build virtual platforms for rapid, pre-silicon development of software. When combined with a robust IP development methodology, extensive investment in quality and comprehensive technical support, DesignWare IP enables designers to accelerate time-to-market and reduce integration risk. For more information on DesignWare IP, visit: <http://www.synopsys.com/designware>.

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TCS strengthens its presence in China

November 17, 2008

[Tata Consultancy Services \(TCS\)](#), a leading IT services, business solutions and outsourcing organization, today announced the inauguration of its latest Global Delivery Center in Tianjin. The 300

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seat delivery center at Tianjin is TCS China's fourth global delivery center in China after Beijing, Shanghai and Hangzhou.

The Tianjin center will support local business opportunities as well as Business Process Outsourcing (BPO) opportunities for the Japanese, US and European market. This is in line with Tianjin's ambition to become a world class hub for global BPO operations.

TCS also announced that it had established its first office in Shenzhen targeting the booming South China market to tap local, regional and global business opportunities.

Girija Pande, Executive Vice President and Head, Asia Pacific Operations, Tata Consultancy Services said, "The Tianjin and Shenzhen facilities are strategic investments to strengthen our information technology infrastructure in order to leverage the local talent pool. These facilities will help us service the vibrant local market and support our international operations in Japan, US and Europe. This also reiterates our long term commitment to developing China as a strategic location in our off shoring and outsourcing value proposition." He added "The Tianjin delivery center is an integral part of our Global Network Delivery Model™ which includes large delivery centers in India, Latin America, North America, Europe, all of them providing a quality of service and a certainty of outcome that our customers have come to expect from TCS."

TCS continues to hire talented engineers and IT professionals from the region and its universities, strengthening its existing base of over 1,300 employees in China. The Tianjin facility will also serve as an extended Center of Excellence for Microsoft, Oracle and SAP to meet the unique technology needs of the customers. TCS has established Oracle and SAP center of excellence in Hangzhou and Shanghai

With its first branch established in China back in July 2002, TCS was the first Indian IT company to begin operations in China. Since then TCS has continued to pursue opportunities in the China market and has integrated itself into China's development. TCS China can offer a unique value proposition of near shore, multilingual IT services delivery & quality to Manufacturing, Telecom, BFSI, Transportation and Retail organizations in China.

TCS provides best in class IT services to 30 large customers from financial sector, manufacturing, telecommunications, and government sectors in China. TCS operations based in the Hangzhou Binjiang Hi-Tech Industry Development Zone have been awarded the 2007 Hangzhou Best HR Award for its excellence in HR practices and Best Performing Company Award by the District Personnel Bureau of the Hangzhou Hi-tech Industry Development Zone.

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Events News

PTC to Speak at the UBS Global Technology and Services Conference on November 19, 2008

November 19, 2008

[PTC](#), The Product Development Company®, today announced that management will speak at the UBS Global Technology and Services Conference on Wednesday, November 19, 2008, at 11:30am (ET).

What: PTC to present at UBS Global Technology and Services Conference

When: Wednesday, November 19, 2008, at 11:30am (ET)

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

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Replay: The presentation will be archived for public replay until November 24, 2008 at www.ptc.com/for/investors.htm.

The presentation will include management's discussion of PTC's business and outlook, which may include material projections and other forward-looking statements regarding PTC's anticipated financial results and growth, as well as the development of PTC's products and markets and other future events. Please note that statements made in the presentation are as of the date of the presentation and PTC does not assume any obligation to update any statements made or the archived presentation. In addition, any forward-looking statements about PTC's anticipated financial results and growth, as well as about the development of products and markets, are based on current plans and assumptions. Actual results in future periods may differ materially from current expectations due to a number of risks and uncertainties, including those described from time to time in reports filed by PTC with the U.S. Securities and Exchange Commission, including PTC's most recent reports on Forms 10-Q and 10-K.

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Financial News

Autodesk Reports Third Quarter Fiscal 2009 Financial Results

November 20, 2008

[Autodesk, Inc.](#) today reported revenue of \$607 million for the third quarter of fiscal 2009, an increase of 13 percent over the third quarter of fiscal 2008. GAAP diluted earnings per share in the third quarter increased 29 percent to \$0.45, compared to \$0.35 per diluted share in the third quarter last year. Non-GAAP diluted earnings per share in the third quarter increased 14 percent to \$0.56, compared to \$0.49 per diluted share in the third quarter last year. A reconciliation between GAAP and non-GAAP results is provided at the end of this press release.

"The sharp downturn in the global economy had a substantial impact on our results for the quarter," said Carl Bass, Autodesk president and CEO. "Our business in the United States slowed as a result of the economic climate. In addition, we started to experience headwinds in some of our international markets.

"While we realize that there is no quick or easy response to the current economic environment, we are focused on serving our customers and helping our channel partners in these challenging times. We are taking actions to stimulate demand and are making appropriate adjustments to our cost structure. In the process we intend to balance these cost reductions with investing in our future. Investment focus areas continue to be increasing channel capacity and developing technology that will help Autodesk better serve our customers."

Operational Highlights

Autodesk's performance in the third quarter of fiscal 2009 was driven by continued growth of maintenance revenue, model-based 3D design solutions, and revenue generated in emerging economies.

Combined revenue from our model-based 3D design solutions, including Inventor, Revit, Civil 3D, Moldflow, NavisWorks, and Robobat, increased 26 percent over the third quarter of fiscal 2008 to \$163 million and comprised 27 percent of total revenue for the quarter. Excluding \$12 million from Moldflow, which was acquired earlier this year, revenue from model-based 3D design solutions grew 16 percent to \$151 million. Autodesk shipped approximately 41,000 commercial seats of its model-based 3D design products, including approximately 9,000 commercial seats of Inventor and Moldflow and

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32,000 seats of its Architecture Engineering and Construction products - Revit, Civil 3D, NavisWorks, and Robobat.

Revenue from AutoCAD and AutoCAD LT increased 10 percent and 12 percent, respectively, compared to the third quarter of 2008. Revenue from 2D vertical products decreased 6 percent compared to the third quarter of fiscal 2008.

Revenue from emerging economies increased 25 percent over the third quarter of fiscal 2008 to \$114 million and represented 19 percent of total revenue. EMEA revenue was \$258 million, an increase of 27 percent as reported over the third quarter of fiscal 2008, and 20 percent at constant currency. Revenue in Asia Pacific was \$133 million, an increase of 12 percent as reported year-over-year, and 9 percent at constant currency. Revenue in the Americas decreased 1 percent to \$216 million compared to the third quarter of fiscal 2008.

Upgrade revenue and maintenance revenue combined increased 22 percent over the third quarter of fiscal 2008 to \$227 million. Total upgrade revenue decreased 4 percent compared to the third quarter of fiscal 2008. Maintenance revenue increased 31 percent compared to the third quarter of fiscal 2008 to \$186 million, or 31 percent of total revenue. Deferred maintenance revenue decreased \$55 million sequentially and increased \$67 million compared to the third quarter of fiscal 2008.

Net income and earnings per share benefited from lower operating expenses than originally expected, which resulted from an accrual adjustment for annual performance-based incentive plans, a hiring freeze, and lower discretionary spending.

Business Outlook

The following statements are forward-looking statements which are based on current expectations and which involve risks and uncertainties some of which are set forth below. Given the uncertainty of the current markets, Autodesk is not providing guidance for fiscal 2010 at this time.

Fourth Quarter Fiscal 2009

Net revenue for the fourth quarter of fiscal 2009 is expected to be in the range of \$525 million and \$550 million. GAAP earnings per diluted share are expected to be in the range of \$0.13 and \$0.19. Non-GAAP earnings per diluted share are expected to be in the range of \$0.28 and \$0.34 and exclude \$0.07 related to stock-based compensation expense and \$0.08 for the amortization of acquisition related intangibles.

Earnings Conference Call and Webcast

Autodesk will host its third quarter conference call today at 5:00 p.m. EST. The live announcement may be accessed at <http://www.autodesk.com/investors> or by dialing 866-510-0710 or 617-597-5378 (passcode: 46764406). An audio webcast or podcast of the call will be available at 7:00 pm EST at <http://www.autodesk.com/investors>. This replay will be maintained on our website for at least twelve months. An audio replay will also be available for one month beginning at 7:00 pm EST by dialing 888-286-8010 or 617-801-6888 (passcode: 73660289).

The full text of the release including financial charts can be found [here](#).

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Cimatron Reports Revenues of \$10.1M and Net Income of \$0.65M on a Non-GAAP Basis in Q3/08

November 17, 2008

[Cimatron Limited](#), a leading provider of integrated CAD/CAM solutions for the toolmaking and manufacturing industries, today announced financial results for the third quarter and first nine months of 2008.

Third quarter 2008 Financial Highlights, compared to the third quarter of 2007:

- Revenues on a non-GAAP Basis: 27.8% increase to \$10.1 million
- Net Income on a non- GAAP Basis: 23.5% increase to \$0.65 million
- Revenues on GAAP Basis: 24.6% increase to \$9.9 million
- Net Income on GAAP Basis: 77.2% decrease to \$0.11 million

Revenue on a non-GAAP basis in 2008 excludes the effect of business combination accounting rules on the acquired deferred maintenance revenue balance of Gibbs. Expenses on a non-GAAP basis exclude the non-cash amortization of acquired intangible assets of Microsystem and Gibbs, and the deferred taxes related to these acquisition- related items.

The following provides further details on Cimatron's GAAP and non-GAAP figures in the third quarter and the first nine months of 2008:

GAAP:

Revenues on a GAAP basis for the third quarter of 2008 increased 24.6% to \$9.9 million, as compared to \$7.9 million in the third quarter of 2007. For the first nine months of 2008, revenue increased by 63.0% to \$30.6 million, compared to \$18.8 million in the same period of 2007.

Gross Income on a GAAP basis for the third quarter of 2008 was \$8.2 million as compared to \$6.4 million in the same period in 2007. Gross margin in the third quarter was 82.7%, compared to 80.6% in Q3 2007. For the first nine months of 2008, gross income was \$24.9 million, compared to \$15.5 million in the same period of 2007. Gross margin for the nine months ended on September 30th, 2008 was 81.6% of revenues as compared to 82.9% of revenues in the same period of 2007.

Operating Income on a GAAP basis in the third quarter of 2008 was \$19 thousand, compared to operating income of \$450 thousand in the third quarter of 2007. In the first nine months of 2008, Cimatron had an operating loss of \$(126) thousand, compared to operating income of \$845 thousand in the first nine months of 2007.

Net Income on a GAAP basis for the quarter was \$111 thousand, or \$0.01 per diluted share, compared to net income of \$486 thousand, or \$0.06 per diluted share recorded in the same quarter of 2007. In the first nine months of 2008 net income was \$18 thousand, or \$0.0 per diluted share, compared to net income of \$958 thousand, or \$0.12 per diluted share, in the first nine months of 2007.

Non-GAAP:

Revenues on a non-GAAP basis for the third quarter of 2008 increased 27.8% to \$10.1 million, as compared to \$7.9 million in the third quarter of 2007. For the first nine months of 2008, revenue increased by 66.9% to \$31.3 million, compared to \$18.8 million in the same period of 2007.

Gross Income on a non-GAAP basis for the third quarter of 2008 was \$8.5 million as compared to \$6.4 million in the same period in 2007. Gross margin in the third quarter of 2008 was 84.5%, compared

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to 80.6% in Q3 2007. In the first nine months of 2008, gross income increased 68.0% to \$26.1 million, compared to \$15.5 million in the first nine months of 2007. Gross margin for the nine months ended on September 30th, 2008 was 83.4% of revenues as compared to 82.9% of revenues in the same period of 2007.

