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## Acquisitions

### ***Autodesk Announces Intent to Acquire Robobat***

November 15, 2007

Autodesk, Inc. today announced its intent to acquire Robobat, a privately held company based in Grenoble, France that specializes in analysis, design, and steel and concrete detailing software for the structural engineering industry for approximately \$42.5 million in USD cash subject to a working capital adjustment. The addition of Robobat technology to the Autodesk portfolio supports the company's vision for building information modeling (BIM) and will enable Autodesk to develop structural analysis and detailing solutions that leverage the information at the heart of BIM from design to fabrication.

"Over the past year Autodesk and Robobat have continued to work closely on product integration and to resolve the business issues that prevented Autodesk from completing the acquisition in 2006," said Jay Bhatt, senior vice president, Autodesk AEC Solutions. "We look forward to finally integrating these new solutions into our portfolio while continuing to invest in our relationships with other structural analysis partners around the world".

Autodesk will provide further details about the acquisition once the transaction has closed.

### **Business Outlook**

This transaction is expected to decrease targeted GAAP earnings per diluted share by \$0.01 in fiscal 2008 and \$0.01 in fiscal 2009. Excluding in-process R&D expenses and the amortization of acquisition-related intangibles, this transaction is expected to have no impact on targeted non-GAAP earnings per diluted share for fiscal 2008 or fiscal 2009.

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### ***EDS Agrees to Acquire Saber Corporation, a Leading Provider of U.S. State and Local Government Software and Solutions***

November 13, 2007

[EDS](#) announced it has agreed to purchase an approximate 93 percent equity interest in [Saber Holdings, Inc.](#), a leading provider of software and services to U.S. state governments, from various sellers, including majority shareholder [Accel-KKR](#), for approximately \$420 million in cash. Saber's Chief Executive Officer Nitin Khanna and President and Chief Operating Officer Karan Khanna will retain an approximate 7 percent interest in Saber and continue to lead the company following the closing.

Saber, founded in 1997, is one of the world's fastest-growing providers of software products and services that enable state and local governments to better serve citizens. The Portland, Oregon-based company, which has operations in 35 states, more than doubled its revenue each year since 2004.

Saber's current product line includes market-leading software and services that underpin essential, federally funded government functions such as voter registration, election management, public retirement programs, human services, public health services, motor vehicle registration and unemployment insurance.

"This transaction creates a growth opportunity for EDS as Saber brings complementary capabilities to

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EDS' already strong presence in the U.S. state and local government market, and is consistent with our strategy to move aggressively into higher-value application services," said Joe Eazor, EDS executive vice president, Corporate Strategy and Business Development.

"The combination of Saber's industry-leading applications portfolio, geographic breadth and deep understanding of government technology needs, together with EDS' global resources and demonstrated strengths in systems integration, will provide unmatched, end-to-end solutions for clients," continued Eazor.

"The transaction with Saber demonstrates EDS' commitment to the U.S. government sector and our strategy to provide mission-critical applications to the state and local government market," commented Dennis Stolkey, EDS vice president and general manager, U.S. Government. "Saber has an impressive track record of success in serving rapidly growing segments of the government market. They have a strong, dynamic management team along with a leverageable delivery model that fits well with EDS' strategic approach to serve the needs of state and local governments.

"EDS has collaborated with Saber on projects in the past, and we are well aware of the capabilities they bring to our partnership," said Stolkey. "We look forward to building on our already close relationship and the opportunity to help our government clients improve service to citizens, gain efficiencies in their work processes and reduce costs."

"At Saber, we cannot imagine having better clients than government organizations who themselves are committed to their citizens. As such, Saber has always been dedicated to providing government clients with customized software that enables them to serve their citizens quickly and efficiently. Augmenting this capability with products, services, assets and talent from EDS will allow Saber to provide clients with the comprehensive solutions that today's sophisticated citizen demands," said Nitin Khanna, chief executive officer of Saber.

"We are delighted with our new relationship with EDS as we believe it will enable us to take our already successful business to the next level while continuing to provide 'white glove' service to our clients," said Karan Khanna, president and chief operating officer of Saber.

The state and local government market for IT services is a highly attractive growth segment valued at approximately \$50 billion by research firm INPUT and is estimated to have a compound annual growth rate of nearly 8 percent, driven by modernization of legacy systems and strong demand in new market segments for software and service solutions. Last year, approximately \$3.3 billion, or 16 percent, of EDS' revenue came from U.S. Government clients.

The transaction, which is subject to termination of the Hart-Scott-Rodino antitrust waiting period, is expected to close before year-end. The acquisition is not expected to have a material impact on EDS' 2008 earnings, but is expected to be accretive to free cash flow in 2008.

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## Company News

### ***ANSYS Named to Forbes 200 Best Small Companies List***

November 13, 2007

[ANSYS, Inc.](#), a global innovator of simulation software and technologies designed to optimize product

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development processes, today announced that it has been included on the Forbes 200 Best Small Companies list, ranking 57th. This is the sixth time ANSYS has made the list over the past eight years.

The list comprises financially solid small-cap businesses based on return on sustained sales, net profit growth and equity over 12-month and five-year periods. ANSYS ranked 12th in market value on the 2007 Forbes list.

"It is a great privilege to be named to the Forbes 200 for the sixth year. This accomplishment reflects our company's achievement of strong and consistent growth and the validation of our Simulation Driven Product Development vision and strategy," said Jim Cashman, president and CEO at ANSYS, Inc. "Our ranking among other dynamic companies is a testament to our drive to deliver innovative technology that can be used throughout all phases of the product development process."

## About Forbes

Forbes is the nation's leading business magazine, with a North American circulation of more than 900,000. Forbes, Forbes Asia, and the company's eight local-language editions, together reach a worldwide audience of over five million readers. Since 1917, Forbes' mission has been to provide access to information and insights that ensure its readers' success.

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## ***Aspen Technology Appoints James Hintlian to Launch Pharmaceuticals Business Unit***

November 14, 2007

[Aspen Technology, Inc.](#), a leading provider of software and services to the process industries, today announced that it has named James (Jamie) Hintlian to launch a new business unit focused on the Pharmaceuticals industry. This move signals AspenTech's commitment to build on its emerging presence in Pharmaceuticals, and extend the company's core markets beyond Energy and Chemicals. Hintlian will report directly to AspenTech president and CEO Mark Fusco.

"More diverse types of process industries are realizing the benefits of aspenONE integrated process optimization solutions, and we see tremendous opportunities to expand our penetration into the pharmaceuticals market," said Mark Fusco, president and CEO, AspenTech. "With Jamie's breadth of experience, insight and passion for the industry, he will be extremely valuable as the leader of our Pharmaceuticals strategy. With this focus, we will also better align our resources and products to create stronger partnerships with our Pharmaceuticals customers."

Hintlian will be responsible for developing and executing AspenTech's pharmaceuticals business, product and go-to-market strategies, building on AspenTech's existing relationships with 13 of the world's top 15 Pharmaceutical companies. AspenTech solutions for leading pharmaceutical companies already include the following aspenONE deployments:

- Enabling a multibillion dollar pharmaceutical company to transform its process development operations across the development work flow, and into commercial manufacture.
- Providing a global bio-science manufacturer with the capability to efficiently schedule a highly complex U.S. manufacturing operation, driving plant utilization and customer delivery performance metrics.
- Delivering significant manufacturing performance improvements and cost reductions for one of the world's largest API (Active Pharmaceutical Ingredient) manufacturing operations.

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Hintlian joins AspenTech from Accenture, where for several years he was a senior partner leading the Global Health and Life Sciences Supply Chain Practice. In his career at Accenture, and previously at Data General, Hintlian led several innovation initiatives. At Accenture, he developed the first fully operational supply chain using RFID (radio frequency identification) to support drug pedigree and anti-counterfeiting programs, from manufacturer to retail pharmacy.

Hintlian is also a frequent speaker at industry association events—this week, in his first days at AspenTech, he was a special invited commentator at the AMR Research annual “Healthcare Exchange” conference. Hintlian is also a member of the editorial board for Supply Chain Management Review. He holds both an M.S. and a B.S. in Operations Research from Cornell University, where he also earned his MBA.

“I look forward to working with a strong AspenTech team as we bring new process optimization innovations to the Pharmaceuticals industry,” said Hintlian. “AspenTech’s ability to integrate core processes from drug discovery through supply chain execution is unique, and supports critical manufacturer programs aimed at improving R&D productivity, design for quality and cost effective manufacturing execution.”

Hintlian continued, “By harnessing the power of AspenTech’s unique process optimization software, pharmaceutical companies can focus on the management of value, as opposed to assets, throughout the product lifecycle. We will build on our successes by aligning AspenTech pharma solutions with emerging industry needs, in particular embracing the initiatives of QbD (Quality by Design), DfM (Design for Manufacture), and Operational & Process Excellence from lab floor to shop floor to top floor.”

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## ***Award winning! - ISO grants Lawrence D. Eicher Leadership Award***

November 15, 2007

On the occasion of the ISO (International Organization for Standardization) General Assembly in Geneva in September the subcommittee “Industrial Data” (SC4) was awarded with the Lawrence D. Eicher Leadership Award. Thus the SC4 was recognized for the introduction and advancement of the STEP standard developed for the exchange of product data. The ProSTEP iViP association which took active part in this development since its foundation in 1993 is very pleased and grateful for this award.

This recent recognition was not only awarded for the introduction of the application protocols AP214 (Core Data for Automotive Mechanical Design Processes) and AP212 (Electrical Design and Installation) which were defined for product data exchange as ISO Standard 10303-214 and ISO Standard 10303-212, but also for all activities ensuring their continuous advancement. „For all the experts involved this award is a great honour and at the same time a great motivation to continue the work at the same high level achieved so far,” commented Dr. Max Ungerer, who coordinates the international expert group working on the advancement of the application protocols AP214/AP212 within ProSTEP iViP. The proposals developed by this group are submitted directly to the corresponding working group at ISO according to the A-Liaison agreement between the ProSTEP iViP Association and ISO.

Industry leaders have appreciated this award as well. Prof. Dr. Vijay Srinivasan, PLM Chief Standards and Solutions Officer of the IBM Software Group stated: “Open standards such as STEP are nowadays indispensable for the integration of engineering- and business systems. That the ISO is recognizing the

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SC4 for its achievements just now is remarkable und richly deserved.“

With the Lawrence D. Eicher Award the ISO recognizes regularly achievements of excellence in the area of standardization. The prize is named after the former ISO secretary general Lawrence D. Eicher.

## **About the ProSTEP iViP Association**

The ProSTEP iViP Association is an international branch-specific community comprising leading companies in the automotive and aerospace industries, system vendors and research institutes. The aim of the ProSTEP iViP Association is to find solutions for the challenges facing the manufacturing industry as a result of networked collaboration in a worldwide development network.

A concept based on a coherent, cross-organizational and cross-domain view of data, processes and systems provides a solid foundation for meeting these challenges. The Association's five main areas of focus reflect this approach: process management, system integration, product data standardization, engineering collaboration and knowledge transfer.

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## ***Dassault Systèmes Helps Indian Innovators Build 'Future India'***

November 15, 2007

[Dassault Systèmes](#) (DS), a world leader in 3D and Product Lifecycle Management (PLM) solutions, today announced at India's first-ever PLM Executive Summit in Mumbai that it has official entered India as a legal entity- Dassault Systèmes, India. This follows a growing wave of Indian businesses, like Apollo Tyres, Tata Motors, Ashok Leyland, Infosys, Satyam and others, who have begun adapting DS's solutions to produce more innovative products and construct 'Future India'.

“Dassault Systèmes is honored to work with local customers and partners that are carving the future for India, finding solutions to current and future business challenges. DS brings over 26 years experience in 3D and PLM to the table and wants to share this know-how to the benefit of India's businesses,” says Bernard Charlès, president and CEO, Dassault Systèmes.

With India's recent macro-economic growth, it has seen a wide array of industries embrace innovations to develop their ability to compete globally. By opening business in India, DS is well poised to directly accompany local businesses to future innovations. Key areas linked to this include topics like Process and Social Innovation across the value chain with emphasis on innovation execution and implementation.

Executive summit participants include eminent industry people such as Mr. B.V.R.Subbu, Chairman, NMC Automotive Infrastructure, Ex-President, Hyundai India, and Mr. A.M.Naik, Chairman & CEO Larsen & Turbo Limited.

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## ***EdgeCAM, Sandvik and Mazak to Present on Competitiveness***

Novemer15, 2007

Leading technology suppliers to the metal cutting industry, [EdgeCAM](#), Sandvik Coromant and Mazak are joining forces on a tour of European cities where they will discuss competitiveness through manufacturing investment.

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Representatives from the three companies will argue that to remain competitive the most important factor is to invest in the right manufacturing philosophy, systems and equipment. With an increasing number of European companies operating in both high and low labour cost economies, the need to select and successfully implement appropriate manufacturing systems across the whole business is vital. Simply chasing low wages is not enough. Labour costs are only one element in a complex equation that defines sustained competitiveness.

Examples will be given to demonstrate how making strategic decisions about manufacturing philosophy, systems and equipment has enabled businesses to be competitive globally irrespective of plant location.

“We are delighted to partner Sandvik Coromant and Mazak on this tour,” comments Simon Lee, international sales director for EdgeCAM. “Each of has first hand experience of witnessing customer successes through effective implementation of the latest technologies. One objective of these presentations is to share this knowledge with manufacturing companies that are considering technology investment right now. The pressure for continuous improvement will never go away and the emergence of China and India is now creating a debate about future competitiveness throughout the whole of Europe.”

The EdgeCAM, Sandvik Coromant, Mazak European tour will take place during November and December in Poland, Italy, Hungary, Czech Republic, Slovak Republic, Spain and Sweden.

## About EdgeCAM

EdgeCAM, a market leading computer aided manufacturing (CAM) system for NC part programming, offers a complete solution for milling, turning and mill/turn programming with unparalleled ease of use and sophisticated toolpath generation. EdgeCAM is a principal brand of the [Planit group](#) – recently ranked by CIMdata as the world’s fastest growing CAM vendor, with most industrial users. For further information visit at <http://www.edgcam.com/>

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## ***Global Intelligence Alliance Launches New White Paper on Market Intelligence for Innovation and Product Life Cycle Management***

November 16, 2007

[Global Intelligence Alliance](#), a global leader in customized Market Intelligence services and solutions, launches its newest thought-leading GIA White Paper on "Market Intelligence for Innovation and Product Life Cycle Management". The publication continues on the theme of linking Market Intelligence with business processes. During 2007, GIA White Papers have been published on MI for Strategic planning, MI for Customer Processes, and now MI for Innovation and Product Life Cycle Management.

In the White Paper, the product life cycle process has been used as the core framework within which the utilization of MI for innovation and product development has been explored. A structured five-phase approach has been proposed in the form of a stop/go decision model in which a number of decision points are defined as tollgates. The paper also presents a comprehensive intelligence system for the entire innovation and product life-cycle process.

Linking Market Intelligence with business processes is key in ensuring a good return on investment in the often very intangible MI activities. What determines the value of the MI operation is how the MI output is being utilized when analyzing long term strategic goals and opportunities, assessing customers

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and competition, or monitoring developments on the technical front.

White Paper Release Webinar on November 13 at 9.30-10.00 AM Eastern Standard Time

The White Paper will be released to the public in a webinar where the frameworks and ideas will be discussed, along with presenting a brief case study on how Shell Global Solutions utilizes MI in their innovation management. After the webinar, the White Paper and the webinar presentation will be available for free downloading at <http://www.globalintelligence.com/>.

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## ***Planview Announces Rob Reesor as Vice President of Product Development***

November 14, 2007

[Planview®](#), the leading independent provider of enterprise-wide portfolio management solutions, today announced the hire of Rob Reesor as vice president of product development. Reesor brings over 20 years of experience in software development to Planview and will be responsible for managing and growing the development team while delivering on the company's product roadmap.

“For almost two decades Planview has set the bar with its portfolio management solutions, and is a solid company with a stellar reputation,” said Rob Reesor. “I look forward to working with the highly talented team at Planview to continue developing industry-leading enterprise software solutions that are helping organizations realize true business benefits.”

Reesor joins Planview from Austin Logistics, where he served as vice president of engineering, overseeing software development, quality assurance, documentation, IT and customer support. Prior to Austin Logistics, Reesor served as director of product development for Hire.com, where he managed the majority of the company's product line.

Reesor possesses extensive experience in all phases of the product lifecycle, including programming, product management, quality assurance and project management. Reesor's experience also includes several management-level engineering positions with TIBCO, IntelliCorp and Virtual Vineyards.

“Rob Reesor is a strong addition to the Planview executive team, and will play a significant role in defining and developing Planview products,” said Pat Durbin, founder and CEO of Planview. “With its roots in the Austin community for more than 18 years, Planview continues to attract the brightest professionals seeking successful and rewarding roles with a long-standing industry leader.”

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## ***SAP and CSC Form Alliance to Offer Banks Pricing Optimization Technology***

November 14, 2007

Continuing its focus on providing banks the flexibility they need to integrate, migrate and update application functionality based on an integrated platform, [SAP AG](#) today announced an alliance with Computer Sciences Corporation. The alliance will address the growing need for banks to differentiate themselves through strategically optimized product pricing. The collaboration between the two industry leaders will bring together the SAP® Price Optimization application with CSC's Hogan Core Banking System, simplifying CSC clients' access to sophisticated pricing options. The announcement was made at the BAI Retail Delivery Conference and Expo, taking place in Las Vegas, Nevada, November 13-15.

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The overall collaboration will complement CSC's Hogan Core Banking System, which is high-performance banking software, with the strength of technology and banking applications from SAP to help banks improve their productivity, manage change and optimize their core processes quickly. The goal of the alliance is to provide banks the flexibility they need to integrate, migrate and update application functionality based on strategies to consolidate and streamline platforms. The joint offering will focus on providing a tool suite that can predict optimized pricing scenarios across banks' product portfolios. SAP and CSC have focused on pricing to help banks find better ways to generate new revenues and increase product sales through improved strategic and operational impact analysis of loan and deposit data. In today's environment, pricing is critical to banks' success, and the traditional pricing models are not sophisticated enough to shift rapidly with frequent market changes.

The SAP Price Optimization application goes beyond traditional pricing offerings. It focuses on critical components of banks' strategy, such as risk management, asset and liability management, customer relationship management (CRM), sales management and profitability to measure the impact of these dynamic factors simultaneously and flexibly. The application takes pricing factors into consideration and statistically determines the price elasticity of a product. It considers pricing factors such as demand modeling, seasonality, customer behavior, current market rate and competitive analysis. The end result is a set of product rates for the various sales regions. These optimized rates align with banks' go-to-market strategies and scientifically support their desire to increase profits, volume or profitable volume.

"Interfacing CSC's Hogan Core Banking System with the SAP Price Optimization application gives a large percentage of the world's top-tier banks easy access to tools to improve their agility and reduce customer attrition with attractive retail banking market pricing," said Jim Cook, president of CSC's Financial Services Sector. "This is another example of CSC's continuous innovation to help our clients generate new revenues from their financial product portfolios."

"In a fragmented market, this alliance will offer pre-integrated components that minimize implementation time and cost," said Thomas Balgheim, head of global banking line of business, SAP AG. "Banks have worked hard to reduce costs and increase revenues, and yet they still struggle to differentiate themselves. Price optimization technology revolutionizes how banks price products in the market and ensures that no money is left on the table in customer sales opportunities."

The alliance with CSC marks yet another collaborative effort within the last seven months that SAP has made with leading banking providers, including Misys and Callatay & Wouters (see September 18, 2007 press release titled, "SAP and Misys Partner to Deliver Integrated Solutions for the Global Banking Industry" and September 11, 2007 press release titled, "SAP and Callatay & Wouters Collaborate to Provide Integrated Banking Solution"). The goal of the alliances is to enable a business process platform for the banking industry, based on an integrated platform to orchestrate industry-specific, reusable enterprise services and business process elements.

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## ***SAP and Partners to Co-innovate for the Insurance Industry***

November 13, 2007

Continuing to deliver on the commitment to promote ecosystem-based innovation and collaboration, [SAP AG](#) announced that the industry value network (IVN) for insurance will join 13 existing industry-focused IVNs hosted by SAP. The IVN for insurance will bring together independent software vendors, system integrators and SAP to co-innovate with insurers to help them improve profits, customer

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relationships and their competitive position through effective applications and a flexible IT environment. Members of the IVN for insurance will initially focus on issues facing property and casualty insurers in the North American market, in the areas of claims, customer service, sales and distribution, and underwriting and policy processing. The announcement was made at the SAP Americas Insurance Forum 2007, an event providing insurance industry executives with unique networking and educational opportunities, being held in Miami, Florida, November 12-14.

The launch of the IVN for insurance will further demonstrate SAP's dedication to drive and collaborate with industry leaders to provide value through the development of standardized industry services and solutions. Members of the IVN for insurance will address the growing need insurers have expressed to improve efficiencies across their organizations.

Plans for the industry value network for insurance currently include key innovative partners in the insurance industry: Adobe, CGI, IBM, MSG, Opentext, Planetsoft and Skywire. The partners and SAP will initially collaborate to bring together industry expertise, knowledge and capabilities in a multi-vendor ecosystem to address the high-value business needs of customers. Customers will be invited to participate in the second phase of the IVN.

"We are excited about participating in the industry value network for insurance," said Chip Greenlee, director, Financial Services, Adobe. "Adobe and SAP have a strong technology partnership and have integrated ACORD forms based on Adobe PDF technology in SAP solutions for insurance policy and claims management."

"Increased competition and heightened customer demands are putting additional pressure on insurers," said Peter Dunning, executive vice president, Strategic Industries, SAP. "The insurers that will thrive are those that are nimble enough to respond to speed of change. The IVN for insurance is another co-innovative step from SAP and its partners to address such challenges faced by insurers and help them move into an environment where they can future-proof their operations."

Industry value networks bring together SAP, partners and industry leaders to solve the most pressing business challenges through the creation and continual improvement of end-to-end business processes. Insurance will join a growing list of IVNs, including: aerospace and defense, automotive, banking, chemicals, consumer products, forest and paper, high tech, mining, oil and gas, public sector, retail, travel and logistics services, and utilities. For more information on IVNs, please visit <http://www.sap.com/platform/ecosystem/ivn/>

## **About SAP® for Insurance**

SAP® for Insurance is an industry-tailored solution set designed to help insurance companies control costs and seize new opportunities while strengthening customer loyalty with applications that can be implemented in stages according to the company's strategic business goals, priorities and available resources. Serving approximately 600 customers in 57 countries, SAP for Insurance seamlessly links core insurance processes with customer-facing functions and back-office operations-from first customer contact through policy and product management, collections, disbursement, and claims management. (Additional information at <http://www.sap.com/insurance/>)

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***WorkNC G3 and WorkPLAN Enterprise deliver efficiency and profitability to EuroMold visitors***

November 14, 2007

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[Sescoi](#) will be exhibiting WorkNC G3 CAM/CAD software and providing an avant première of the company's new ERP package, WorkPLAN Enterprise, at EuroMold in Frankfurt from 5th to 8th December 2007, on booth F22 in Hall 8.