Operating Income on a non-GAAP basis in the third quarter of 2008 was \$514 thousand, as compared to operating income of \$487 thousand in the third quarter of 2007. In the first nine months of 2008, Cimatron reports operating income increase to \$1.36 million, compared to operating income of \$902 thousand in the first nine months of 2007.

Net Income on a non-GAAP basis in the third quarter of 2008 increased 23.5% to \$646 thousand or \$0.07 per diluted share, as compared to net income of \$523 thousand, or \$0.07 per diluted share in the third quarter of 2007. In the first nine months of 2008, net profit increased by 59.6% to \$1.6 million, or \$0.17 per diluted share, compared to a net profit of \$1.0 million, or \$0.13 per diluted share, in the first nine months of 2007.

Commenting on the results, Danny Haran, President and Chief Executive Officer of Cimatron, said, “We are pleased to present an increase in revenues and profits on a non-GAAP basis, following the merger transaction with Gibbs and Associates. Cimatron, being an active player in the automotive, consumer, and production markets, may very well be affected by a prolonged global economic slowdown. However, we believe that our strong balance sheet and cash reserves are important assets in the current worldwide financial turmoil. While exercising tight budget control, we continue to invest in both the CimatronE and GibbsCAM product lines. In particular, we accelerated the process of selling GibbsCAM for high-end multi-axis machines, a lucrative market segment believed to be more recession resilient than other segments of the manufacturing market. With over \$6M in cash, broad product offerings, and strong distribution channels, we believe that Cimatron is well positioned to meet the challenges and take advantage of the opportunities that lie ahead”, concluded Mr. Haran.

Conference Call

Cimatron's management will host a conference call on Tuesday, November 18th, at 9:00 EST, 16:00 Israel time. On the call, management will review and discuss the results, and will answer questions by investors.

To participate, please call one of the following teleconferencing numbers. Please begin placing your call at least 5 minutes before the conference call commences.

USA: +1-866-345-5855. Israel: +03-9180609. International: +972-3-9180609

For those unable to listen to the live call, a replay of the call will be available from the day after the call under the investor relations section of Cimatron's website, at: www.cimatron.com

Reconciliation between results on a GAAP and Non-GAAP basis is provided in a table immediately following the Consolidated Statements of Operation (Non-GAAP basis). Non-GAAP financial measures consist of GAAP financial measures adjusted to include recognition of deferred revenues of acquired companies and to exclude amortization of acquired intangible assets and deferred income tax, as well as certain business combination accounting entries. The purpose of such adjustments is to give an indication of our performance exclusive of non-GAAP charges and other items that are considered by management to be outside our core operating results. Our non-GAAP financial measures are not meant to be considered in isolation or as a substitute for comparable GAAP measures, and should be read in conjunction with our consolidated financial statements prepared in accordance with GAAP.

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Our management regularly uses our supplemental non-GAAP financial measures internally to understand, manage and evaluate our business and make operating decisions. We believe that these non-GAAP measures help investors to understand our current and future operating cash flow and performance, especially as our two most recent acquisitions have resulted in amortization and non-cash items that have had a material impact on our GAAP profits. These non-GAAP financial measures may differ materially from the non-GAAP financial measures used by other companies.

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Mentor Graphics Reports Fiscal Third Quarter Results

November 19, 2008

[Mentor Graphics Corporation](#) today announced revenues for fiscal third quarter ending October 31st, 2008 of \$184.9 million, a GAAP loss of \$.85 per share, and a non-GAAP loss of \$.04 per share. The GAAP loss is primarily driven by a \$.55 per share tax provision that is abnormally high as it includes recapture of tax benefits previously claimed in prior quarters as well as the continuing effect of tax expense in non-US jurisdictions.

“The current economic outlook has delayed the typical contract renewal pattern we had been seeing. Customers are now more typically waiting until the quarter of contract expiration to renew. One of the consequences of this pattern is that we see greater strength going into fiscal 2010,” said Walden C. Rhines, chairman and CEO of Mentor Graphics. “Even in this tougher environment, renewals in our top ten contracts in the quarter increased 35% over their previous contract value primarily due to adoption of new capabilities, like design for manufacturing, that were just emerging three years ago when the contracts were created.”

During the quarter, the company released a parallelized version of its Olympus-SOC™ place and route solution, significantly improving completion times for design closure, analysis and optimization. The company also introduced Calibre® equation-based design rule checking (DRC), allowing customers to embed complex design-for-manufacturing checks directly into their DRC runs.

“Cost control measures begun earlier in the year, as well as the weakening of the Euro and the strengthening of the Yen, have benefited the company,” said Gregory K. Hinckley, president of Mentor Graphics. “In addition to the \$26 million in cost reductions that we will deliver over the course of fiscal 2009, we see an additional \$30 million in expense savings that we can deliver in fiscal 2010. We continue to look carefully at all of our business investments in light of the current environment.”

GUIDANCE

For the fiscal fourth quarter ending January 31st, 2009, the company now expects revenues of about \$270 million, non-GAAP earnings per share of approximately \$.55, and GAAP earnings per share of about \$.65. GAAP earnings in the fiscal fourth quarter will be relatively stronger as a portion of the tax provision recorded in the fiscal third quarter is recaptured. For fiscal 2009 the company expects full year revenues of approximately \$815 million, non-GAAP earnings per share of about \$0.40 and a GAAP loss per share of approximately \$.65.

For fiscal first quarter 2010 ending April 30, 2009, the company initially expects revenues of \$200 to \$210 million, non-GAAP earnings per share between \$.05 and \$.10, and a GAAP loss per share between \$.01 and \$.06.

Discussion of Non-GAAP Financial Measures

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Mentor Graphics management evaluates and makes operating decisions using various performance measures. In addition to our GAAP results, we also consider adjusted gross margin, operating margin and net income (loss), which we refer to as non-GAAP gross margin, operating margin, and net income (loss), respectively. These non-GAAP measures are derived from the revenues of our product, maintenance, and services business operations and the costs directly related to the generation of those revenues, such as cost of revenue, research and development, sales and marketing, and general and administrative expenses, that management considers in evaluating our ongoing core operating performance. These non-GAAP measures exclude amortization of purchased and other identified intangible assets, in-process research and development, special charges, equity plan-related compensation expenses and charges, and gains which management does not consider reflective of our core operating business.

Purchased and other identified intangible assets consist primarily of purchased technology, backlog, trade names, customer relationships, and employment agreements. In-process research and development charges represent products in development that had not reached technological feasibility at the time of acquisition. Special charges primarily consist of post-acquisition rebalance costs including severance and benefits, excess facilities, and asset-related charges, and also include strategic reallocations or reductions of personnel resources. Equity plan-related compensation expenses represent the fair value of all share-based payments to employees, including grants of employee stock options, as required under Statement of Financial Accounting Standards No. 123 (revised 2004), "Share-Based Payment" (SFAS 123R). For purposes of comparability across other periods and against other companies in our industry, non-GAAP net income (loss) is adjusted by the amount of additional taxes or tax benefit that we would accrue using a normalized effective tax rate applied to the non-GAAP results.

During the nine months ended October 31, 2007, we excluded \$452 thousand of interest expense attributable to net retirement premiums and write-offs of debt issuance costs. The amounts were expensed in connection with the refinancing or repurchase of certain convertible debt. The amounts were excluded as management does not consider these transactions a part of its core operating performance. There were no debt repurchases during the nine months ended October 31, 2008.

During the nine months ended October 31, 2008, we excluded \$1,088 thousand of equity in losses of unconsolidated entities. The amounts represent our equity in the losses of a common stock investment accounted for under the equity method. The amounts were excluded as management does not consider these transactions a part of its core operating performance. We had no equity in unconsolidated entities during the nine months ended October 31, 2007.

In certain instances our GAAP results of operations may not be profitable when our corresponding non-GAAP results are profitable or vice versa. The number of shares on which our non-GAAP EPS is calculated may therefore differ from the GAAP presentation due to the anti-dilutive effect of stock options in a loss situation.

Non-GAAP gross margin, operating margin and net income (loss) are supplemental measures of our performance that are not required by, or presented in accordance with, GAAP. Moreover, they should not be considered as an alternative to any performance measure derived in accordance with GAAP, or as an alternative to cash flow from operating activities as a measure of our liquidity. We present non-GAAP gross margin, operating margin and net income (loss) because we consider them to be important supplemental measures of our operating performance and profitability trends, and because we believe they give investors useful information on period-to-period performance as evaluated by management.

Management excludes from our non-GAAP measures certain recurring items to facilitate its review of

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the comparability of our core operating performance on a period-to-period basis because such items are not related to our ongoing core operating performance as viewed by management. Management considers our core operating performance to be that which can be affected by our managers in any particular period through their management of the resources that affect our underlying revenue and profit generating operations during that period. Management uses this view of our operating performance for purposes of comparison with our business plan and individual operating budgets and allocation of resources. Additionally, when evaluating potential acquisitions, management excludes the items described above from its consideration of target performance and valuation. More specifically management adjusts for the excluded items for the following reasons:

Amortization charges for our purchased and other identified intangible assets are inconsistent in amount and frequency and are significantly impacted by the timing and magnitude of our acquisition transactions. We therefore consider our operating results without these charges when evaluating our core performance. Generally, the most significant impact to inter-period comparability of our net income (loss) is in the first twelve months following an acquisition.

Special charges are primarily severance related and are due to our reallocation or reduction of personnel resources driven by modifications of business strategy or business emphasis and by assimilation of acquired businesses. These costs are originated based on the particular facts and circumstances of business decisions and can vary in size. Special charges also include excess facility and asset-related restructuring charges. These charges are not specifically included in our annual operating plan and related budget due to the rapidly changing technology and competitive environment in our industry. We therefore exclude them when evaluating our managers' performance internally.

In-process research and development charges are largely disregarded as acquisition decisions are made, since they often result in charges that vary significantly in size and amount. Management excludes these charges when evaluating the impact of an acquisition transaction and our ongoing performance.

Management supplementally considers performance without the impact of equity plan-related compensation charges and believes this information is useful to investors to compare our performance to the performance of other companies in our industry who present non-GAAP results adjusted to exclude stock compensation expense. We view equity plan-related compensation as a key element of our employee retention and long-term incentives, not as an expense that should be an element of evaluating core operations in any given period. We therefore exclude these charges for purposes of evaluating our core performance.

Income tax expense (benefit) is adjusted by the amount of additional tax expense or benefit that we would accrue if we used non-GAAP results instead of GAAP results in the calculation of our tax liability, taking into consideration our long-term tax structure. We use a normalized effective tax rate of 17%, which reflects the weighted average tax rate applicable under the various tax jurisdictions in which we operate. This non-GAAP weighted average tax rate is subject to change over time for various reasons, including changes in the geographic business mix and changes in statutory tax rates. Our GAAP tax rate for the nine months ended October 31, 2008 is (29%), which considers tax expense on our international operations, notwithstanding a projected GAAP loss for the year. Our full fiscal year 2009 GAAP tax rate is projected to be (31%). The GAAP tax rate considers certain mandatory and other non-scalable tax costs which may adversely or beneficially affect our tax rate depending upon our level of profitability.