To enable visitors to fully understand the benefits of WorkNC G3, SESCOI will also have a Deckel Maho DMC 75V linear on its stand. This 5-axis machine, capable of 2g acceleration, will show off WorkNC G3's fluid toolpaths which include specialised 5-axis routines, as well as new algorithms for smooth movement for both roughing and finishing operations. WorkNC G3 features an all new integrated ergonomic interface. By combining design, analysis, verification, toolpath creation and editing into one interactive environment, SESCOI has simplified and significantly speeded up part manipulation and CNC programming.

WorkNC will also be present on a number of partner stands including DMG, Hermle, Ingersoll and Zimmermann, and SESCOI will be delivering a presentation on innovative machining using short tools as part of the EuroMold seminar programme.

WorkPLAN Enterprise has been designed for mold and die makers, prototype and model manufacturers and the general mechanical industry, using SESCOI's 20 years of experience in these sectors. It is a complete ERP system which meets the particular requirements of custom manufacture while being easy to use and install. Using a MySQL® engine ensures that the software is open, allowing it to link to popular Microsoft® Office, CAD and accounting packages to capture existing knowledge and skills. System operation is fast and it is able to collect live information from the shop floor and present reports and allow 'what if' options, managing quotations, sales, schedules, purchasing and stock levels through one 'Easy View' interface.

A state of the art successor to SESCOI's successful WorkPLAN system, it also provides an upgrade path for MyWorkPLAN job management system users, allowing them to grow their management systems in line with the increasing sophistication of their operations.

Improving management techniques and control with WorkPLAN Enterprise can have a major impact on profitability and efficiency with minimum disruption, making it a valuable tool for success in a competitive environment.

To make a visit to SESCOI's booth F22 in Hall 8 even more profitable, SESCOI will have its famous Cheerleaders on hand to give visitors the traditional warm welcome.

Read online: <http://www.sescoi.com/index.php?id=pr&pr=sescoiateuromold&L=2>

## **About SESCOI**

For 20 years, SESCOI has been developing software solutions renowned for their quality, reliability, ease of use, and automatic features, as well as for world-class technical support and service.

SESCOI has established sales and support offices across the United States, Europe and Asia in order to serve thousands of local and international customers from a range of industries.

SESCOI's software solutions include:

- WorkNC, an automatic CAM/CAD solution for 2 thru to 5-axis milling, featuring the award-winning 'Auto 5' module which automatically converts 3-axis toolpaths into simultaneous 5-axis toolpaths
- WorkNC-CAD, a uniform CAD solution for the entire manufacturing process
- WorkPLAN, an integrated management solution for custom manufacturers that brings together

# CIMdata PLM Industry Summary

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company-wide data and resources enhancing knowledge, responsiveness and efficiency across the company.

- MyWorkPLAN, a cost effective and easy to implement job management system for small and medium sized custom manufacturers that controls quotations, time and resources, capacity and delivery dates to optimize performance and profitability.

With many years' business, engineering and software development experience, SESCOI understands customers' requirements, helps them master the challenges of new software implementation and build their business long-term.

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## Events News

### ***Curtain Raises on Oracle® OpenWorld San Francisco 2007***

12 November 2007

• Oracle today welcomed more than 42,000 attendees to Oracle® OpenWorld San Francisco, Oracle's global business and technology conference that runs from Sunday, November 11 through Thursday, November 15 at Moscone Center.

• This year's conference will feature:

- 1,600-plus educational sessions;
- 450-plus partner exhibits including the Intel-sponsored Inside Innovation; and,
- 350-plus live Oracle product demos in the Oracle DEMOgrounds.

• Keynote addresses featuring industry leaders from AMD, Dell, HP, Intel, Sun and Oracle. •

Customers and partners will have access to a wide range of specialized programming including Oracle's Agile PLM Program, Oracle's JD Edwards Program, Oracle Develop, Oracle's Hyperion Program, and the Oracle PartnerNetwork Forum.

Oracle OpenWorld will offer a wide array of activities and sessions to enable partners to better build, market and sell Oracle-based solutions and services.

For the tenth consecutive year, Oracle is hosting Oracle OpenWorld at its hometown venue--Moscone Center. This year's event will encompass all of Moscone's facilities (North, South, West, Yerba Buena Center for the Performing Arts) in addition to the conference facilities of five hotels.

#### Supporting Resources

Oracle OpenWorld

<http://www.oracle.com/openworld>

Oracle OpenWorld Agenda

<http://www.oracle.com/openworld/2007/agenda.html>

Oracle OpenWorld Keynotes

<http://www.oracle.com/openworld/2007/keynotes.html>

Oracle OpenWorld Special Programs

<http://www.oracle.com/openworld/2007/special-programs.html>

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Oracle PartnerNetwork at Oracle OpenWorld  
<http://www.oracle.com/openworld/2007/opn.html>

Oracle OpenWorld Unconference  
<http://www.oracle.com/openworld/2007/unconference.html>

Oracle OpenWorld -- Inside Innovation  
<http://http://www.oracle.com/openworld/2007/innovation.html>

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## ***PTC To Host High Speed Machining Seminar: Staying Competitive In The Fierce Global Market***

12 November 2007

PTC announced that it will host a seminar designed to help manufacturing engineers and machinists learn how to optimize toolmaking and high speed machining in order to increase product quality, reduce scrap, and decrease production time and costs for any design. The free half-day event takes place in Windsor, Ontario and will feature presentations from John MacKrell, senior consultant, CIMdata and Francois Lamy, director, product management PTC.

Toolmakers require best-in-class solutions to meet the challenging demands of their discrete manufacturing customers and to compete in a global marketplace. Additionally, the ability to create molds and dies quickly and accurately is important to the manufacturing process and overall product development process.

In this seminar attendees will learn:

- How today's top tool & die shops keep winning amid unprecedented global competition
- How to leverage tool making and high-speed, precision machining processes to increase competitive advantage
- How PTC Pro/TOOLMAKER® enables manufacturers to improve tool making speed and productivity

The "Staying Competitive In The Fierce Global Market" seminar is also an opportunity to meet other toolmakers to discuss both the real problems they're facing in product development and the solutions they use to compete and grow in today's global economy.

**Date and time:** Wednesday, November 28, 2007 8:00 - 11:30 AM EST

**Location:** Casino Windsor, Windsor, Ontario, Canada

**For more information about this event visit:** <http://www.ptc.com/go/windsor>

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## ***WorkNC G3 User Seminars Popular Throughout Japan***

9 November 2007

[Sescoi](#) ran a series of 12 WorkNC 'G3' seminars across Japan throughout September and October 2007. Nearly 400 WorkNC users attended the seminars, keen to see how the integrated ergonomic interface and new fluid toolpaths in 'G3', the third generation of WorkNC automatic CAMCAD software, would

transform their productivity.

WorkNC customers in attendance included representatives from a number of leading Japanese companies such as Fuji Heavy Industries, Miyazu Seisakusho, Nissan Motor Company, Ryobi and Toyota Motor Corporation.

Sescoi demonstrated the usability and productivity advantages of WorkNC G3's new integrated user interface, which combines design, analysis, programming and verification into a single ergonomic environment.

The company also demonstrated a series of WorkNC G3's toolpaths featuring new algorithms for roughing and finishing, as well as completely new routines for the 5-axis machining of impellers and blades, which have further increased the quality and capability of WorkNC's machining. By enabling access to difficult to reach areas with short rigid tools through its unique Auto 5 capability, and by its generation of highly fluid cutterpaths, the software helps eliminate extra operations while at the same time achieving a superior surface finish.

The user seminars also included the participation of SESCOI partners; Hitachi Tool Engineering presented the use of its environmentally conscious cutting tools in a toolmaking environment, whilst MST Corporation illustrated how its ultra slim shrink fit tool holders would benefit moldmakers.

SESCOI Japan sales manager, Shinsuke Iimura concluded, "We were delighted with the response to our user seminar program. These seminars were an ideal platform to demonstrate the productivity improvements delivered by WorkNC G3 and to share information about valuable technology advances. The feedback gathered from WorkNC users will help drive future software developments and further enhance our customer service."

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## Financial News

### ***Agilent Technologies Announces \$2 Billion Share-Repurchase Program***

November 15, 2007

[Agilent Technologies Inc.](#) today announced that its Board of Directors has approved a share-repurchase program of up to \$2 billion of its common stock over the next two years. Agilent completed its previous \$2 billion share buyback in October, bringing its cumulative repurchases to \$6.466 billion since the program's inception in 2005.

"The Board's decision reflects our confidence in Agilent's operating model and strong cash flow," said Bill Sullivan, Agilent president and chief executive officer. "It also demonstrates our continuing commitment to return excess cash to the owners."

Agilent anticipates the share-repurchase program will be implemented using a variety of methods, which may include open-market purchases, block trades, accelerated share-repurchase transactions or otherwise, or by any combination of such methods. The number of shares to be repurchased and the timing of any repurchases will depend on factors such as the stock price, economic and market conditions, and corporate and regulatory requirements. The stock-repurchase program may be suspended or discontinued at any time.

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## *Agilent Technologies Reports Fourth Quarter 2007 Results*

November 15, 2007

[Agilent Technologies Inc.](#) today reported orders of \$1.48 billion for the fourth fiscal quarter ended Oct. 31, 2007, 6 percent above one year ago. Revenues during the quarter were \$1.45 billion, 9 percent above last year. Fourth quarter GAAP net income was \$180 million, or \$0.46 per diluted share. Last year's fourth quarter GAAP net income from continuing operations was \$126 million, or \$0.31 per share.

Included in this quarter's GAAP income is \$36 million of share-based compensation expense. Excluding this item and \$10 million of other net adjustments, Agilent reported fourth quarter adjusted net income of \$206 million, or \$0.53 per share. On a comparable basis, the company earned \$190 million, or \$0.45 per share, one year ago.

"Agilent had a good fiscal fourth quarter, especially considering the continued divergent trends of our markets," said Bill Sullivan, Agilent president and chief executive officer. "Bio-analytical markets were strong in both Chemical Analysis and Life Sciences, and across all geographies. Electronic measurement markets were very mixed, with strength in aerospace / defense and wireless R&D, a flat profile for wireless handset and electronic manufacturing test, and weakness in computer and semiconductor markets."

Total fourth quarter revenues were up 9 percent from last year to \$1.45 billion. Adjusted net income per share, at \$0.53, was 18 percent above last year's results and near the top of the \$0.50 - \$0.54 guidance range.

Sullivan noted that the Bio-Analytical segment grew at a double-digit pace for the sixth consecutive quarter, and that the segment operating margin was at a record level. "We are seeing sustained strength in our new Liquid Chromatograph, Mass Spectroscopy and Gas Chromatograph platforms, and Stratagene integration activities continue to go well. Last week, we announced the acquisition of Velocity11, adding lab automation to our expanding workflow solutions."

"While the Electronic Measurement segment was flat overall, we saw good growth in those areas where we have invested in specific growth initiatives, such as aerospace / defense and wireless R&D," said Sullivan.

Fourth quarter Return on Invested Capital reached a new high of 30 percent, a point better than last year's strong performance. Both Receivables Days-Sales-Outstanding and Inventory Days-On-Hand reached new historic lows. Cash generated from operating activities was \$398 million in the fourth quarter. During the period, the company repurchased \$631 million of its common stock, completing its \$2 billion buyback program.

Full fiscal 2007 revenues grew 9 percent to \$5.4 billion. Adjusted net income per share rose 22 percent to \$1.82. Return on Invested Capital reached 27 percent, and cash generated from operating activities during fiscal 2007 was \$969 million.

Said Sullivan, "Today, Agilent's Board of Directors authorized a new program to repurchase up to \$2 billion of Agilent's common shares, reflecting its confidence in Agilent's ability to create superior shareholder value, leveraging our operating model through higher sustainable growth."

Looking ahead, Sullivan said the company was comfortable with the range of analyst estimates for FY2008 revenues and adjusted net income per share. For the fiscal first quarter of 2008, revenues are expected to be in the range of \$1.35 billion to \$1.40 billion, up 5 percent to 9 percent from last year.

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Comparisons of this year's first quarter adjusted net income will be affected by a change in the timing of Agilent's annual compensation awards program, and by a shift toward more variable compensation. Compared to last year, about \$32 million more compensation-related expense will be recognized in Q1FY08. That \$0.06 per share cost increase will be offset by a \$0.04 reduction in Q2 expense, and by \$0.01 reductions in FY08's Q3 and Q4. Reflecting this changed pattern of compensation expense, first quarter adjusted net income is expected to be in the range of \$0.38 to \$0.43 per share, 15 percent to 30 percent above last year's comparable earnings.

Editor's NOTE: the full text of this press release can be found on the [Agilent Technologies Inc.](#) website.

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### ***Ansoft Corporation Net Income Increases over 40%; Revenue Increases 14%***

November 14, 2007

Ansoft Corporation today announced financial results for its second quarter of fiscal 2008 ended October 31, 2007.

Revenue for the second quarter totaled \$23.4 million, an increase of 14% compared to \$20.5 million reported in the previous fiscal year's second quarter.

On a generally accepted accounting principles (GAAP) basis, net income for the second quarter was \$5.2 million, or \$0.21 per diluted share, representing a 41% increase when compared to GAAP net income of \$3.7 million, or \$0.14 per diluted share in the previous fiscal year's second quarter.

GAAP net income for second quarter includes employee stock-based compensation expense of \$0.3 million, or \$0.01 per diluted share. This compares to employee stock-based compensation expense of \$0.6 million, or \$0.02 per diluted share in the previous fiscal year's second quarter.

Additionally, GAAP net income for both the current and previous year's second quarter includes acquisition related amortization of \$0.3 million, or \$0.01 per diluted share.

"We are pleased to report strong revenue and earnings growth for the second quarter," said Nicholas Csendes, Ansoft's President and CEO. "For the balance of the fiscal year, we expect continued revenue growth of around 10-15%."

Ansoft is a leading developer of high-performance electronic design automation (EDA) software. Engineers use Ansoft software to achieve first-pass system success when designing mobile communication and Internet-access devices, broadband networking components and systems, integrated circuits (ICs), printed circuit boards (PCBs) and electromechanical systems. Ansoft markets its products worldwide through its own direct sales force and has comprehensive customer-support and training offices throughout North America, Asia and Europe.

This press release contains forward-looking statements including those related to revenue growth for the current fiscal year that are made pursuant to the safe harbor provisions of the Private Securities Litigation Act of 1995. These forward-looking statements are based on management's current expectations and assumptions that are subject to risks and uncertainties that could cause actual results to differ materially from those expressed or implied in such forward-looking statement, including, but not limited to, management's ability to forecast revenues and control expenses and the amount, timing and structure of software licenses.

For further information regarding risks and uncertainties associated with Ansoft's business, please refer

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to Ansoft's public reports filed with the SEC, including, but not limited to, its annual report on Form 10-K for the fiscal year ended April 30, 2007 and quarterly reports on Form 10-Q, copies of which may be obtained at Ansoft's website at <http://www.ansoft.com/about/investor/index.cfm>. (You can also find the full text of this release including charts and graphs)

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### ***Autodesk Reports Record Revenues of \$538 Million—Introduces 13 to 15 Percent Revenue Growth Guidance for Fiscal 2009***

November 15, 2007

[Autodesk, Inc.](#) today reported record revenues of \$538 million for the third quarter of fiscal 2008, an increase of 18 percent over the third quarter of fiscal 2007. Third quarter net income was \$85 million, or \$0.35 per diluted share, on a GAAP basis and \$117 million, or \$0.49 per diluted share, on a non-GAAP basis. Net income in the third quarter of the prior year was \$58 million, or \$0.24 per diluted share on a GAAP basis, and \$86 million, or \$0.35 per diluted share on a non-GAAP basis. A reconciliation between GAAP and non-GAAP results is provided at the end of this press release.

"Strong execution delivered yet another quarter of record revenue," said Carl Bass, Autodesk president and CEO. "Our success is ongoing because Autodesk solutions enable our customers to address important secular trends such as globalization, the need for new and improved infrastructure and the emergence of building information modeling as a new paradigm. These trends will continue to drive customers to rapidly adopt our industry leading solutions."

#### **Operational Highlights**

Autodesk's performance in the third quarter of fiscal 2008 was driven by strong increases in revenue from its model-based 3D and 2D vertical design products, revenue in the emerging economies, and revenue from new seats.

Design segment revenues increased 20 percent over the third quarter of fiscal 2007 to \$467 million. Combined revenues from the Company's model-based 3D products, Inventor, Revit, Civil 3D and its newly acquired NavisWorks software increased 32 percent over the third quarter of fiscal 2007 to \$130 million and comprised 24 percent of total revenues. Autodesk shipped over 21,400 commercial seats of Revit, over 13,400 commercial seats of Inventor and nearly 8,200 commercial seats of Civil 3D. In addition, revenues from 2D vertical products increased 22 percent compared to the third quarter of fiscal 2007.

Once again, emerging economies contributed robust growth in revenues. Revenues from the emerging economies in Asia Pacific, Eastern Europe, the Middle East and Latin America increased 31 percent over the third quarter of fiscal 2007 to \$92 million and represented 17 percent of total revenues.

Revenues from new seats increased by 20 percent compared to the third quarter of fiscal 2007. Revenues from new seats of Revit, AutoCAD Architecture and AutoCAD Mechanical were particularly strong, increasing 49 percent, 44 percent and 39 percent, respectively, compared to the third quarter of last year.

Upgrade revenue and maintenance revenue from subscriptions combined increased 15 percent over the third quarter of fiscal 2007 to \$186 million. Maintenance revenue from subscriptions increased 29 percent compared to the third quarter of fiscal 2007 to \$143 million, or 26 percent of revenue. Deferred maintenance revenue from subscriptions increased \$10 million sequentially and \$101 million compared to the third quarter of fiscal 2007. Total upgrade revenues decreased 16 percent compared to the third

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quarter of fiscal 2007, as expected.

## **OTHER FINANCIAL HIGHLIGHTS FROM THE QUARTER ENDED OCTOBER 31, 2007**

- Cash, cash equivalents and marketable securities were \$873 million.
- Total backlog increased \$8 million sequentially to \$441 million. Deferred maintenance revenues from subscription increased \$10 million sequentially to \$366 million. Unshipped product orders decreased \$4 million sequentially to \$17 million.
- Channel inventory remained below three weeks.
- Days sales outstanding, or DSO, was 51 days.
- Cash from operating activities was \$161 million.
- \$77 million was received from employees for the issuance of 4.1 million shares under employee stock plans during the quarter.
- \$138 million was used to repurchase 3.0 million shares under the company's previously existing share repurchase plan. 6.2 million shares remain under the existing share repurchase authorization.
- There were approximately 230 million total shares outstanding, 240 million diluted GAAP basis shares outstanding and 241 million diluted non-GAAP basis shares outstanding in the third quarter. A reconciliation between GAAP and non-GAAP results is provided at the end of this press release.
- Revenues in the Americas increased 12 percent over the third quarter of fiscal 2007 to \$218 million.
- Revenues in EMEA increased 27 percent over the third quarter of fiscal 2007 to \$203 million.
- Revenues in Asia Pacific increased 14 percent over the third quarter of fiscal 2007 to \$118 million.

## **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.

### **Fourth Quarter Fiscal 2008**

Net revenues for the fourth quarter are expected to be between \$575 million and \$585 million. GAAP earnings per diluted share are expected to be in the range of \$0.42 and \$0.44. Non-GAAP earnings per diluted share are expected to be in the range of \$0.52 and \$0.54 and exclude \$0.08 related to stock-based compensation expense and \$0.02 for the amortization of acquisition related intangibles.

### **Full Year Fiscal 2008**

For fiscal year 2008, net revenues are expected to be between \$2.148 billion and \$2.158 billion. Full year GAAP earnings per diluted share are expected to be in the range of \$1.50 and \$1.52. Non-GAAP earnings per diluted share are expected to be in the range of \$1.89 and \$1.91 and exclude \$0.28 related to stock-based compensation expense, \$0.06 for the amortization of acquisition related intangibles, \$0.03 reimbursement to employees for tax issues arising from the voluntary stock option review, \$0.01 for an investment impairment and \$0.01 for in-process research and development.

### **First Quarter Fiscal 2009**

Net revenues for the first quarter of fiscal 2009 are expected to be in the range of \$575 million and \$585 million. GAAP earnings per diluted share are expected to be in the range of \$0.42 and \$0.44. Non-

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GAAP earnings per diluted share are expected to be in the range of \$0.50 and \$0.52 and exclude \$0.06 related to stock-based compensation expense and \$0.02 for the amortization of acquisition related intangibles.

## **Full Year Fiscal 2009**

For fiscal year 2009, net revenues are expected to be between \$2.425 billion and \$2.475 billion. Full year GAAP earnings per diluted share are expected to be in the range of \$1.84 and \$1.90. Non-GAAP earnings per diluted share are expected to be in the range of \$2.20 and \$2.26 and exclude \$0.28 related to stock-based compensation expense and \$0.08 for the amortization of acquisition related intangibles.

## **Safe Harbor Statement**

This press release contains forward-looking statements that involve risks and uncertainties, including statements in the paragraphs under "Business Outlook" above, statements regarding anticipated market trends and other statements regarding our expected performance and results. Other factors that could cause actual results to differ materially include the following: general market and business conditions, our performance in particular geographies, including emerging economies, difficulties encountered in integrating new or acquired businesses and technologies, fluctuation in foreign currency exchange rates, unexpected fluctuations in our tax rate, the timing and degree of expected investments in growth opportunities, slowing momentum in maintenance or subscription revenues, failure to achieve sufficient sell-through in our channels for new or existing products, pricing pressure, failure to achieve continued cost reductions and productivity increases, failure to achieve continued migration from 2D products to 3D products, changes in the timing of product releases and retirements, failure of key new applications to achieve anticipated levels of customer acceptance, failure to achieve continued success in technology advancements, the financial and business condition of our reseller and distribution channels, interruptions or terminations in the business of the Company's consultants or third party developers, and unanticipated impact of accounting for technology acquisitions.

Further information on potential factors that could affect the financial results of Autodesk are included in the Company's reports on Form 10-K for the year ended January 31, 2007 and Form 10-Q for the quarter ended July 31, 2007 which are on file with the Securities and Exchange Commission. Autodesk does not assume any obligation to update the forward-looking statements provided to reflect events that occur or circumstances that exist after the date on which they were made.

## **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 866-700-0133 or 617-213-8831 (passcode: 99767233). 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: 80971692).