Non-GAAP net income (loss) also facilitates comparison with other companies in our industry, which use similar financial measures to supplement their GAAP results. However, non-GAAP net income

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(loss) has limitations as an analytical tool, and you should not consider this measure in isolation or as a substitute for analysis of our results as reported under GAAP. In the future we expect to continue to incur expenses similar to the non-GAAP adjustments described above, and exclusion of these items in our non-GAAP presentation should not be construed as an inference that these costs are unusual, infrequent or non-recurring. Some of the limitations in relying on non-GAAP net income (loss) are:

Amortization of purchased intangibles, though not directly affecting our current cash position, represents the loss in value as the technology in our industry evolves, is advanced or is replaced over time. The expense associated with this loss in value is not included in the non-GAAP net income (loss) presentation and therefore does not reflect the full economic effect of the ongoing cost of maintaining our current technological position in our competitive industry, which is addressed through our research and development program.

We regularly engage in acquisition and assimilation activities as part of our ongoing business, and therefore we will continue to experience special charges and in-process research and development charges on a regular basis. These costs also directly impact our available funds.

Our stock option and stock purchase plans are important components of our incentive compensation arrangements and will be reflected as expenses in our GAAP results for the foreseeable future under SFAS 123R.

Our income tax expense (benefit) will be ultimately based on our GAAP taxable income and actual tax rates in effect, which often differ significantly from the 17% rate assumed in our non-GAAP presentation.

Other companies, including other companies in our industry, may calculate non-GAAP net income (loss) differently than we do, limiting its usefulness as a comparative measure.

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Implementation Investments

AVEVA Exceeds USD3 Million in Contract Wins within Malaysia and Singapore

November 18, 2008

[AVEVA](#) has seen remarkable success in Malaysia and Singapore since the start of the company's financial year beginning April 2008. Four major contract wins for AVEVA solutions, valued at over USD3 million, came from a broad range of sectors including shipbuilding, offshore oil & gas and petrochemicals. Amongst these are [Malaysia Marine and Heavy Engineering](#) (MMHE), [Sime Darby Engineering](#) and [MTBE Malaysia](#).

Across the straits in Singapore, AVEVA signed a major contract with PACC Ship Design, a division of [PACC Ship Managers Pte Ltd](#), one of the region's biggest ship owner operators that is currently branching out into shipbuilding. AVEVA will supply PACC Ship Design's new yard with AVEVA Marine solutions.

Peter Finch, President, AVEVA Asia Pacific, said: "In addition to the continued success of our flagship solutions AVEVA PDMS and AVEVA Marine; AVEVA NET, our open lifecycle management solution, is being well received by the Plant and Marine industries in Malaysia and Singapore. AVEVA NET completes the AVEVA Plant and AVEVA Marine range of solutions to ensure our customers operate at

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the most productive and efficient manner possible to guarantee them the competitive edge needed to succeed."

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German Shipbuilder HDW Selects VISTAGY's FiberSIM® Software to Streamline Composites Engineering Process for Submarine Projects

November 19, 2008

[VISTAGY, Inc.](#), a leading global provider of specialized engineering software, today announced that Howaldtswerke-Deutsch Werft GmbH (HDW), a company of the ThyssenKrupp Marine Systems, has purchased FiberSIM® software to design and manufacture parts for submarines made of advanced composite materials. By moving from a manual to an automated solution with FiberSIM, HDW will be able to develop an initial design more quickly and understand the impact of design changes earlier in the process. HDW was particularly interested in the FiberSIM Laser Projection™ software because it enables engineers to reduce errors and shorten the layup time for composite parts by displaying ply outlines directly on the layup tool.

HDW chose FiberSIM because it wanted to improve the link between engineering tools, enhance the flexibility for creating documentation so engineers can access essential data faster and easier on the manufacturing floor, and streamline and improve the overall quality of the design-to-manufacture process.

"We're very pleased to be working with one of the world's leading shipbuilding companies on developing composite parts for submarines," said Scott Carlyle, vice president of worldwide sales for VISTAGY. "The use of composite materials in the marine industry is growing rapidly, so companies that have been engineering composites manually are now faced with the need to change the way they think about the entire process. We look forward to working closely with HDW and applying VISTAGY's extensive experience in composites engineering to build the next generation of submarines that take advantage of the benefits that composites can bring to the marine industry."

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RM Williams Chooses Just OnePlace

November 17, 2008

[Just OnePlace](#), a leading developer of web-based Product Lifecycle Management (PLM) and Workflow software solutions, is pleased to announce that R.M. Williams, an iconic Australian brand, expands the use of the OnePlace application to include product specification. After using the OnePlace workflow functionality for the past year, RM Williams is now using Just OnePlace's award-winning range/line-planning and document management PLM solution to produce their range book and to specify product for manufacture.

Critical to RM Williams was the ability to streamline and automate the production of their 'Range Book' or catalogue for a given season. Their Range Book, complete with all the details required for their buyers, is now being produced within the OnePlace application, improving efficiencies and streamlining business processes within R.M. Williams.

Peter Hayward, Project Manager at R.M. Williams said "Through the software solutions provided and

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managed by Just OnePlace, R.M. Williams has been able to significantly streamline the development progress tracking on new products. This new system has resulted in an efficient tracking process ensuring a product's lifecycle can be managed more effectively, with better precision and with less time spent on paperwork and process management. R.M. Williams has found the services of Just OnePlace extremely beneficial and have worked with Just OnePlace to ensure we now have the best possible systems in place for tracking and control of our rapidly expanding product range."

Winston Teperson, CEO of Just OnePlace stated "We are delighted to be working with R.M. Williams, by assisting them in improving efficiencies in their Product Development and Supply Chain Processes. We are proud to work with such a well-respected and Iconic Australian brand."

R.M. Williams is far and away the leading name in the Australian bush outfitting business. With sales of over \$50 million a year, the company's retail and concept store program has grown to more than 100 locations in Australia and New Zealand and overseas stores in London and New York. R.M. Williams boots have led many Australian and overseas aficionados to nominate the company as "the best boot-makers in the world".

Just OnePlace is a leading supplier of product lifecycle management (PLM) and workflow solutions specifically designed for use in the fast moving consumer goods industry.

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Rockwell Automation Introduces Virtual Design & Production Utility for Integration With PLM Software From Dassault Systèmes

November 19, 2008

Rockwell Automation today announced the availability of a virtual design and production utility that merges virtual simulation and automation for production. The new utility available within Rockwell Software RSLogix 5000 version 17 programming software provides seamless integration with DELMIA V5R19 PLM software from [Dassault Systèmes](#), allowing users to create a virtual design and production environment for concurrent development of mechanical, electrical and control systems.

Through the launch of this new utility, Rockwell Automation and Dassault Systèmes, a world leader in 3-D and product life-cycle management (PLM) solutions, are providing a solution that allows collaborative mechanical and control design with bidirectional synchronization. As a result, manufacturers can access immediate feedback on design changes, thus allowing the testing of various _what if_ scenarios in order to continuously optimize manufacturing operations.

"Our utility is the first on the market to make the virtual design and production environment a reality for manufacturers," said Rick Morse, business manager for Design and Simulation Software, Rockwell Automation. "This technology revolutionizes industries like automotive that are looking to simulation as a way to lower costs and decrease time to production of new models or model changes. Our new utility is a big step forward in helping them achieve this goal."

Both the RSLogix 5000 and DELMIA PLM software applications are complementary manufacturing engineering technologies, built around strong, object-oriented data models for representing devices and operations. RSLogix 5000 software contains a library of control logic templates and schematics that help controls engineers design and program controls routines to automate production systems. The DELMIA software creates a library of smart devices that allow the manufacturing or mechanical engineer to build a virtual production system, work cell or machine center using simulation technology. The utility brings

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these two functions together to provide bidirectional synchronization of engineering disciplines and object libraries. The end result for customers is faster commissioning with optimal production performance.

Another critical element of the solution is the ability for engineers at both the mechanical device and control level to synchronize designs in a flexible environment. This allows them to collaborate at any point during the design and development process to validate mechanical design concurrently with controls design, and reduce debug and testing during production ramp-up _ ultimately helping to accelerate time to production.

“Given the intense competition for market share and the absolute necessity to get products to market in time for consumer acceptance, companies are looking for any competitive edge that they can leverage including the optimization of their manufacturing processes,” said Dick Slansky, analyst, ARC Advisory Group, “Digital manufacturing tools, like the new utility from Rockwell Automation and Dassault Systèmes, have emerged at precisely the right time in a global manufacturing climate where accelerating time to market and implementing manufacturing process optimization will be critical to a company’s success.”

Finally, the RSLogix 5000 utility allows controls and manufacturing engineers to reuse their mechanical, electrical and controls designs and templates. This results in faster design and implementation of production systems and allows the incorporation of best practices and processes into each new production system.

Rockwell Automation and Dassault Systèmes signed a memorandum of understanding in December 2007 outlining their intent to develop a joint solution to create a virtual design and production environment. The companies plan to continue working together to develop additional solutions in the digital manufacturing space.

About Rockwell Automation

Rockwell Automation Inc. is a leading global provider of industrial automation power, control and information solutions that help manufacturers achieve a competitive advantage for their businesses. The company brings together leading global brands in industrial automation that includes Allen-Bradley controls and services, and Rockwell Software factory management software. Headquartered in Milwaukee, Wis., the company employs about 20,000 people serving customers in more than 80 countries.

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Savio Machine Tessili Relies on think3 to Implement the “Cosmos” Project

November 20, 2008

Savio Machine Tessili, a leader in the yarn finishing machine sector ranging from wool, cotton, linen and silk to synthetic fibres, adopted [think3](#)’s ThinkDesign to design its “Cosmos” two-for-one-twisting machine, specifically developed for the Chinese and Indian markets and other emerging countries.

Savio’s twisting machines are known for their strength and reliability but meet with difficulties in Eastern markets and, in general, wherever the amortization of the machine heavily affects transformation expenses. The competition in these markets offer price-competitive alternatives, although the quality of their end product is lower.

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With the “Cosmos” project, Savio decided to address the challenge of producing cheaper machines with superior technical features compared to competitors, to maintain its usual quality standards. The full line was designed in only 12 months and, for each machine, Chinese suppliers built prototypes with different variants.

ThinkDesign, think3’ design solution, enabled Savio to meet this deadline because it provided the ability to create a full 3D project both in-house and in external offices taking part in the activity. Starting from the beginning of the activities, it took 18 months to produce the new, high-quality twisting machine.

ThinkDesign is a design tool which is flexible, productive, easy to use, easy to learn and tailored to the needs of manufacturing industries. ThinkDesign is the designer's ideal partner for defining mechanical assemblies, breaking assemblies down into component lists, assessing the overall dimensions of components and assemblies, checking the feasibility of a shape sketched and drawn by the designer or drafted using a special function. The continuous communications between the styling, engineering and tooling departments ensure that project deadlines are met.

“A good share of this achievement is due to ThinkDesign”, said Roberto Badiali, Technical Director, Savio Macchine Tessili. The company relied on think3’s flexible solution to uniform the standard of the various company sites. “Think3 is the right partner to support us in our internationalization process” said Antonio Bortolussi, Head of IT Systems. “As far as the COSMOS project is concerned, ThinkDesign was a critical tool because it enabled us to meet the planned deadline, ensuring top flexibility and real time project sharing” concluded Ing. Badiali.

At the moment, Savio leverages 50 ThinkDesign and thinkPLM licenses. In addition, the company partnered with think3, Inc. to define technology development guidelines.

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Taira Promote Deploys Dassault Systèmes’s 3DVIA for Developing a New Online Visual Manual

November 20, 2008

[Dassault Systèmes](#) (DS), a world leader in 3D and Product Lifecycle Management (PLM) solutions, today announced that [Taira Promote Co., Ltd.](#) (Taira Promote), a leading Japanese company in technical documentation, has developed “i-manuals”: a new online interactive visual manual that incorporates 3D technology with Dassault Systèmes’ 3DVIA product line.