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## ***Avatech Solutions Announces Profitable First Fiscal Quarter***

November 14, 2007

[Avatech Solutions, Inc.](#), the nationwide technology experts for design, engineering, and facilities management, today announced financial results for its first fiscal quarter ended September 30, 2007.

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For the first quarter of fiscal 2008, the Company reported revenues of \$12,417,000 compared to \$12,045,000 in the prior-year period. The Company reported net income of \$489,000, or \$0.02 per fully diluted share, compared to net income of \$36,000, or \$0.00 per fully diluted share, in the same period of the prior year.

President and Chief Executive Officer George Davis commented, “We executed on our strategy in the first quarter and Avatech’s financial results reflect the benefit of that focus. Net income rose as a result of a modest increase in revenue from the first quarter of the prior year – including an 8% increase in services revenue – combined with a decrease of more than \$600,000 in selling, general and administrative expenses. This decrease reduced SG&A as a percentage of sales to 37.2% compared to 43.4% in the fiscal 2007 first quarter and was achieved through the execution of our cost-reduction and containment initiatives, which began in February 2007.

“We have established a prudent cost base and a rigorous expense management philosophy for Avatech, and are working aggressively to improve gross margins. In conjunction with our successful cost containment efforts, this will lay a solid long-term foundation for consistent profitability and improved earnings. We continue to expect to deliver modest revenue growth in fiscal 2008 and be profitable in each successive quarter.

“With our baseline operational plans and a renewed emphasis on the bottom line in place, we have been turning additional attention to growth and strategic endeavors, with particular focus on services and diversification. With the increased need for vertical and 3D solutions, we are seeing a natural demand for complimentary services in advanced training, consultancy and implementation. Our goal is to leverage the extensive need for engineering solutions and to use Avatech’s industry expertise and outstanding technical capabilities to grow our Company’s bottom line.”

## Conference Call Information

Avatech will hold a conference call to discuss its first quarter results at 11:00 a.m. ET on Wednesday, November 14, 2007. The dial-in number for the conference call is (866) 634-2258. (For international callers, the dial-in number is 706-643-9926.) A replay of the call will also be available through Wednesday, November 21, 2007, and can be accessed by dialing (706) 645-9291, conference ID #23107099. An audio replay of the conference call will be available in the Investor Relations section of the Company’s Web site, <http://www.avatech.com/>

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## *AVEVA Group plc Interim Results for Six Months Ended 30 September 2007*

12 November 2007

AVEVA Group plc announced its unaudited results for the six months ended 30 September 2007.

### Highlights

- Strong growth in revenues, profits and cash reflecting the leadership position of our products in buoyant marine, oil and gas and power markets
- Revenue increased by 24% to £56.8 million (2006: £45.9 million)
- Recurring revenues up 17% to £28.6 million (2006: £24.4 million)
- Adjusted profit before tax increased by 32% to £18.6 million (2006: £14.1 million)\*

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- Profit before tax up 32% to £16.9 million (2006: £12.8 million)
- Adjusted basic earnings per share up 30% to 19.97p (2006: 15.31p)
- Basic earnings per share up 31% to 17.50p (2006: 13.37p)
- Interim dividend increased by 33% to 1.65p (2006: 1.24p) reflecting the Board's continued confidence in the Company's prospects
- Excellent cash flow with net cash at the period end of £54.5 million (2006: £30.4 million)

Commenting on the outlook, Chairman Nick Prest said:

"AVEVA has built an excellent reputation amongst the world's leading engineering companies for innovative products and first class support. Our significant investment in R&D and resulting launch of new products into strongly growing markets position the Company for further expansion. In addition, the maturing of the new AVEVA NET products will provide an additional platform for sales into the Owner / Operator market."

Click to [download the full statement](#).

Click for the [PowerPoint presentation](#).

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## ***Cimatron Reports Record Revenues and Improved Profits in the Third Quarter of 2007***

November 14, 2007

[Cimatron Limited](#), a leading provider of integrated CAD/CAM solutions for the tool making and manufacturing industries, today announced record revenues and an increase in profits for the third quarter of 2007.

Both increased revenues and profit are attributed to organic growth, as well as to the acquisition of a majority stake in Microsystem. This is the first quarter in which Microsystem's results are consolidated into Cimatron's financial statements.

Most of the organic revenue growth came from new software license sales. However, growth was also registered in maintenance and service revenues.

### **Financial Highlights:**

**Revenues** for the third quarter of 2007 increased by 58% to \$7.9 million compared to \$5.0 million in the third quarter of 2006. In the first nine months of 2007, revenue increased by 22% to \$18.8 million compared to \$15.4 million in the same period in 2006.

**Gross profit** for the third quarter of 2007 was \$6.38 million, as compared to \$4.18 million in the same period in 2006, a 53% increase. Gross margin in the third quarter was 81% of revenues, compared to 83% of revenues in the third quarter of 2006. In the first nine months of 2007, gross profit increased 22% to \$15.55 million compared to \$12.73 million in the first nine months of 2006.

**Gross margin** for the nine months ended on September 30th, 2007 was 83% of revenues as compared to 82% of revenues in the same period of 2006. As expected, the consolidation of Microsystem resulted in a slight decrease to Cimatron's gross margin, due to Microsystem's third-party hardware sales.

**Operating profit** in the third quarter of 2007 was \$450 thousand, compared to an operating loss of

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\$(403) thousand in the third quarter of 2006. In the first nine months of 2007, operating profit increased to \$845 thousand, compared to an operating loss of \$(317) thousand in the first nine months of 2006.

**Net profit** for the third quarter of 2007 was \$486 thousand, or \$0.06 per diluted share, compared to a net loss of \$(281) thousand, or \$(0.04) per diluted share in the same quarter of 2006. In the first nine months of 2007, net profit increased to \$958 thousand, or \$0.12 per diluted share, compared to a net loss of \$(43) thousand, or \$(0.01) per diluted share, in the first nine months of 2006.

"We are very pleased with our continued revenue and profit growth, marked by significant growth in software license sales," said Danny Haran, President and Chief Executive Officer of Cimatron. "The figures for the third quarter reflect the continuous positive acceptance of our latest version of Cimatron E, as well as the contribution of Microsystem's results to both the top and bottom lines."

"The global execution of our business strategy and the successful acquisition of a majority stake in Microsystem have resulted in strong third quarter financial results," said Rimon Ben-Shaoul, Chairman of the Board of Directors of Cimatron. We are pleased to see improvement in all important parameters, even before consolidating Microsystem's results. As previously disclosed, Cimatron will continue to consider M&A opportunities, as part of its strategy to further increase its product offering and global presence," Mr. Ben-Shaoul concluded.

Cimatron has previously disclosed that following the exercise of its option to increase its holdings in MicroSystem to 51% in July 2007, it will fully consolidate the results of Microsystem, subject to the exclusion of a 49% minority interest. However, upon further review, the Company has decided to consolidate 100% of Microsystems' results as of the third quarter of 2007, with no exclusion of minority interest, due to the 49% minority shares in Microsystem having become subject to a put and call option in favor of Microsystems shareholders and Cimatron, respectively, upon the acquisition of 51% of Microsystems. To reflect the foregoing, in Q3 2007 Cimatron booked in its balance sheet an additional investment of \$1.25M and a liability to pay to the remaining Microsystem shareholders the same amount which they are expected to receive in July 2008, as per the call/put options.

### **Conference Call Information:**

Cimatron's management will host a conference call with the investment community to discuss and review the results, on November 15th, 2007:

The conference call will start at 9:00 EST (16:00 Israel time)

To listen to the conference call, please dial:

From the US: +1-888-407-2553

From Israel: 03-9180688

International: +972-3-9180688

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: [/console/CORE/DOC\\_MGR/undefined](/console/CORE/DOC_MGR/undefined)

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***Endeca Reports 19th Consecutive Quarter of Year-Over-Year Growth***

November 15, 2007

# CIMdata PLM Industry Summary

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[Endeca Technologies, Inc.](#), an enterprise information access software company, today announced that it achieved record revenues with 67 percent year-over-year revenue growth in the third quarter, the company's 19th consecutive quarter of year-over-year revenue growth. Revenue for the first three quarters grew 79 percent compared to the first nine months of 2006, and trailing 12-month revenue exceeded \$100 million. Endeca's organic growth rate remains the highest of any company in the information access market.

Fueled by key enterprise wins at automotive, high-tech, and industrial companies, Endeca's manufacturing and distribution business increased over 180 percent year over year. Public-sector business is up more than 130 percent year-to-date compared with the first nine months of 2006, as key wins with civilian, defense, and intelligence agencies accelerated the already rapid adoption of Endeca's public-sector solutions. The quarter also saw Endeca extend its market leadership position in online retail. By the end of the quarter, more than 40 of the top 100 online retailers had adopted Endeca technology to help shoppers explore and discover products and related content on their online storefronts. 1

"We're in an exciting period as a company, one where we're seeing incredible organic growth and traction in established markets alongside huge demand in new application areas. This points to a tremendous untapped market opportunity," said Steve Papa, chief executive officer of Endeca. "In the third quarter, we saw a rapid expansion of our business in opportunities historically addressed by business intelligence technology, packaged applications, or custom solutions built on database technology."

Q3 2007 highlights include:

- Signed dozens of new customers and expanded the use of the Endeca Information Access Platform within the installed base: Key wins included many market leaders and respected organizations such as Avnet, Boeing, the (U.S.) Department of Homeland Security, the (U.S.) Department of Defense, the (U.S.) Environmental Protection Agency, Ford Motor Company, and PETCO.
- Grew and established new channel alliances as strategic partners played an increasingly large role in key deployments, new innovation, and significant wins: Global solutions integrator partners Cognizant, IBM Global Business Services, and Sapient and regional solutions integrator partners such as Blue Fish, Brulant, and LBi teamed with Endeca on high-profile, high-value wins and key deployments. Expanded technology and reseller partnerships with Bazaarvoice, [Dassault/MatrixOne](#), i2, PowerReviews and Silver Creek Systems lead to greater platform extensibility and key new customer wins.
- Introduced the Endeca Discovery Suite, advancing the state of the art in eCommerce and online media: Built to extend the capabilities of the Endeca Information Access Platform, the suite enables the rapid design of dynamic Web sites, the acceleration of online community building, and the integration of online and offline assets. The suite's first two entries are the Social Navigation Module and Search Engine Marketing Module. Future modules will focus on personalization and recommendations, closed-loop reporting, multi-channel operations, and back-end integrations—all with integral support for Web 2.0 interactivity.
- Recognized for meteoric growth over the past five years: Named one of the top 10 fastest-growing technology companies in New England and one of the top 100 fastest-growing technology companies in North America by Deloitte; Recognized as one of the 200 fastest-growing private companies in Inc. magazine's Inc. 500.

# CIMdata PLM Industry Summary

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- Positioned by Gartner in the Leaders Quadrant of the 2007 Magic Quadrant for information access technology: The report includes vendors that go beyond enterprise search to encompass a collection of technologies, including: search; content classification, categorization, and clustering; fact and entity extraction; taxonomy creation and management; information presentation (for example, visualization) to support analysis and understanding. According to the report, vendors included in the Leaders Quadrant “are financially prepared to weather hard times, and they possess sufficient resources to invest inorganically and organically in technology and business growth. They have established sufficient depth and strength to serve as platform vendors whose software might be used to solve most information access problems.”
- Grew global operations and expanded localized customer support:
  - Expanded European headquarters in London, U.K., creating new local training facilities and significantly expanding European operations.
  - Expanded the company’s worldwide headquarters in Cambridge, Mass., by 50 percent.
  - Opened new downtown Chicago office to provide localized support, customer service, and education to Midwest customers and partners.
  - Opened new Southwest hub in Texas.