Taira Promote provides visual manuals and documents for technical maintenance, training, marketing and sales used by industrial and automobile manufacturers where accurate and highly comprehensive documentation are essential to effectively communicate highly complicated concepts. To develop a new offering designed for efficient learning effects, Taira Promote selected 3DVIA Virtools for its strong programming and simulation capabilities and for its tight integration to CATIA and other DS products that allows for seamless importation of 3D design data. With 3DVIA Virtools vast capabilities, Taira Promote has developed the next generation in technical manuals that offers users an in-depth technical manual database which precisely expresses the experiences and intentions of technical manual designers.

In addition, Taira Promote recently deployed 3DVIA Composer which offers complementary capability to 3DVIA Virtools, further improving its interactive online visual manuals. 3DVIA Composer enables Taira Promote to create interactive animations of complicated operation procedures by directly importing 3D CAD data, adding text explanations, and showing cross-sections and inner structures for

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analysis. 3DVIA Composer also synchronizes this produced content with the original design data, quickly and easily ensuring that documents reflect the latest design changes. Taira Promote delivers this interactive 3D documentation through the 3DVIA Composer Player, in an all-in-one self-executing file format.

“In the past, 3D CAD data could not be utilized in manual production. This forced data to be handled between numerous people during the production stage, leading to chances of error. For example, we have dedicated many hours in transcribing numbers accurately, and many manual designers have felt restricted in fully expressing their ideas to the users.” says Tomoyasu Taira, executive director of Taira Promote Co, Ltd. “3DVIA Virtools and 3DVIA Composer have solved most of those issues and have removed many limitations.”

“We are pleased that Taira Promote selected 3DVIA products,” says Nikos Calfacacos, general manager, Dassault Systèmes Japan. “The use of 3DVIA Virtools and 3DVIA Composer for developing innovative ‘i-manuals’ shows high potential of these solutions in technical document production. We are introducing the power of 3D with 3DVIA to all sizes of companies, supporting our customers’ drive to increase their competitiveness. Deployment of 3DVIA solutions was through the collaborative effort from DS and Otsuka Shokai, a DS Value Added Reseller in Japan.”

3DVIA is Dassault Systèmes' brand for lifelike 3D product experiences. 3DVIA Virtools offers a comprehensive interactive 3D development environment with deployment solutions tailored to business needs. 3DVIA Composer is a desktop content authoring system that revolutionizes the way enterprises of all sizes create, update, and distribute rich product documentation.

About Taira Promote

Taira Promote, founded in 1964, is a leading Japanese company in technical documentation for industrial and automotive fields; productions include training materials, presentation documents, and technical manuals. With the increasing advancement in technology, Taira Promote has focused upon “visualization” to communicate complicated large amounts of information to users. Taira Promote continues to contribute its efforts in the development of industries in Japan by pursuing in the advancement of technical manuals in order to meet with the evolution of technology. For more information, visit <http://www.tairapromote.co.jp/> (Japanese only)

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VirtualCAD and LEDAS Provide ROCOM with Parametric On-Line Parts Catalog

November 21, 2008

[VirtualCAD](#) and [LEDAS](#) have successfully delivered an on-line parametric Product Configurator to [Rocom Corporation](#), the world’s leading supplier of flexible shaft couplings to the motion control industry.

The on-line Product Configurator is based on the VirtualCAD Parametric CAD Server (PCS) technology, which can easily be configured for any part supplier web site. Interface design is separate and customized to match the typical selection steps, based on product line characteristics. Design and Engineering ‘rules’ are embedded into the template CAD files, which are connected to a MySQL database. This makes the addition or removal of parts a simple matter of data entry, but ensures the part design meets feasibility requirements, and all part numbers displayed are valid.

The Product Configurator for Rocom Corporation also provides customers with web access to 2D/3D

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CAD files in several different CAD file formats, including Parasolid, and a detailed PDF «Sales Drawing», for approximately 25,000 different part numbers.

The VirtualCAD PCS is particularly appropriate to part manufacturers with product lines that contain large sets of part numbers. These can be part families of 'standard' parts such as fasteners, or 'highly configurable' parts, such as hydraulic cylinders. However, Designers and Engineers often need CAD files of parts displayed in different 'design' positions. For example, a spring at a specific level of deflection, or a cylinder with the rod at an exact point in the stroke. This is easily accomplished with the PCS, providing superior customer design support. A strong sales advantage is also provided, because the manufacturer name, logo, and part number are 'engraved' on the CAD model. Following its extensive background in parametric technology, a team of experienced engineers from LEDAS created the detailed and 'intelligent' template CAD files, using the simple 2D drawings and non-proprietary dimensional data. LEDAS also designed and developed the database driven Product Configurator web interface. In the past, such information has typically required vast amounts of data to be published in paper catalogs for customers to decipher. The Rocom Product Configurator web-interface was implemented using the ActiveWidgets GRID, connected to a MySQL Database containing almost 1 million dimensions and mechanical properties. The GRID widget enables the interface to present a very small subset of part numbers, with only 4 clicks. The purpose is to provide data for final user selection and to send requests to the VirtualCAD PCS. During more than a year of collaboration, VirtualCAD and LEDAS engineers have implemented multiple 'Product Configurator' solutions comprising many product lines, for manufacturers, Designers and Engineers users all over the world.

About VirtualCAD:

VirtualCAD is a privately held corporation established in 1992. It provides Parametric CAD Server technology to easily add 2D/3D CAD files and 2D PDF Sales Drawings to web sites for Mechanical Component part manufacturers and suppliers. For more information visit www.VirtualCAD.com.

About Rocom Corporation:

Rocom Corporation strives to be the worlds leading supplier of flexible shaft couplings to the motion control industry. They are achieving this by continuing to supply their exclusive, proprietary, and patented flexible shaft couplings as well as improved alternatives to existing flexible shaft couplings by introducing creative cost saving manufacturing techniques and cutting edge materials. For more information visit www.RocomCorp.com.

About LEDAS

LEDAS Ltd. is an independent software development company founded in 1999; it is based in Novosibirsk Scientific Centre (Akademgorodok), Siberian Branch of the Russian Academy of Science. A leader in constraint-based technologies, LEDAS is a well-known provider of computational software components for PLM (Product Lifecycle Management) solutions: geometric constraint solvers for CAD/CAM/CAE, optimization engines for Project Management, Work Scheduling and Meeting Planning as well as interval technologies for Knowledge-Based Engineering and Collaborative Design. The company also provides services for PLM market: software development, consulting, reselling as well as education and training. More information about LEDAS is available at <http://www.ledas.com>.

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Product News

ALGOR V23 Offers Design and Analysis Upgrades for CAE Simulation

November 13, 2008

[ALGOR, Inc.](#), a leading provider of design, analysis and simulation software, announced that its latest, major finite element analysis (FEA) software release, ALGOR V23, significantly upgrades the computer-aided engineering (CAE) tools that ALGOR users worldwide rely on for design and analysis of their products.

New and improved modeling features include: "smart" bonded contact uses multi-point constraints to bond the surfaces of unmatched meshes, making hand-built models easier to tie together and CAD models easier to mesh; models created in ThinkDesign from think3, Inc. can be opened in ALGOR for fully associative analysis; a new utility generates vertices and beams to replace non-essential surfaces, thereby reducing model size and promoting faster analysis; additional material models (Ogden and Mooney-Rivlin hyperelastic and viscoelastic) for membrane elements expand nonlinear analysis capabilities for rubber materials; and, in fluid flow analysis, multiple prescribed velocities can be defined using separate load curves for increased control and flexibility.

Upgraded analysis features include: expanded implementation of the multifrontal massively parallel solver (MUMPS) for distributed memory systems on both Linux and Windows clusters, using both in-core and out-of-core memory for faster solution of linear and nonlinear stress and fluid flow models; and improved 2-D steady fluid flow analysis, now applying all the capabilities of the 3-D processor to 2-D models including faster solution for fluid flow with high Reynolds numbers and turbulence.

Enhanced features for results evaluation and presentation include: stress and strain results for midside nodes can now be displayed, providing additional data for examining model behavior; beam code checking for Mechanical Event Simulation (MES) to verify compliance with the industry-standard AISC ASD structural code; and improved report generation including the ability to save selected results directly to the report as a customizable appendix.

With these new and improved features of ALGOR V23, users are simulating engineering analyses of their product designs faster, easier and more thoroughly than ever before.

"V23's smart bonded contact allows adjacent parts of an assembly to be meshed using different mesh sizes," said Carlos A. Cugino, Aeronautical Engineer of Cugino Ingenieria in Buenos Aires, Argentina. "Thus, I can specify a finer mesh in an area of interest and a coarser mesh throughout the rest of the assembly, resulting in fewer overall elements. This will allow my analyses of aircraft components to solve faster."

"V23's expanded support for MUMPS-based distributed computing, now on both Linux and Windows clusters, demonstrates ALGOR's commitment to keeping pace with new developments in high-performance computing," said Alain Benchissou, Business Manager of CADLM in Gif/Yvette, France. "Another feature that I find useful is the ability to save selected results – such as moments or reaction forces – to a report and then customize the presentation of data. This allows me to highlight vital results in client reports."

Bob Williams, ALGOR Product Manager, said, "Our software development process is based on user requests. Therefore, ALGOR V23 provides another set of new and improved features that are designed to meet our customers' evolving simulation needs. ALGOR V23's increased capabilities for modeling,

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analysis and results evaluation and presentation are helping our users speed up time to market and make better, safer products at a lower cost."

Other highlights of ALGOR V23 include:

- Added support for Red Hat Enterprise Linux 5.2
- Added additional materials including fluid, MIL-STD metal, K-340 and composite materials
- Added capability for thermal contact in 2-D models
- Added capability to apply fans to surfaces in steady coupled fluid flow and thermal analyses
- Added capability to export reports to DOCXML format for viewing in Microsoft Word
- Improved support for Alibre Design, Autodesk Inventor, KeyCreator, Rhinoceros and SpaceClaim
- Improved support for industry-standard piping codes
- Improved capability for exporting results to NASTRAN
- And much more.

The new and improved features of V23 enhance and expand ALGOR's wide range of simulation capabilities including: static stress with linear and nonlinear material models; Mechanical Event Simulation (MES) for nonlinear, multi-body dynamics with large-scale motion, large deformation and large strain with body-to-body contact; linear dynamics; fatigue; CFD including steady-state and transient heat transfer, steady and unsteady fluid flow and mass transfer; electrostatics; full multiphysics; and piping. All analysis capabilities are available within FEMPRO®, ALGOR's easy-to-use single user interface.

To see a free learning session on the new ALGOR V23, view the "What's New Featuring V23" Webcast on the ALGOR web site – www.ALGOR.com. For more detailed information, visit the "Key Features of ALGOR V23" page.

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ANSYS Breaks 1 Billion Cell Barrier

November 17, 2008

[ANSYS, Inc.](#), a global innovator of simulation software and technologies designed to optimize product development processes, today announced the first commercial simulation of more than 1 billion computational cells using software from ANSYS—a significant milestone for the Company and the industry. An Italian research team headed by Ignazio Maria Viola, a member of the engineering group that worked with the Luna Rossa Challenge team for the 2007 America's Cup yacht racing competition, conducted the landmark simulation during August 2008 to investigate the aerodynamics of an America's Cup yacht. As the use of simulation becomes increasingly mission-critical in creating "winning" products—and at the same time reducing cost and cycle time—resolving this scale of problem becomes imperative in order to address the simulation of full systems or subsystems.