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## **Valor Shows Strong Positive Cash Flow and Revenues of \$10.6M in Q3 2007**

12 November 2007

Valor Computerized Systems announced its financial results for the period ending September 30, 2007.

Revenues in the first nine months of 2007 accumulated to \$31.4 Million, an increase of 17.5% as compared to \$26.7 Million in the first nine months of 2006. Revenues in the third quarter of 2007 accumulated to \$10.6 Million, an increase of 15.2% as compared to \$9.2 Million in the parallel period of the previous year.

The net profit in the first three quarters of 2007 accumulated to \$2.2 Million, a decrease of 9% as compared to \$2.4 Million in the first three quarters of 2006.

EBITDA was \$1.3 Million in the third quarter of 2007 – an increase of 57% as compared to \$861 thousand in the third quarter of 2006.

Positive cash flow from operating activities was \$3.7 Million in Q3/07, a significant increase compared to a negative cash flow of \$859 thousand in Q3/06.

Earnings per Share (diluted) in the third quarter of 2007 were \$0.03, as compared to \$0.04 in the third quarter of 2006

### **Summary of Financial Data:**

<b>Q3 / 2007 (Unaudited)</b>	<b>Q3 / 2006 (Unaudited)</b>	<b>% Change</b>	<b>1-9 / 2007 (Unaudited)</b>	<b>1-9 / 2006 (Unaudited)</b>	<b>% Change</b>	
<b>Product Sales</b>	6,628	5,679	16.7%	20,028	16,576	20.8%
<b>Maintenance Income</b>	3,928	3,485	12.7%	11,380	10,158	12.0%
<b>Total</b>	<b>10,556</b>	<b>9,163</b>	15.2%	<b>31,408</b>	<b>26,734</b>	17.5%

# CIMdata PLM Industry Summary

<b>Revenues</b>						
<b>Gross Profit</b>	8,956	8,004	11.9%	27,082	23,253	16.5%
<b>EBITDA</b>	1,356	929	46.0%	3,457	3,485	(0.8)%
<b>EBIT</b>	785	655	19.9%	1,936	2,457	(21.2)%
<b>Net Profit</b>	<b>743</b>	<b>715</b>	<b>3.9%</b>	<b>2,198</b>	<b>2,417</b>	<b>(9.1)%</b>
<b>EPS in US\$ (diluted)</b>	0.03	0.04	(25.0)%	0.10	0.12	(16.7)%
<b>Shareholder's Equity</b>						
<b>Total</b>	43,554	39,673	9.8%	43,553	39,673	9.8%
<b>Assets</b>						
<b>Research &amp; Development</b>	3,152	3,298	(4.4)%	10,047	8,024	25.2%
<b>Employees (Period End)</b>	260	249	4.4%	260	249	4.4%

Some of the following statements are forward-looking in nature, and actual results may differ materially:

Commenting on the financial results, Dan Hoz, Valor's CFO said: "Business conditions in Q3 were in line with our expectations. We witnessed a strong positive cash flow, resulting from a robust collection of account receivables, which reflects high customer satisfaction and successful implementation of our assembly products.

" Ofer Shofman, Valor's President and CEO, also commented on the quarterly performance and said: "This was an exciting quarter for us. We signed an OEM partnership agreement with Universal Instruments Corporation, which constitutes a landmark in our cooperation with leading capital equipment vendors. The partnership agreement opens a whole new set of potential distribution channels for us and is expected to play a significant role in our continued growth. We are already working to deliver similar agreements over the next quarters."

"We have recently signed a distribution agreement with one of the largest EDA solution distributors in Europe. We expect to increase our positioning in the European design market in the near future as a result of this engagement," Added Shofman.

"This has also been a second consecutive quarter of strong results in Asia, thanks to the strong organization that we have set up there. We have penetrated a number of Taiwanese customers with our MES solutions, which provides an important foothold for us which will assist us in increasing our business in the Taiwanese market in the future," concluded Shofman.

The complete financial report can be downloaded from the Investor Relations Section on the Valor corporate website: [www.valor](http://www.valor)

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## Implementation Investments

### *Autodesk Supports Easter Island Quest for Sustainable Impact With 3D Design Technologies*

November 16, 2007

[Autodesk, Inc.](#) today announced it is working with Easter Island officials, local archeology experts and several partners to provide technology, services and expertise to help digitally document Easter Island's current historical artifacts, natural resources and infrastructure assets. The work will create 3D models of the island (locally known as Rapa Nui) allowing government officials to better visualize and analyze how development plans will impact residents and resources, and promote sustainable decision-making. As the project progresses, images, photos, articles and diary entries from participants will be regularly

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posted, on <http://www.autodesk.com/green>.

Rapa Nui is a UNESCO world heritage site and Chilean-governed island in the south eastern Pacific Ocean, famous for its enigmatic moai statues, monolithic human figures carved from rock. In recent years, Rapa Nui has drawn increasing interest as a tourism destination, creating strain on the island's infrastructure and its delicate environment and archeological resources.

"We are at a pivotal time in our history," said Pedro Pablo Edmunds Paoa, mayor of Rapa Nui. "Sustainable development, protection of our historical artifacts and natural resources, and ongoing education about our resources are the key challenges we face today. Autodesk design technology and engineering expertise supports our need to make better, more informed decisions about the future of our Island. We appreciate our partners who are helping us modernize without destroying our rich cultural history."

"Autodesk design software is helping Rapa Nui officials digitally visualize and analyze how their development plans could impact roads, buildings and infrastructure, as well as historical artifacts throughout the island," said Lisa Campbell, vice president, Autodesk Geospatial Solutions. "This unique opportunity to work directly with Rapa Nui officials and archeologists to bring state-of-the-art 3D prototyping technology and visual models to tackle their development challenges is especially rewarding for us."

## **Project Evolution**

A team first traveled to Rapa Nui in October 2007 to laser scan and survey the island. Autodesk partners include METCO Services, Inc., provider of surveying and scanning services and technology, and Leica Geosystems which contributed GPS and laser scanning instruments and point-cloud processing software. Team members trained Rapa Nui officials on the use of these technologies and Autodesk digital modeling software, so developers and engineers can continue to evaluate and make sustainable development decisions over time.

Existing AutoCAD software customers on Rapa Nui engaged in the project will be migrating to advanced 3D modeling and visualization technologies from Autodesk, including AutoCAD Civil3D, Autodesk MapGuide and AutoCAD Revit design software.

More information about the Easter Island Project can be found at <http://www.autodesk.com/green>

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## ***Best Buy Selects SAP to Integrate International, Emerging Business Information***

November 14, 2007

Consumer electronics retailer [Best Buy Co., Inc.](#) today announced that it has selected [SAP AG](#) to provide the core enterprise resource management (ERP) platform, as well as SAP® for Retail solutions for specific retail functionality, for its international and emerging businesses.

As Best Buy continues to expand its customer-centric business model domestically and internationally, the common information platform for financial reporting, human resources, retail, and operations management will provide the tools for tracking and managing future growth.

"Best Buy has multiple channels, multiple brands, and a growing international presence," said Robert Willett, CEO of Best Buy's international and the company's CIO. "With a single, global information platform, we can continue to focus our resources strategically, successfully grow the enterprise, and

# CIMdata PLM Industry Summary

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ultimately serve as the International consumer advocate for consumer electronics.”

The SAP platform will provide multi-language/multi-currency and integrated information capabilities for portions of the international business unit’s retail, merchandising, supply chain, wholesale distribution, finance, human resources, and store operations. The first phase of implementation will include current expansion of Best Buy into China, Mexico, and Turkey.

“SAP understands the need for global IT solutions that are best practices for retailers like Best Buy,” said Bill McDermott, president and CEO, SAP Americas and Asia Pacific Japan. “With SAP for Retail, Best Buy will maintain its competitive advantage and be well positioned for expansion around the globe. We are extremely proud to add Best Buy to our ever-growing list of the best run retail businesses.”

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## ***Blom Transforms Traditional Dutch Steel Sailboat Production with Dassault Systèmes Shipbuilding Solutions***

November 13, 2007

[Dassault Systèmes](#) today announced that traditional Dutch sailboat manufacturer, [Blom](#), has selected its PLM shipbuilding solution to speed production. By capturing Blom’s artisan craftsmanship knowledge in a digital shipbuilding solution, the company is able to deliver boats quicker.

“The complexity of our hull shapes with double curvature and recovery of the plates is the mark of tradition of our boats, but something painful to define manually. Designing a parametric model that is directly transformed into production data is a big step forward for us, allowing us to drastically shorten the manufacturing preparation,” said Mr. Dink Blom, owner of Skipshelling Blom. “It also helps us to significantly improve the accuracy necessary to easily assemble hull steel parts. We think that Dassault Systèmes’ CATIA and its integrated solution for steel manufacturing is our way into the future.”

Blom’s traditional steel sailboats are built from similar structures and designs but that vary in dimensions. To ease design and manufacturing complications, Blom decided to use DS’s solutions to implement a parametric definition of its traditional sailboats and digitally prepare their manufacturing. They also began using a new steel cutting and marking plasma machine driven by ALMA Act/cut software for nesting and cutting that is seamlessly integrated to DS’s platform, thus eliminating the need for data transfer.

“Blom is a good example of how even smaller shipbuilders can benefit from our digital PLM solutions. It demonstrates that our shipbuilding solutions are helpful for any size yard, “says François Mathieu, yacht market development leader, Dassault Systèmes. Many types of shipbuilding companies, such as naval architects, small/large yacht shipyards and suppliers across the globe are benefiting from Dassault Systèmes’ shipbuilding/yacht solutions, which are helping them to transform their business and gain competitive advantages by improving key business parameters in product innovation and customer demand fulfillment.

Dassault Systèmes will be present at the international Marine Equipment Trade Show (METS) in Amsterdam on November 13-15 and invites attendees to join them at Booth 04.212.

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## ***CH2M Hill Selects eB Nuclear to Support its Broad Range of Nuclear Services***

31 October 2007

Enterprise Informatics announced that the Nuclear Business Group at CH2M Hill has selected eB Nuclear to support the document and records management requirements for the broad range of services they offer their Nuclear customers.

CH2M HILL's Nuclear Business Group manages nuclear facilities and provides infrastructure management services for commercial and government facilities. The company offers a wide range of services to Nuclear plants including: plant maintenance and operations, quality assurance programs, nuclear materials management and regulatory compliance. For more information on CH2M HILL's Nuclear practice visit <http://www.ch2m.com/corporate/markets/nuclear>.

"The information management requirements for our Nuclear clients is not only key to regulatory compliance but also to maintenance and operations," said Richard Hansen, Director of Contracts, CH2M HILL Nuclear Business Group. "Enterprise Informatics' deep experience and customer success in the Nuclear market makes eB an ideal fit for the CH2M Hill Nuclear practice."

eB for Nuclear captures, stores and manages content and documents (technical specifications, engineering drawings, procedures, reports and correspondence) and categorizes and links this information to design basis requirements and to the physical items in a Nuclear plant (equipment, systems, structures and components).

eB for Nuclear combines seven core functions into a tightly integrated suite that includes Requirements Management, Document Management, Item Management, Change Management, Corrective Action, Human Performance and Records Management. For information about eB for Nuclear, visit <http://www.enterpriseinformatics.com/nuclear.shtml>.