Computational cells are an essential element in the engineering simulation process. To perform a simulation, the surface area and/or volume of the geometry under consideration is broken down into hundreds of thousands, or millions, of smaller domains known as cells. Equations are solved to predict

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fluid flow or stress within each cell to produce an overall total simulation solution. The higher the cell count, the more detailed and comprehensive the simulation can be. Just 15 years ago, simulations of 60,000 cells were considered groundbreaking. More recently, simulations using hundreds of millions of cells have been performed by leaders in the industry. Exceeding 1 billion cells for a simulation has been the latest stretch goal for those pushing the envelope in engineering simulation.

"Aside from the technological feat of solving a problem so large, this is another milestone for ANSYS in providing engineering simulation tools that offer quality results and ease of use," said Jim Cashman, president and CEO of ANSYS, Inc. "Quality is sacrificed anytime an engineer is forced, due to technological limitations, to solve a part of a system, rather than a whole system. This achievement is yet another step toward the goal of simulating complex problems without adversely impacting results."

For the 1 billion cell simulation, engineers from two prominent Italian engineering organizations worked alongside Dr. Viola to perform the study. Raffaele Ponzini represented CILEA (the inter-university consortium for information and communication technologies, named Consorzio Interuniversitario Lombardo per L'Elaborazione Automatica), an organization that made available its supercomputer Lagrange, ranked among the most powerful in the world, to power the simulation. Giuseppe Passoni represented the Politecnico di Milano (Polytechnic of Milan), an institution internationally renowned for its expertise in fluid dynamics. In addition, the Regione Lombardia (regional government in Lombardy, Italy) provided finance for the project.

Simulation of an America's Cup racing yacht has the potential to include some of the most complex physics effects possible, with hydrodynamic and aerodynamic fluid flow and stiffness among the structural physics involved. The 1 billion cell-plus simulation case focused on the aerodynamic impact of wind on the America's Cup racing yacht sailing downwind, with a particular emphasis on the mainsail and an asymmetrical spinnaker. A reconstructed fluid dynamics geometry was used for the study based on work done using a wind tunnel at the Politecnico di Milano. The supercomputer used was CILEA's HP Cluster Platform 3000BL with Linux®, a system equipped with 208 HP ProLiant BL460c server blades and Intel® Xeon® 3.166 GHz quad-core central processing units (CPUs). Total peak performance of the system approached 22 teraflops (22 thousand billion floating point operations) per second; the system has recently been ranked number 135 on TOP500's list of supercomputers.

The huge analysis was completed in 170 hours, a little more than a week, achieved by the parallel processing performance of the software on the highly scaled computing resource. This time frame is considered commercially viable when the value of the complex problem solution is mission critical. The simulation results were compared to experimental wind tunnel testing data to benchmark the accuracy, with good agreement being found—confirming the capabilities of fluid dynamics software from ANSYS to operate well at even this most complex and demanding level of engineering simulation.

"Our research indicates that this is among the world's first applied engineering simulations using a single mesh of more than 1 billion cells performed with commercial software," said Dr. Viola. "Our dedicated and able team has brought together its expertise in various areas to help us achieve a truly significant moment in engineering. The possibilities for engineering simulation using high-performance computing are massive, and I'm sure we will see new groundbreaking design developments across industry by those following on from our work."

Such advances in computing power unlock the potential to dramatically increase engineering simulation capabilities. By partnering with key hardware vendors, ANSYS delivers on its commitment to engineered scalability and in providing customers with the best engineering simulation solutions available.

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"ANSYS has played a key role in achieving this milestone at the leading edge of what is possible today in our industry," said Cashman "The ANSYS vision challenges us to continually drive to improve our products, and to take our technology solutions to the next level to meet customer needs. Our software has been specifically engineered to scale from the desktop to the largest multi-processor supercomputers, and it's extremely fulfilling to see our efforts validated by this major milestone. Without question, the demand for larger, more-detailed simulations will continue to grow, and today's achievement shows that we are well-positioned to meet this need."

About CILEA Interuniversity Consortium

CILEA is a consortium of 10 universities in Lombardy, established in 1974. The Italian Ministry of Universities and Research also belongs to the Consortium. CILEA is among the most advanced supercomputing centers in Europe. According to its statute, CILEA has many different purposes. Among them, it promotes the use of the most advanced computing systems in scientific and technological research, both public and private. It provides high-performance computing systems for national research. It promotes technology transfer in the field of information and communication technology. It creates, maintains and manages information systems for the national education and research system. All CILEA's services are offered to universities, public agencies and private companies.

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CIMTEK's Enhanced Magellon Software Eases FDA Compliance

November 19, 2008

[CIMTEK](#), the market innovator's first choice for managing product quality, has announced an upgrade to its Magellon Quality Lifecycle Management (QLM) software—giving medical device-makers a streamlined way to rapidly deliver quality products and maintain compliance with the Food and Drug Administration's (FDA's) Title 21 Code of Federal Regulations (CFR) Part 11.

The solution brings together the data, analysis and processes required to bring high-quality products to market, quickly and efficiently. Magellon now includes electronic device history record data capture and storage to trace key product test, quality and manufacturing process records electronically, from design through manufacturing and post-sales support.

Magellon answers medical electronic manufacturers' 100 percent quality imperative: Ensure safe and efficient patient care while eliminating the potential for devastating product flaws or failures. Its browser-based interface fronts a powerful database engine that overcomes the challenging, highly fragmented approach to collecting, analyzing and storing data, often in a wide variety of formats. Providing real-time access to the manufacturing floor, the software remotely monitors quality, testing and production performance around the world.

"Manufacturers today are living under scrutiny from federal regulators and the public at-large, while their brand is measured on bringing innovative products to market," said Stan Smith, CEO of CIMTEK. "The new product introduction cycle can no longer be hindered by manually chasing down compliance information."

The FDA's 21 CFR Part 11 requires that electronic records and signatures be created, maintained and archived throughout medical product development cycles. Until now, collecting and organizing this information has been a resource-intensive, fragmented process for most medical manufacturers.

Magellon generates full audit trails proving that authorized users are involved in key development

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phases, test devices are operating correctly, manufacturing teams are adequately trained from design through market delivery, and the integrity of manufacturing operations remain constant. These capabilities also support the FDA Sentinel System which will enable the FDA to securely query multiple, existing data sources in remote locations, such as electronic health record systems and medical claims databases, for information about medical products.

The software is part of CIMTEK's award-winning quality lifecycle management (QLM) solutions, the only holistic set of test software, systems and services for electronics manufacturers. Dozens of leading medical, consumer, aerospace and automotive electronics manufacturers rely on CIMTEK's offerings as the foundation of their product development strategies—to strike the elusive balance of improving quality, decreasing production costs and accelerating time to market.

The solution is available via a hosted model on a subscription basis. Pricing is contingent on modules, locations and product volume. Additionally, test systems manufactured by CIMTEK are shipped with Magellon capabilities to provide quick implementations and rapid results. For more information, visit www.cimtek.com.

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Dassault Systèmes Announces New Release of Abaqus Unified FEA from SIMULIA

November 19, 2008

[Dassault Systèmes \(DS\)](#), a world leader in 3D and Product Lifecycle Management (PLM) solutions, today announced the availability of Abaqus 6.8 Extended Functionality (6.8-EF), its technology-leading finite element analysis (FEA) software suite from [SIMULIA](#).

Engineers, designers, researchers, and scientists use Abaqus to lower costs and reduce cycle times through the realistic simulation of all products, materials, and processes behaviors, including stress, impact, crush, fluid-structure interaction, and thermal dynamics.

Abaqus 6.8-EF includes new and improved capabilities in general contact, the modeling of spot welds, fasteners, and elastomeric foams, and computational performance. It is focused on delivering technology to solve specific engineering challenges across all industries including automotive, aerospace, electronics, energy, packaged goods, and medical devices.

"The latest release of Abaqus demonstrates SIMULIA's commitment to delivering innovative realistic simulation technology for our customers in a wide range of industries," stated Steve Crowley, director of product management, SIMULIA. "The new and enhanced features in Abaqus 6.8-EF, will enable our customers to deepen their understanding of product behavior and accelerate the development of innovative products."

Key enhancements in the new release include:

- The new general contact implementation in Abaqus/Standard offers a simplified and highly automated method for defining contact interactions. This capability is useful for a diverse range of industry applications—from automotive transmissions and brake assemblies, to medical devices and surgical equipment, to the behavior and manufacturing of packaged goods.
- New Abaqus/CAE modeling techniques for spot welds and fasteners allow users to create attachment points that follow a model edge or conform to a regular pattern, particularly useful for simulation of welded automotive and aerospace components.

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- A low-density foam model in Abaqus/Explicit enables automotive engineers to simulate energy-absorbing materials in crash applications. This capability allows users to model the low-density, highly compressible elastomeric foams that are widely used in automobile passive safety systems. This can also be used in the design of foams commonly used in packaging of hand-held and other electronic devices.
- A selective subcycling feature in Abaqus/Explicit helps engineers in defense and shipbuilding to evaluate the realistic behavior of the very large structures that are common to those industries. This feature improves model performance by enabling much larger mesh densities in areas undergoing large strains, such as in the analysis of ship structures or land vehicles subjected to impact.
- An enhanced SolidWorks Associative Interface provides geometry transfer and maintains the relationship between SolidWorks and Abaqus models. Updates include improved performance and robustness for large assemblies and support for SolidWorks 2009.

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EDS, an HP Company, Expands Manufacturing Consulting Capabilities with Integrated Manufacturing Operations Software Solution

November 20, 2008

EDS, an [HP](#) company, today announced the launch of an integrated manufacturing software solution that will enable manufacturers to compete more effectively and improve profitability.

This solution, based on Apriso's FlexNet® platform, is designed to support the integration and collaboration of a manufacturer's plant floor, warehouse and quality operations with its enterprise resource planning and product life cycle management systems.

Today more than ever, manufacturers are challenged with finding ways to remain competitive and more efficient to deal with market volatility, globalization, increased client demands and shrinking margins. At the same time, they need to be vigilant about cost management, bringing new items to market quickly and improving the customer experience across multiple channels. EDS brings strong manufacturing expertise along with proven experience in deploying enterprise applications to serve the operational requirements of global manufacturers and their supply chains.

"Manufacturers are under increasing pressure to streamline costs, improve product quality and exceed customer service expectations and responsiveness," said Darl Davidson, vice president and manufacturing industry leader at EDS, an HP company. "Leveraging Apriso's manufacturing operations management platform with EDS' large global services presence will enable us to enhance our manufacturing clients' agility while lowering their operating costs."

Together, EDS and Apriso are actively engaged with global manufacturers within the automotive, industrial, aerospace and defense, high-tech/medical device, and consumer goods industries to provide a globally integrated manufacturing enterprise that will design and implement next-generation operations execution platforms.

Behind the success of 75 percent of the top 100 manufacturing companies around the world is a global team of experienced personnel that EDS has dedicated to the manufacturing industry. EDS' industry insight and technical innovation in a broad range of manufacturing sectors provides manufacturing domain expertise and global organizational support.

About EDS

EDS, an HP company, is a leading global technology services provider, delivering business solutions to its customers. EDS founded the information technology outsourcing industry more than 46 years ago. Today, EDS delivers a broad portfolio of information technology, applications and business process outsourcing services to customers in the manufacturing, financial services, healthcare, communications, energy, transportation, and consumer and retail industries, and to governments around the world.

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EMC Sets New Standard for Enterprise Capture

November 19, 2008

[EMC Corporation](#), the world leader in information infrastructure solutions, today announced new releases of its EMC® Captiva® products that dramatically advance enterprise capture performance and scalability while simplifying ease of use, development and deployment in both centralized and distributed capture environments.

As the market's leading and most complete set of enterprise capture technologies, EMC Captiva InputAccel® 6 and EMC Captiva Dispatcher 6 provide customers with a new service-oriented architecture (SOA) to leverage capture as a service to increase the adoption of capture throughout the enterprise. As a result, organizations experience higher return on their investments (ROI) by reducing costs and risks, accelerating business processes and lowering total cost of ownership.

Even in organizations where many processes are handled electronically, many continue to struggle with the burden of paper--not only with the volume of paper but the variety of documents that support their critical business processes. Whether it's insurance claims, loan documents, new account applications, tax documents, HR records or financial invoices—paper continues to play a vital role in businesses and governments today.

"Without an effective enterprise capture solution, organizations struggle with the inefficiencies and expenses of processing paper, the lack of access to critical information, difficulties in managing risk and complying with regulations as well as the inability to deliver good customer service," said Whitney Tidmarsh, Vice President of Worldwide Marketing, Content Management and Archiving at EMC.

"Studies show that organizations spend upwards of \$20 in labor to file a single document and up to \$120 per document to search for them when misfiled. Multiplied by the number of paper documents in an average organization, and the costs are staggering."

"Historically, capture has been the first step in a business process, with the resulting images and data being captured and exported to an enterprise system for further processing. Integrating capture in the middle of a business process or accessing individual capture functionality from other systems has been difficult or expensive to implement," said Harvey Spencer, President of HSA, Inc., a leading analysis and consulting company specializing in document capture. "By providing Web services support in its latest Captiva products, IT organizations can establish capture as a true enterprise capability so that it can be easily integrated into other application systems and business processes and centrally managed."

InputAccel is a highly configurable intelligent capture solution that captures and identifies documents and automatically extracts and validates data from these documents before delivering it to line-of-business applications and content management systems. Key to InputAccel 6 is the ability to support enterprise IT requirements for integrating and deploying capture solutions. The new Web-based

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administration console provides IT with an improved experience for accessing, managing and controlling all capture systems from a central point, anywhere in the world. From the console, IT can manage a multi-server environment, perform remote administration, monitor the capture system and review problem batches as well as produce custom reports.

Other key features of InputAccel 6 include:

- New, highly configurable clients for transactional capture applications. New scan and index interfaces provide flexibility for administrators and users to customize these clients by role to meet usability requirements, enhancing the user experience and increasing productivity. A workspace layout lets users resize, move, add, and delete task panels. These high-volume scanning and indexing applications are Web-deployable and can be distributed across the entire enterprise, simplifying the installation and updating of client configurations.
- Improved performance, scalability, and high availability. Numerous enhancements to the capture server deliver improved performance and throughput by as much as 50 percent over previous versions of InputAccel. Advanced caching and multi-threading on the server effectively uses multiple processors resulting in significantly improved performance. InputAccel failover has been enhanced to include support for Microsoft Active/Active clustering.
- Simplified customization using SOA and .NET. A service-oriented architecture supports integration with other enterprise business applications and allows IT to leverage standards to make capture services available to enterprise applications. .NET client-side scripting provides a new development environment for customizing processes to direct document routing, perform database lookups, and field-level validations.

"With EMC Captiva InputAccel 6, capturing documents just got easier," said Pat Vachon, Director of Technical Operations at AMS Imaging. "Our administrators can easily customize the scan and index interfaces or allow individual users to resize, move, add and delete task panels via the new workspace layout. For our IT users, they can quickly develop and customize a capture process with the new client-side script and integrate with third-party applications using Web Services."

"Customers want to know that their capture systems are robust, scalable and can be rapidly deployed. EMC Captiva InputAccel continues to set the bar as a proven enterprise-class solution," said Brant Poore, President and CEO of Information Capture Solutions, an EMC Captiva channel partner. "Our customers will be able to take advantage of the improved throughput and responsiveness of capturing, classifying and extracting our customer's pertinent data. Enabling several the solution's modules to be Web-deployable will allow our customers to have a lower cost of ownership by being able to install and maintain their system from a central location."

Dispatcher 6 works with InputAccel 6 to enable intelligent document recognition by automatically identifying incoming documents as they're captured, routing them based on pre-defined business rules, and extracting business data from a wide variety of document formats. Building on its leading automated document classification and data extraction capabilities, Dispatcher 6 also offers the following enhancements:

- New check reading capability that automatically captures and extracts legal and courtesy amount data from U.S. and French checks
- Integrations with the latest advancements in InputAccel 6 including new reporting
- Updates to recognition for faster and more accurate document classification and data extraction

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Continued Tidmarsh, "Capture solutions can deliver quick and substantial ROI when deployed across the entire enterprise, and EMC is setting the new standard for enterprise capture. Our new solutions allow customers to accelerate the adoption of capture throughout the enterprise thereby maximizing the efficiency and service delivery across the organization."

Both products will be available at the end of November.

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Free Alibre Design Xpress V11 Now Available for Download

November 13, 2008

[Alibre, Inc.](#) today announced that Alibre Design Xpress TM V11 is now available for download. Alibre Design Xpress is the world's most popular free 3D mechanical CAD program and has been downloaded by more than 500,000 customers.

"Alibre is unrivaled as the best cost provider in the 3D parametric design market" says J. Paul Grayson, Alibre Chairman and CEO. "Design and manufacturing companies worldwide are struggling with a serious downturn in business conditions and are increasingly turning to Alibre because we offer robust, high performance, high quality parametric CAD/CAM and PDM solutions for less than 20% of the cost of products from companies such as Dassault Systèmes SolidWorks Corp and Autodesk."

Alibre Design Xpress V11 is based on and provides a subset of the rich functionality found in Alibre's commercial products, which include Alibre Design (\$999 SRP), Alibre Design Professional (\$1499 SRP), and Alibre Design Expert (\$1999 SRP). The commercial versions of Alibre Design were updated to the V11 code base in late September.

Alibre Design Xpress V11 effectively doubles performance and productivity with often-used assembly operations being as much as ten times faster. V11 also includes significant 2D drawing speed enhancements and feature improvements. In addition, the entire code base has been migrated to the .NET platform, resulting in easier installation, better graphics device driver support, and stability. Finally, all versions of Alibre Design including Xpress now include SolidWorks file compatibility enabling customers to directly read native SolidWorks files.

What is Alibre Design Xpress?

Alibre Design Xpress is a combination evaluation and learning tool. It is an ideal product for professionals evaluating CAD options as well as 3D newcomers learning or improving modeling skills. Alibre Design Xpress is licensed perpetually. During the first 30 days, it functions as a free upgrade to Alibre Design Professional so users can all the modeling capabilities of Alibre's mid-level commercial product. After 30 days, Xpress automatically reverts to the free, feature-limited version.

Availability and Pricing

Alibre Design Xpress is free and is available worldwide in 15 languages. To learn more or to download, please visit [here](#).

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Informative Graphics Announces Latest Release of Brava! with Improved CAD Features

November 18, 2008

CIMdata PLM Industry Summary

[Informative Graphics Corporation \(IGC\)](#), a leader in content visualization, collaboration and redaction technology announced today the release of Brava!® Desktop 2.2 and Brava Enterprise 6.1. This release is part of the newly updated Brava Suite of products, which includes the free Brava Reader, Brava Desktop and Brava Enterprise.

Brava Desktop is a simple, cost-effective viewer that runs on the Windows desktop or in Internet Explorer. It can view, print, markup and redact PDF, TIFF, Microsoft XPS and Office, CAD drawings and more. It can also publish files to PDF, TIFF, DWF or secure Content Sealed Format (CSF), which includes our unique Visual Rights® technology to control whether the file can be printed, copied or measured and allow users to set an expiration date for the rendition.

- This release offers a number of new and enhanced features, including:
- Ability to set a default scale including for scanned drawings
- Auto-detect paper space or model space scale
- Added/improved support for architectural and metric units
- Measurements automatically change when units are changed
- Option to convert DWG blocks to symbols/stamps (separate utility)
- Batch print option (separately priced)

Brava Desktop is available in several configurations starting at \$49/seat. SDK licensing is available for system Integrators and OEM and redistribution partners. For more information about Brava Desktop, visit www.bravaviewer.com.

Fifteen day trial downloads of the software are available at:

<http://www.bravaviewer.com/download.htm>.

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Introducing CADSTAR 11, Zuken's PCB design revolution

November 18 2008

The latest version of [Zuken](#)'s desktop PCB design solution CADSTAR 11 harmonizes the design process to deliver greater technology integration than ever before. Always responsive to user demands the Zuken development team has delivered a suite of time saving benefits to make CADSTAR 11 the most accessible design solution available. Even more importantly, CADSTAR 11 integrates Zuken's goal of future-proofing the design process by enabling technology integration with all the latest technologies like increased density through improved routing and 3D modelling.

With CADSTAR 11 Zuken, traditionally known for its responsive support of the PCB engineers, is taking an important new direction and offering a host of new functions of direct benefit to front end engineering development teams. Schematic engineers will find the support of high pin count devices a huge bonus as they strive to bring manufacture ready concepts to the PCB design teams, plus for electrical engineers E³.logic (as alternative front-end solution for CADSTAR PCB Design) as part of the E³.series will be of huge benefit in bringing cable design closer than ever to PCB integration.

The benefits CADSTAR 11 introduce are wide ranging and include new functionality relating to pin management, to support high-pin count devices; new library management wizards, to create Multi Gates

CIMdata PLM Industry Summary

and export Multi Gate Data for the creation of Part Edit Definition; expanded capabilities for the Place and Route Editor (P.R.Editor), to reduce the design cycle time; improved Design Editor, to reduce PCB manufacturer's waste costs; an enhanced library searcher facility, and improved manufacturing output, making CADSTAR not only easier to use, but by speeding up the design process and offering the design team "first-time-right" designs. For more details see full list of highlights in the editor's notes section below.

This latest version of CADSTAR features Zuken's new revolutionary intelligent auto routing solution, the Dragon Router that combines intelligence and a methodology-driven approach after analyzing your design guiding the user through the right-first-time creation of boards in shorter time frames. Based upon a Routing Strategy Environment (RSE), Dragon will provide an analysis of the board plus the best strategy, The Dragon Router is also available as an add-on from P.R.Editor XR2000 L4.

CADSTAR 11 Further information

In response to customer request and forecasted technological developments Zuken proudly introduces the new functionality and components of CADSTAR 11

Enhancing the engineering process:

- Supported Sheet Signal References for easy browsing through the hierarchical schematics;
- Hide pins in schematics when a symbol is connected;
- Highlight unconnected pins in schematics;
- Highlighting of not-fitted components (including attributes) and related connections up to the next junction point in Variant Manager

Preparation of high-pin count devices:

- Enhanced schematic symbol generation wizard to output multiple gates
- Multi Gate Data created by the new Symbol wizard can be exported to automate the creation of the Part Edit Definition.

Working with Design Editor has never been easier:

- Suppress unconnected inner-layer pads, including negative and positive (partial) planes. This important new feature can significantly reduce PCB Manufacturer's waste costs, more space will be available for the PCB designer to route with two connections between pads instead of one and allowing more copper to be poured on inner layers, which can help to improve EMC and Signal Integrity performance.