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## ***Delcam Software Used for Constantine Head Recreation***

November 16, 2007

In one of its largest and most unusual projects to date, [Delcam GmbH](#) has developed programs to machine a giant replica of the head of the Roman Emperor Constantine. The replica was needed for an exhibition in Trier, Germany, after it was decided that the original pieces were too heavy and too delicate to be shipped from Rome.

The starting point for the Delcam engineers was an STL file created by ArcTron 3D, using a combination of laser scanning and structured light scanning. The size and complexity of the file had already defeated several other CAD/CAM companies but it could be processed using PowerMILL, one of very few CAM systems developed from day one to be able to machine STL files.

The next problem was the material to be used – a 25-tonne block of marble. "Marble was completely new territory for us," commented Delcam's Sales Manager Ferdi Hoischen. "We had absolutely no data on milling tools, cutting values or suitable processing strategies for this material. Following intensive research on the tools and after comprehensive tests of various machining strategies in co-operation with EEW Maschinenbau GmbH in Kiel, we were finally able to start the programming of the Emperor's bust."

A further challenge came because CAM specialist Ingo Busse could not be present at EEW for all the

## CIMdata PLM Industry Summary

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time needed for the NC programming. “I had to undertake much of the programming using geometry based on the residual material model in PowerMILL,” explained Herr Busse. “I had to be able to rely completely on the accuracy of the roughing programmes created by PowerMILL when programming the finishing toolpaths.” The task was made even more difficult by the fact that five-axis machining had to be used for parts of the bust.

Overall, a total of 230 NC programs were produced in this way. When they were run by EEW, PowerMILL fully justified the confidence placed in the software’s ability to calculate the residual material model and to undertake collision checking of the milling machine.

The close co-operation between Delcam and EEW was largely responsible for the successful completion of the project. “Only with an expert team of top-quality software and the latest milling machine technology can such challenges as the bust of Emperor Constantine be mastered,” summarised Herr Hoischen. “Without efficient and innovative CAM software, every milling machine will soon be what Emperor Constantine is today – history.”

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### ***Electric Car Manufacturer Charges up Product Development Processes with Dassault Systèmes’ CATIA PLM Express***

13 November 2007

Dassault Systèmes ([DS](#)) announced that electric car manufacturer [Tesla Motors](#) has selected CATIA PLM Express as its product development solution. In addition, Tesla has expanded the data management capabilities found in CATIA PLM Express and will deploy ENOVIA SmarTeam’s multi-site data replication solution between its engineering facilities in San Carlos, California and Rochester Hills, Michigan.

Tesla Motors is an electric vehicle manufacturer headquartered in San Carlos with more than 250 employees and a new vehicle design facility in Rochester Hills, Michigan. Known for producing the Tesla Roadster, a high-performance electric sports car, it gained numerous accolades for best car and design. For the development of its next generation electric vehicle, a 4-door performance sedan, Tesla is rolling out Dassault Systèmes’ CATIA PLM Express.

“As a growing company, we saw the need for a comprehensive solution that supports the entire vehicle engineering process and is scalable to accommodate our needs now as well as in the future,” said Tesla Motors’ Paul Lomangino. “Additionally, we needed a product data management tool that takes advantage of the native depth and richness of the engineering data, while enabling effective collaboration between locations and with our suppliers. CATIA PLM Express, which includes ENOVIA SmarTeam and digital mockup capabilities, provides us cutting edge technology and capability in an unbeatable package.”

Implementation and training for Tesla is provided by DS channel partner TechniGraphics. Phase one implementation, consisting of 30 seats, was completed at the end of 2006. An additional 15 seats were added in early 2007 with another 20-seat expansion expected by the end of this year. In the next phase Tesla will expand the scope of its implementation to cover a multi-site design-to-manufacture scenario, incorporating engineering data integration with Tesla’s ERP system.

“We are proud to be working with such an exciting company as Tesla Motors,” said Jacques Leveille-Nizerolle, CATIA brand CEO, Dassault Systèmes. “While Tesla is focused on building a premium

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performance car brand by offering consumers zero emissions electric vehicles, our solutions are focused on providing Tesla improved design performance, quality and efficiency. Our commitment to capturing company knowledge for reuse and sharing a common set of data is also about resource maximization, which matches Tesla's own business focus."

"TechniGraphics is excited to support innovation in the automotive industry," said Dee Vaidya, president and CEO of [TechniGraphics](#). "Even as a startup company, Tesla understands the need to design its PLM system correctly from the beginning. We are confident TechniGraphics' collaboration will help Tesla's team members gain the advantage of our many years of experience in implementing PLM solutions. We will provide them with the long term benefits they are seeking from the Dassault Systèmes suite of solutions."

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## ***Faraday Chooses Cadence Voltagestorm for Advanced 65nm Low-power Signoff***

13 November 2007

Cadence Design Systems, Inc. and Faraday Technology Corporation announced that Faraday has adopted the Cadence® VoltageStorm® power analysis technology for low-power signoff and to support Faraday's low-power designs. Faraday uses VoltageStorm's static and dynamic power analysis to validate its advanced low-power design methodology, which includes power gating, de-coupling capacitance optimization, and multi-supply, multi-voltage (MSMV) scaling.

[Faraday](#) had an existing power analysis solution which was successfully employed down to 90 nanometers. However, recognizing the new technical challenges of low-power signoff at 65 nanometers and below, Faraday engaged in an extensive evaluation of all commercially available power analysis and IR drop solutions on the market. Following this comprehensive evaluation, VoltageStorm power analysis was selected as the only solution available to accurately validate Faraday's complex low-power designs. In addition, the integration of VoltageStorm analysis and Cadence SoC Encounter™ RTL-to-GDSII system—Faraday's selected design implementation solution—provided a superior solution capable of optimizing power switches and de-coupling capacitance during implementation, which proved to be of high value to Faraday.

"We were really concerned with the accuracy of power analysis for our advanced low-power designs at 65 nanometers, and the accuracy of power analysis for our advanced low-power designs at 65 nanometers," said C. J. Hsieh, associate vice president of SoC Development and Service at Faraday. "Following our rigorous evaluation, VoltageStorm analysis clearly demonstrated that it has the functionality, accuracy, capacity and performance to meet our future production needs. The ability to execute VoltageStorm analysis directly from SoC Encounter system has significantly increased ease of use for our back-end design engineers," he added.

A key component of the [Cadence](#) Low-Power Solution and an integral part of the Encounter® digital IC design platform, VoltageStorm's static and dynamic power analysis validates for full-chip IR drop and power rail electromigration. Automatic optimization of de-coupling capacitance and power switches is enabled via tight integration with the SoC Encounter system.

"At 65 nanometers and below, it is especially critical that low-power design teams properly optimize de-coupling capacitances to tame dynamic IR drop transients, and reduce the number of power switches required to turn off blocks of logic," said Chi-Ping Hsu, vice president of Cadence's digital implementation group. "The integration of SoC Encounter system and VoltageStorm power analysis

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provides completely automated optimization and replaces engineering guesswork with signoff-accurate analysis during the design flow, greatly increasing quality of silicon (QoS) and tapeout confidence."

VoltageStorm power analysis allows low-power design teams to minimize IR drop, avoid electromigration, maximize the efficiency of added de-coupling capacitance and power switches, and helps ensure a robust power network design that will not be a cause of silicon failure.

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## ***Keiper Speeds Up Product Development With Tecnomatix, Siemens PLM Software's Digital Manufacturing Technology***

November 14, 2007

[Siemens PLM Software](#), a division of [Siemens Automation and Drives \(A&D\)](#) and a leading global provider of product lifecycle management (PLM) software and services, today announced that Kaiserslautern-based Keiper GmbH & Co. KG will be using Tecnomatix® software, Siemens PLM Software's best-in-class digital manufacturing solution, for the digital planning and production of its entire range of products. The international company develops and produces a range of seat components for car makers and their system suppliers, from complete seat structures to reclining and adjusting elements.

Tecnomatix provides Keiper an open systems architecture and flexible digital production solution to enable the company to integrate all of its IT systems companywide. Tecnomatix enables the company to quickly assess production problems and make precise forecasts on the development and production of its seat components. This means that its designers can develop products for easier production from the outset.

"An end-to-end production flow plays a decisive role in profitability of our processes," said Ramon Loos, head of Industrial Engineering Process Development at Keiper. "Tecnomatix from Siemens PLM Software allows us not only to ensure the technical maturity of our products early on, but the entire planning process too, thus avoiding unnecessary costs."

"Tecnomatix helps Keiper speed up its product and process development," said Paul Vogel, senior vice president and managing director, Europe, Middle East and Africa, Siemens PLM Software. "The digital factory planning and simulation technology helps the company bring its products to market faster and helps reduce costly production errors."

### **About Tecnomatix**

The Tecnomatix portfolio from Siemens PLM Software represents a suite of best-in-class digital manufacturing applications and production expertise, covering manufacturing engineering through shop floor execution. These solutions are connected together to legacy systems and to the extended enterprise by an open manufacturing backbone. Tecnomatix is the leading digital manufacturing solution based on technology, market share, industry experience and world-class customers served.

### **About Keiper**

Specializing in the development and production of vehicle seat components and structures as well as engineering services, the globally active automotive industry supplier Keiper GmbH & Co. KG based in Kaiserslautern, Germany, generated total revenues of euro 931.6 million in 2006 (2005: euro 889.1 million). With 6,700 employees in 11 countries, the company expects annual sales in 2007 to reach

# CIMdata PLM Industry Summary

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approx. euro 898 million.

## **About Siemens PLM Software**

Siemens PLM Software, a division of Siemens Automation and Drives (A&D), is a leading global provider of product lifecycle management (PLM) software and services with 4.6 million licensed seats and 51,000 customers worldwide. Headquartered in Plano, Texas, Siemens PLM Software's open enterprise solutions enable a world where organizations and their partners collaborate through Global Innovation Networks to deliver world-class products and services. For more information on Siemens PLM Software products and services, visit <http://www.siemens.com/plm>.

## **About Siemens Automation and Drives**

The Siemens Automation and Drives Group (A&D), Nuremberg, Germany, is the leading manufacturer in this field worldwide. Products supplied by A&D include standard products for the manufacturing and process industries and for the electrical installation industry as well as system solutions, for example for machine tools, and solutions for whole industries such as the automation of entire automobile factories or chemical plants. Supplementing this range of products and services, A&D also offers software for linking production and management (horizontal and vertical IT integration) and for optimizing production processes. A&D employs 70,600 people worldwide and in fiscal year 2006 (to September 30) earned a group profit of euro 1.572 billion on sales of euro 12.848 billion and orders of euro 14.108 billion, according to U.S. GAAP. Further information about A&D is available in the Internet at <http://www.siemens.com/automation>.

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## ***K-Tron Stays Ahead of Competition by Embracing Autodesk Manufacturing Solution***

13 November 2007

[Autodesk, Inc.](#) announced that K-Tron International, Inc.- a global leader in high-quality feeding, pneumatic conveying and other material handling process equipment - has successfully deployed a comprehensive Autodesk manufacturing solution, including Autodesk Inventor and Autodesk Productstream Pro software products, across the international operations of its Process Group. The Autodesk solution will allow K-Tron to better manage and share product data among its global offices, allowing the company to more effectively service customers and expand into new international markets.

The latest versions of Autodesk Inventor and Autodesk Productstream Pro provide the cornerstone of the solution. As the foundation for Digital Prototyping, Inventor allows companies to virtually explore their products before anything is built by creating 3D digital models. Productstream Pro further leverages these models by allowing companies to organize and share their digital design data throughout the product development cycle.