New functionalities for the place and route editor (PR Editor) to support new technology developments like HSpeed design:

- Improved control of skew constraints;
- Re-Route after moving a component;
- Additional Interactive placement tools;
- Merge of SI Verify with P.R.Editor 2000HS and 5000HS enables designers to run simulations directly from their HS speed design.

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Enhanced management of component and parts data

- Support of 'Slotted holes' in Library Management;

Enhanced Library Searcher:

- Introducing multiple filters;

Manufacturing output

- Supported Native and Intelligent PDF output

CADSTAR 11 is planned to be released in December 2008, with modules starting from \$/€1000

About CADSTAR

CADSTAR is Zuken's powerful PCB design solution allowing an intuitive workflow, guiding the designers easily through their design process. CADSTAR incorporates all the technologies necessary for a complete electronic development process in one environment.

From schematics, board- and FPGA-level system design, PCB layout, high-speed and signal integrity, analysis, 3D, creation of manufacturing output, complemented by complete data management capabilities and extensive internet-accessible libraries containing over 200,000 components.

Its price-performance, coupled with a scalable design environment, provides total flexibility to engineers of small- to mid-size EDA development teams.

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Latest Version of QAD Enterprise Applications—QAD 2008.1—Featured at QAD Explore EMEA

November 18, 2008

[QAD Inc.](#), a leading provider of enterprise software and services for global manufacturers, today announced the latest version of QAD Enterprise Applications—QAD 2008.1—at its European regional customer conference being held this week. QAD has convened customers and partners from Europe, the Middle East and Africa for QAD Explore EMEA, in Sorrento, Italy.

QAD is continuing on its path toward delivering "total enterprise capability" to help meet customers' ever-changing business requirements across all key levels, functions and geographies of their extended manufacturing organization with QAD 2008.1. The QAD 2008.1 features QAD Enterprise Financials, an enhanced derivative of its existing Financials suite, with specific enhancements to address the requirements of global manufacturers.

"This updated version of QAD Enterprise Applications, with its combination of user efficiency, application flexibility and functional sophistication has been designed to better meet the dynamic business needs and industry requirements of today's global manufacturers," said Pamela Lopker, president and founder of QAD. "QAD 2008.1 is the most extensive release of QAD software to date, and another step toward achieving our vision of The Perfect Lean Market for global manufacturing."

QAD's long history of focus on human engineering has resulted in redefining the user experience so that QAD 2008 meets the expectations of a new generation of application users. The extensive release, which provides improved capabilities in financial management, customer management, manufacturing/distribution, supply chain management, service and support, also feature the following improvements:

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- **Ease of Use**—QAD 2008.1 is easy to use, quick to implement, and intuitive for new users to learn. Flexible workflows and automation help make customers more proficient and faster than ever before.
- **Global Solution**—QAD 2008.1 provides a combination of software and services that can be implemented around the world.
- **Adaptability**—QAD 2008.1 meets the needs of companies of all sizes—from small or medium-sized companies to large multi-national corporations.
- **Governance, Risk and Compliance** —QAD 2008.1 makes it easier to be compliant with business and legal requirements by country and industry, including roles-based security that enables faster and more reliable reporting.

QAD 2008.1: Enhanced Functionality

QAD 2008.1 is designed to fully integrate global supply chains and streamline manufacturing operations, financials, customers, technology and business performances all in one enterprise suite.

Features and functions of QAD 2008.1 include:

- **QAD Enterprise Financials**—Provides the ability to manage and control businesses at a local, regional and global level with solutions that enable customers to more efficiently meet accounting, legal, financial reporting and other critical business requirements.
- **QAD Customer Management**—Provides improved responsiveness through collaboration and management of customers and demand.
- **QAD Manufacturing**—Enables companies to reduce costs and increase throughput using the latest manufacturing scheduling techniques, including the capability to fully support Lean adoption.
- **QAD Supply Chain**—Includes modules that help improve the management of supply and suppliers through real-time collaboration.
- **QAD Service and Support**—Provides the capability for after-sale service and support of products--manages warranty tracking, services calls and returns and repairs.
- **QAD Enterprise Asset Management**—Manages the life cycle of capital assets from planning to installation, supports preventive maintenance and repair, and manages parts inventory cost-effectively.
- **QAD Analytics**—Helps companies analyze data to measure business performance in key areas.
- **QAD Interoperability**—Allows database portability and operating system flexibility, and works with QAD QXtend integration layer to enable access to all elements of QAD Enterprise Applications.

Embracing a Service Oriented Architecture (SOA) platform, QAD 2008.1 is offered in three deployment methods: On Premise, a traditional license and delivery structure; On Demand, an application management services offering hosted by QAD; or On Appliance, with the software pre-loaded on a machine. Such deployment independence makes it easier to deploy and implement QAD 2008.1 across global supply chains; ensuring customers have complete communication and visibility into their overall business operations.

For more information about QAD Enterprise Applications , go to www.qad.com. For more information on Explore EMEA, visit www.qad.com/portal/site/exploreemea/

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Lattice Technology Announces Three Digital Manufacturing Software Packages

November 18, 2008

[Lattice Technology](#), developers of digital manufacturing applications using the XVL® format, today announced that it has released 3 packages of its XVL software targeted precisely at digital manufacturing functions.

The packages focus on streamlining the way engineers in manufacturing industries can perform digital mockup, process documentation and animation, create interactive 3D parts lists and convincing illustrations direct from 3D data without requiring anybody to move from their existing 3D CAD, ERP or PLM platform. The three packages combine existing XVL software tools and deliver immediate savings through discounts on package pricing over separate product list prices.

Users of the XVL solutions report productivity improvements such as a 60% decrease in lead time for product development, and more than a 90% reduction in modification rates on the design data. Access, sharing, simulation and animation of huge assemblies becomes easy with the highly accurate XVL lightweight format. And the creation of manufacturing documentation such as process instructions, assembly animations and illustrations for print and web are a simple part of the process.

The three new packages are:

Digital Mockup Package

Rapidly create very accurate digital mockups of product designs direct from your 3D data, while being able to validate, review, check, animate and simulate the assembly in XVL Studio. Benefit from automated reporting of interferences and clearances on Excel spreadsheets and automated disassembly/assembly functions for your design. Add in a 3D CAD Converter of your choice, and the first year maintenance covered, with the Lattice Technology Digital Mockup package. Best of all, receive up to 20% off list prices of the software solutions.

Process Documentation & 3D Parts List Package

The Lattice Technology Process Animation and Parts List bundle saves you time and money, while building productivity and efficiency into your process. This bundle delivers XVL Studio Standard, a plug-in XVL Converter of your choice, and Lattice3D Reporter. These tools bring streamlined functionality for engineers to rapidly animate and simulate moving 3D parts on a design, edit an assembly structure and automatically define steps for production. Transfer your 3D data and documentation into interactive 3D parts list in Excel spreadsheets and share interactive 3D BOMs with your team members, departments and suppliers. Receive up to 14% in discounted savings for the package deal.

Illustration Package

Save money and time by creating realistic, stunning 2D illustrations directly from your 3D data with Lattice Technology's Illustration bundle. The Illustration bundle delivers XVL Studio Basic, a choice of one plug-in converter and the Illustration upgrade for XVL Studio. This package allows you to seamlessly convert your 3D CAD data into XVL Studio and rapidly and efficiently create and save 2D illustrations in CSV, EPS and more. 10% savings available for package pricing.

“XVL digital manufacturing solutions can revolutionize the way you approach digital manufacturing,

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digital mockup, process documentation or digital assembly processes within your operation,” commented Bill Barnes, GM, Lattice Technology. “XVL supports all major 3D CAD formats and allows a manufacturer to continue to design, engineer and manufacture on their chosen platform. However, the addition of XVL into the process means that barriers to rapid, accurate digital mockup, simulation, design review and assembly are removed.”

Customers can benefit from as much as a 20% discount on Lattice Technology’s packages for illustration, process documentation & 3D Part lists, and digital mockup, simply by signing up for a demonstration.

To see more, visit [Lattice Technology’s web site](#).

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Manusoft unveils IMOLD V9 for SolidWorks

November 7, 2008

[Manusoft Technologies](#) today unveiled IMOLD V9, the latest version with new and exciting user driven enhancements of its leading Computer-aided Mold Design (CAMD) software, IMOLD.

IMOLD V9 aims to bridge the gaps between mold design and manufacturing through its new functions. With the new version release, Manusoft also introduces a new IMOLD product matrix to its current product package offering:

- IMOLD Standard
- IMOLD EDM
- IMOLD Professional [view the IMOLD Product Matrix](#)

IMOLD EDM automates the electrode design process as well as assisting the manufacturing of detailed and hard-to-machine features on molds and press tools. “With the increasing complexity and also miniaturization of the plastic parts, innovative mold manufacturing technologies like Electro-Discharge Machining (EDM) and micro-EDM have become more and more important.” said C.H. Chiang, MD Manusoft Technologies.

IMOLD V9 is not only [SolidWorks](#) 2009 ready but both 32 and 64 bit ready which, is yet another solid demonstration of Manusoft’s intent to ensure that it is ahead of competition. Beyond the label and specifications, IMOLD V9 is engineered to reduce design time of mold designers worldwide with its significant improvement in all round performance and help reduce carbon footprints by getting the molds right—before it is built.

Other significant enhancements in IMOLD V9 include such areas as 1-Click splitting, Hole Pocket color tagging/tolerance, and others. For full details on the new features and enhancements, please refer to What's New in IMOLD V9.

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Microsoft and DS SolidWorks Enhance Robot Simulation

November 18, 2008

Engineers now have a more accurate way to simulate robots in action before they’re put to work thanks

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to new software developed by [Microsoft](#) and [Dassault Systèmes](#) SolidWorks Corp. ([DS SolidWorks](#)). The new simulation capability helps companies program robots more quickly and effectively, a key advantage for robot manufacturers seeking improved efficiency.

Users of Microsoft® Robotics Developer Studio 2008 (Microsoft RDS) will be able directly incorporate 3D CAD models designed in SolidWorks® software into Microsoft's Visual Simulation Environment (Microsoft VSE) and simulate their operation more accurately. As a result, robotics developers can correct any robotic application issues early and maximize the robots' performance. The solution takes advantage of the fact that both applications support a common XML format, COLLADA, for rendering 3D objects and motion. A demo of the solution is available now at SolidWorks Labs, and the solution itself will be available for download from SolidWorks Labs the first week of December.

"We are excited about the results of our collaboration with DS Solidworks in support of the COLLADA format," said Tandy Trower, general manager at Microsoft. "This software integration means faster development of detailed physics-based simulation scenarios, a significant benefit for robot and automation developers, researchers, and even hobbyists."

A robot designer, for example, can download the free SolidWorks/Microsoft RDS integration software, export a SolidWorks robot design into Microsoft VSE, develop the robotic application, then simulate the robots' operation prior to deployment. The integration preserves dimensions, constraints, mass properties, motors, springs, colors, textures, and more from the SolidWorks model.

"The worlds of machine design, mechatronics, and robotics are converging, and this first-of-its-kind partnership is just one way we're supporting the convergence," said Fielder Hiss, director of product management at DS SolidWorks, a world leader in 3D solutions. "SolidWorks software has long enabled modeling, motion, and simulation, and customers are excited that we're extending these capabilities to robotics."



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Sescoi launches WorkNC 3X and Previews Another Major New Version of WorkNC at EuroMold

November 17, 2008

EuroMold will be the launch pad for WorkNC 3X, SESCOI's new entry level 3-axis CAM system and the venue for the first public preview of WorkNC G3 Version 20, a major new release of SESCOI's world-leading automatic CAM/CAD software, due out in Spring 2009.

Located in Hall 8 on Stand F22, SESCOI engineers will also be providing demonstrations of the company's WorkXPlore 3D high-speed 3D collaborative viewer, as well as Version 3 of its WorkPLAN Enterprise ERP and MyWorkPLAN job management solutions.

With the launch of WorkNC 3X, SESCOI is offering smaller toolrooms from a range of sectors a fast track to efficient programming and machining, at a very accessible price. WorkNC's main automatic 3-axis roughing, finishing and 2D machining routines are all included in the '3X' solution. As with all SESCOI software, ease of use is a key principle of WorkNC 3X, and the software, with its very short learning curve, will deliver a rapid return on investment.

WorkNC solutions will be demonstrated on the SESCOI stand as well as SESCOI partner stands – Ingersoll Werkzeuge GmbH Hall 9 Stand D29 and F. Zimmermann GmbH Hall 8 Stand K84. Visitors operating in sectors as diverse as medical, dental, aerospace, consumer electronics, energy and automotive, will discover that WorkNC offers a broad range of easy to use functions and solutions particularly suited to

their activity.

V20, the upcoming new version of WorkNC, brings users important new and improved capabilities: On some toolpaths, calculation times have been improved by up to 60% and major enhancements in finishing routines will add significantly to part quality.

WorkNC's unique Auto 5 module, which automatically converts 3-axis toolpaths into collision-free 5-axis toolpaths, has been completely revised for V20. Becoming up to 7.5 times faster, Auto 5 will transform user productivity and, with the ability to handle undercuts, its application range will greatly increase.

Live cutting on a DMG HSC 55 machine located on the Sescoi stand, will enable visitors to see a practical demonstration of WorkNC's 5-axis toolpaths in action.

For visitors looking for a best-fit, high performance 3D CAD collaboration tool, Sescoi's will be demonstrating and giving away free copies of WorkXPlore 3D, Sescoi's award-winning, high-speed collaborative viewer launched earlier this year.

Sescoi's ERP experts will be on hand at the Sescoi stand to demonstrate how Version 3 of WorkPLAN Enterprise ERP and MyWorkPLAN job management solutions brings new standards in cost control, reporting and analysis to custom manufacturers. Advanced integration and interface options enable the highest levels of efficiency as data can be shared with external applications such as accounting packages, CAD systems, popular office software, third party APS and ERP systems, and Sescoi's own WorkNC and WorkXPlore 3D solutions.

Amongst the many benefits achieved, companies who have installed a WorkPLAN solution have been able to track activity and costs in real time and avoid costly errors. This has a positive impact on costs and cash flow by ensuring that the products are delivered to time and to quality, while the costs and resources used are strictly controlled, making WorkPLAN solution user companies better positioned to weather the current worldwide economic slowdown.

companies looking for ways to reduce costs and transform productivity need look no further than the Sescoi stand at Euromold 2008.

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Synopsys to Address Library Data Size Explosion at 45-nm

November 19, 2008

[Synopsys, Inc.](#), a world leader in software and IP for semiconductor design and manufacturing, today announced the introduction of breakthrough Composite Current Source (CCS) base curve modeling technology that reduces digital cell library file size by up to 75 percent while improving application tool runtime and capacity. Starting at 65-nanometers (nm), and becoming critical at 45-nanometers, increased process variation and low power design flows, such as multi-voltage design, require more library corners as well as more complete and accurate power modeling views, causing library file size to increase ten-fold over the previous node. This is presenting a major storage, distribution and EDA tool efficiency challenge for the semiconductor industry.

"Current source modeling is an essential library requirement at 65-nanometers and below process technologies," said Noboru Yokota, general manager, Technology Development Division, Common IP & Technology Development Unit, Fujitsu Microelectronics Ltd. "However, the increase in the number

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of corners and the library file size can cause a major bottleneck in library deployment and EDA tool efficiency. The enhanced CCS with base curve modeling technology is designed to deliver the smallest, most efficient libraries while maintaining the high accuracy necessary at the latest process geometry nodes."

Base curve technology is an innovative new approach that takes advantage of similarities in timing and power current waveforms across various grid points as well as various cells in the libraries to minimize the amount of data stored without any impact on accuracy. Besides helping reduce library file size by a factor of four, base curve technology improves application tool capacity and allows signoff tools such as the PrimeTime® solution to run up to 60 percent faster. The enhanced CCS library format with base curve syntax has been approved by the Liberty™ Technical Advisory Board (TAB), a program of the IEEE Industry Standards and Technology Organization (IEEE-ISTO), and is available for immediate download at <http://www.opensourceliberty.org/>

"It's great to see the Liberty TAB members collaborating to address real world challenges facing the semiconductor industry at the latest 45-nanometer process technology node," said Peter Lefkin, chief operating officer of the IEEE-ISTO. "The fast pace of innovation in the Liberty library modeling standard will help the industry coalesce around a single standard to improve tool interoperability and speed design flows, offering tremendous benefits to the EDA user community."

About OpenSourceLiberty.org

Open Source Liberty is a comprehensive online resource for the Liberty library modeling standard. In addition to providing up-to-date Liberty format specifications and related tools for download, this site hosts the Liberty Discussion Forum, where members of the semiconductor community can interact with each other and discuss topics relating to Liberty and the Composite Current Source (CCS) modeling technology.

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TopSolid'Mold 2009

November 18, 200

[Missler Software](#) has just recently launched the 2009 version of its TopSolid CAD/CAM software range. TopSolid'Mold 2009 will be launched on the EuroMold trade fair in Frankfurt, Hall 8, Stand 56.

TopSolid'Mold is a dedicated mold design software offering complete CAM integration with TopSolid'Cam. (Including the standard design elements and machining processes involved in the mold making industry.) TopSolid'Mold enables calculation of the shrinkage factor, analysis of undercuts, calculation of the parting line and surface of the joint, automatic creation and definition of the core block and cavity, implementation of the standard carcass, systems of injection and ejection and analysis of the cooling system.

Here are 3 major improvements of TopSolid'Mold 2009:

- TopSolid'Mold in a collaborative environment - TopSolid'Mold 2009 allows the design of a mold in a collaborative environment. This means that it is now possible to enable several users to work on the design of the mold at the same time, thus reducing design times. This new function is essential for today's moldmakers who are increasingly obliged to design molds in shorter delays. The flexibility offered by TopSolid'Mold 2009 permits different organisation structures

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- Sub-assemblies are split between different users :
 - Divide injection / ejection / movements
 - Divide die base / core and cavity blocks / feeding system
 - Divide inserts + associated movements / core and cavity blocks / die base
 - Etc...
- Simultaneous mold design by the visualisation of an « assembly context » (which shows all elements of the mold design being worked on) in order to control the work of all users at the synchronisation stage. Thereby, different users can work on the one mold at the same time.
- « Distant » sharing: an on-demand synchronisation system between different work stations permits work to continue in an environment which may be temporarily unsynchronised. The user thereby works on an « image » of his study off site (while on a business trip, at the customer site, outside the design office ...) and synchronises his work with his team on his return.

A general assembly is available at all times if the study needs to be assembled which enables the control and visualisation of the work of each user. This is also necessary for draft and machining plans.

- Management of parting surfaces – The creation of parting lines is a very important stage in the design of a mold. TopSolid’Mold enables you to design the most complex parting surfaces with great ease thanks to the many improvements developed in this area every year. TopSolid’Mold 2009 offers intuitive design of parting surfaces as well as automatic management of changes made to the parting surfaces:
 - Mixed design: It is easier to mix the design of dedicated surface plans with “standard” parting surfaces offered in TopSolid’Design.
 - Multi-part parting surfaces: It is increasingly frequent to manage projects with multiple parts - TopSolid’Mold 2009 offers the necessary tools to manage this.
 - Rapid modification: As mold designers need to be very reactive to changing parts and designs TopSolid’Mold 2009 offers all the tools to effectively manage all changes to parting surfaces.
- Regulation management – TopSolid’Mold already offers many functions to easily manage cooling circuits. Here is a quick look at what’s new in TopSolid’Mold 2009 :
 - Simpler design: you can use different design methods, from the simplest to the most complex design of elaborate circuits on 3D contours.
 - More efficient control of components: TopSolid’Mold detects component dimensions to be used and guarantees their associativity during modification.
 - Optimal management: you design the different parts of your circuit independently which are subsequently assembled by a simple « drag-and-drop » operation. Numbering, designation, creation of the isometric view of your circuit are all done by a simple click.
 - Advanced collision control: You manage at all instants the feasibility of your circuit by avoiding collisions between the components of your mold and your cooling

circuits.

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TransMagic Expands Supported Formats with JT Translator—JT Available In/Out of CATIA, NX, Pro/E, SolidWorks, Teamcenter

November 18, 2008

[TransMagic, Inc.](#), a leading developer of precise 3D multi-CAD/CAM data exchange software, today announced JT format support and joining the JT Open Program. TransMagic products offer robust visualization of JT files and full “read” and “write” support for exchanging JT files between any 3D CAD/CAM/CAE applications.

TransMagic’s unique combination of features, CAD file translation, geometry repair, collaboration and visualization, alleviate most CAD incompatibility challenges facing the manufacturing industry.

“I needed to translate files from JT to IGES,” said David Watkins, an analyst at justFEA. “TransMagic and the JT translator zipped through 75 JT files in about 3 hours. The largest files only took 2-3 minutes to translate and the resulting IGES surface files processed accurately on VPG, an FE model builder.”

With TransMagic, JT files can be re-used for design, machining, analysis, simulation or any other 3D application. Using TransMagic to repurpose JT files can facilitate enterprise-wide collaboration throughout a product’s lifecycle.

“We’re happy to provide JT as an additional option for our customers,” said Todd Reade, President of TransMagic. “TransMagic continues to raise the bar by offering real solutions that enable companies to get their products to market faster.”

“TransMagic’s support for JT and its participation as a member of the JT Open Program further solidifies JT as the common 3D language of PLM and provides further evidence of Siemens PLM Software’s industry-leading open business model,” said Rich Ramsey, vice president of Partner and Component Marketing, Siemens PLM Software. “TransMagic and its products are a welcome addition to the continually growing suite of applications supporting the JT format.”

TransMagic data exchange software products dramatically reduce the costs of repurposing CAD designs in manufacturing applications. Visit <http://www.transmagic.com> for a free trial.

About JT and JT Open

JT is a 3D data format for enabling product visualization and information sharing between software applications. The JT Open Program is an initiative driven by global leaders that view PLM as a competitive advantage and have adopted the 3D JT data format as a standard.

About TransMagic

TransMagic, Inc. develops efficient, easy-to-use 3D CAD data exchange software to seamlessly repurpose engineering and manufacturing data in multi-CAD environments. Used for individual and company-wide translations and geometry repair, the software supports all major CAD systems and most other CAD/CAM/CAE applications for analysis, manufacturing and simulation. Supported formats include Autodesk (Inventor, Mechanical Desktop), Dassault Systèmes (CATIA, SolidWorks, ACIS), PTC Pro/Engineer and Siemens PLM Software (NX, NX I-deas, Solid Edge, JT, Parasolid) as well as IGES and STEP.

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An intuitive interface, rapid implementation, skilled support and quality software helps customers worldwide increase interoperability efficiency, production and profitability. TransMagic's clients include ABB, Chrysler, Boeing, NASA, General Motors, Honda, Northrop Grumman, Lockheed Martin, Caterpillar and Toyota.

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