"We have standardized on Autodesk's 3D design and data management solutions across our entire organization," said Kevin Bowen, senior vice president of K-Tron's Process Group. "Now, our Process Group employees across the globe have access to accurate, up-to-date product data at the touch of a button. This allows us to be a much more customer-centric organization and provide a superior customer experience at every stage, from sales to service."

To assist in the global deployment of the Autodesk solution, K-Tron retained Autodesk Consulting for its services, which helps companies reduce the time, cost and risk of transforming their business with technology by offering a full range of consulting and training services and methodologies. Autodesk

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consulting, together with K-Tron's team, re-engineered K-Tron's existing processes during a series of global educational workshops which addressed critical success factors while also focusing on rapid execution of the process changes and aiming to achieve maximum utilization of the new technology.

"For global companies like K-Tron, geographical boundaries are a thing of the past," said Robert "Buzz" Kross, senior vice president of Autodesk Manufacturing Solutions. "The K-Tron Process Group operates as a seamless whole around the world. We are proud of the role that Autodesk Consulting and Autodesk manufacturing solutions have played in helping them to optimize their global operations and gain a competitive edge in their markets."

"The deployment was truly a global undertaking," said Ken Bado, executive vice president of Worldwide Sales and Services at Autodesk. "Despite the complexity of the task at hand, we completed the project on time, and on budget, which is a tribute to the great teamwork between Autodesk Consulting and [K-Tron](#)."

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### ***Large Defense Contractor Chooses IQS to Ensure Quality; IQS to Automate Quality and Reduce Nonconformances***

30 October 2007

IQS has announced that a large defense contractor, responsible for manufacturing armored trucks for the United States of America's military, has chosen IQS to automate quality procedures in order to streamline their operations, proactively reduce defects and improve timeliness and visibility.

"Quality is simple to manage with the same rigor companies manage finances – it is a matter of having actionable intelligence to resolve issues and improve processes," says Michael Rapaport, President and CEO of IQS. "IQS' lifecycle approach to quality management provides companies centralized, real-time information to make the kinds of decisions that business can rely on."

[IQS](#) replaced the defense contractor's bevy of disconnected, home-grown quality systems that were laboriously maintained by IT. The legacy systems stored supplier, product, equipment, employee, and customer information in silos where it couldn't be used efficiently. The disparity created lethargic, manual and costly response processes to any production issue, and made proactive improvement almost impossible. IQS provided a central, highly-connected repository for all aspects of quality information, along with an interface that gave people from engineering, purchasing, manufacturing and quality all access to actionable information they needed to respond quickly. IQS integrated seamlessly with the defense contractor's legacy Enterprise Resource Planning (ERP) system to create a single point-of-entry for updating and managing quality data.

IQS isn't limited to working within a plant's four walls. IQS provided cross-plant trends and visibility to proactively resolve and prevent issues. IQS has also bridged the quality gap with the defense contractor's subs, proactively reducing nonconformances by making the latest revision of product specifications and inspection plans available to internal teams and subs - in real time.

The defense contractor further extended the capabilities of IQS by leveraging hand-held scanners to reconcile incoming parts information with inspection parameters stored in IQS. IQS automatically notifies personnel whether a part should be held for inspection or Production Part Approval Process (PPAP), to further prevent nonconformances from entering the production line.

"IQS looks at quality as a team sport. It provides the centralization and visibility to allow departments,

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plants, and suppliers to work together to resolve, then to prevent issues,” said Lori Gipp, Vice President of Marketing at IQS. “IQS is the missing link between engineering and ERP, filling the void that headline-making quality issues fall into. Growing companies recognize that manual quality processes and disparate systems are a long-term waste of time and money. By optimizing one of the last truly manual processes in the company, IQS not only improves quality, it improves the way businesses run” added Gipp.

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## ***MANITOU Navigates Product Development Terrain with CoCreate OneSpace Suite***

November 14, 2007

[CoCreate Software, GmbH](#), a leading provider of 3rd generation PLM software applications for high-tech electronics and machinery, today announced that MANITOU has standardized on the CoCreate OneSpace Suite. The manufacturer of all-terrain forklift-trucks has successfully deployed more than 100 seats of CoCreate OneSpace Modeling, CoCreate OneSpace Model Manager, and various add-on modules in five locations worldwide.

With its 2,500 staff members, 21 subsidiaries and 600 points of sale, MANITOU, an international company located in western France produces and distributes choice equipment for construction, industrial and agricultural markets worldwide.

MANITOU relies on OneSpace Modeling’s Dynamic Modeling based approach to 3D product development to help engineers flexibly change models as new insight and innovative ideas arise.

“We use the Dynamic Modeling based approach to streamline our collaboration with development partners,” said Christian Herrmann, MANITOU’s IT Director. “For example, our team imports partner’s CAD models for diesel engines right into OneSpace Modeling, where we can easily fit fixture geometry to our current requirements.”

MANITOU has also streamlined development with CoCreate’s online collaboration software. MANITOU saves with CoCreate OneSpace.net as its teams collaborate on projects with external partners (suppliers, subcontractors). OneSpace.net cuts business travel and results in fewer communication mishaps.

MANITOU recently replaced its highly customized PDM environment with CoCreate OneSpace Model Manager. This standard solution integrates tightly with OneSpace Modeling and offers impressive performance when working with large assemblies.

“OneSpace Model Manager is easy to implement and easy to use,” said Herrmann. “So much so, that our engineering departments at MANITOU will adopt it. OneSpace Model Manager will be deployed in France this year.”

MANITOU plans to further streamline product development and lifecycle management by integrating OneSpace Model Manager into its ERP system. That way, the company can exchange technical data when transitioning from development to manufacturing.

“Our aim was to extend the use/usage of our CAD-PLM system, which is considered powerful and flexible by our end users,” said Herrmann. “And we needed a product development environment that can easily be integrated via standard connections into our future ERP system. CoCreate’s PLM solution combines all these things.”

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## ***New Era Cap Hangs Hat on SAP Apparel Solution***

November 14, 2007

[SAP AG](#) announced that New Era Cap, the largest sports-licensed headwear company in the world, has selected the SAP® Business All-in-One solution to improve order processes and better manage its growing worldwide inventory of customized hats. As part of an organizational commitment to improving the customer experience, the SAP solution will align IT performance with overall corporate goals, enabling New Era Cap to speed up delivery of new cap models to its diverse customer base. The new solution, specifically designed for the apparel industry, will replace an existing Oracle system and will be rolled out across the company's U.S. and European operations.

Founded in 1920, New Era Cap makes more than 34 million licensed and non-licensed caps a year, with internal divisions in the United States, Canada, Japan and Europe. The company is renowned for its storied partnership with Major League Baseball (MLB), for which it manufactures the uniform caps of every major and minor league baseball team.

"The SAP Business All-in-One solution will speed product delivery by helping us better navigate a complex network of suppliers and partners, ensuring that our customers have a reliable and rewarding purchasing experience," said John DeWaal, vice president, Brand Communication, New Era Cap.

"SAP's best practices for the apparel industry, combined with built-in business intelligence and demand planning capabilities, will enable us to better understand and meet our customer needs."

With tens of thousands of cap designs produced annually, New Era Cap required an updated solution to optimize complex supply chain processes, improve inventory control and increase the order fill rate. The SAP Business All-in-One solution, delivered by SAP solution partner CIBER, is tailored to apparel industry processes, with specific processes for purchasing, inventory and distribution.

"By leveraging technology to more effectively deliver on its business objectives and improve customer satisfaction levels, New Era Cap continues to display the passion and intelligence that has placed it at the forefront of the apparel industry," said Bill McDermott, president and CEO, SAP Americas and Asia Pacific Japan. "With the SAP Business All-in-One solution, growing companies like New Era Cap gain vertical expertise and improved control over expanding operations, ensuring they remain in midseason form."

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## ***Pelamis Wave Power Delivers Ocean Energy Generators with Realistic Simulation Solutions from Dassault Systemes' SIMULIA Brand***

November 14, 2007

[Dassault Systèmes](#) (DS), a world leader in 3D and Product Lifecycle Management (PLM) solutions, today announced that [Pelamis Wave Power Ltd \(PWP\)](#), creators of an innovative wave energy converter, is performing rapid design evaluation and optimization of its power generators with Abaqus Unified Finite Element Analysis (FEA) software from [SIMULIA](#).

To generate electric power, Pelamis Wave Energy Converters (PWEC) are linked together into a "wave farm" on the ocean's surface. Hydraulic rams resist the motion of the waves and pump hydraulic fluid

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through electricity-producing generators. A wave farm of 40 Pelamis machines, covering a square kilometer of ocean surface, is capable of generating electric power for 20,000 homes.

“The PWEC is an extremely innovative machine for harnessing the ocean’s energy,” stated Jon Benzie, senior engineer at PWP. “Abaqus FEA software from SIMULIA is, by far, the best solution available to accelerate the evaluation and optimization of our product’s performance. It is a vital part of our development program as it enables us to perform highly focused, realistic performance studies on the sub-parts of our machines for stress, contact, and fatigue.”

“We are extremely pleased that our realistic simulation solutions are enabling the efficient development of clean, renewable energy,” stated Ken Short, vice president, SIMULIA strategy and marketing. “Abaqus Unified FEA provides robust real-world analysis capabilities that help innovative companies such as Pelamis Wave Power to create completely new products, while meeting the highest standards of safety, quality, and performance.”

Pelamis Wave Power uses Abaqus FEA software for initial concept analysis, general design work, and detailed functional analysis of its Wave Energy Converters. Their engineers leverage the software’s extensive material modeling capabilities and incorporate data from hydraulic systems tests, electrical layouts and production assembly requirements, to make their Wave Energy Converters efficient, cost-effective and environmentally sound.

## About SIMULIA

SIMULIA is the Dassault Systèmes brand that delivers a scalable portfolio of Realistic Simulation solutions including the Abaqus product suite for Unified Finite Element Analysis, multiphysics solutions for insight into challenging engineering problems, and lifecycle management solutions for managing simulation data, processes, and intellectual property. By building on established technology, respected quality, and superior customer service, SIMULIA makes realistic simulation an integral business practice that improves product performance, reduces physical prototypes, and drives innovation. Headquartered in Providence, RI, USA, with R&D centers in Providence and in Suresnes, France, SIMULIA provides sales, services, and support through a global network of over 30 regional offices and distributors. For more information, visit <http://www.simulia.com/>

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## ***Small and Medium Businesses Execute Global Product Development Initiatives with PTC® Windchill®***

13 November 2007

PTC announced that small and medium businesses (SMB) are implementing its Windchill content and process management solution to help achieve success in their global product development initiatives. Windchill helps companies manage and configure complete product development content, and optimize the broad set of product development processes necessary to bring products to market and manage them over the entire lifecycle. The momentum of Windchill adoption was recently reflected in PTC’s fourth quarter earnings results, which reported the highest revenue for Windchill solutions in the company’s history.

“Small and medium businesses today are faced with increasing product complexity, competition from larger counterparts and the need to shorten time to market, ” said Jay Muelhoefer, vice president, channel solutions, [PTC](#). “Windchill provides data vaulting, automated revision control and improved

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collaboration capabilities that help these companies to shorten product development cycles, respond faster to changing requirements, and share data with team members located anywhere in the world, increasing competitive advantage. PTC offers customers either an on-premise or software-as-a service deployment option to fit their business needs.”

Vette Corp is a premier global thermal management solutions provider of custom heat sinks and thermal solutions for leading OEMs across the computer and industrial electronics industries. Vette is unique in its ability to rapidly design and deliver high volumes of low-cost, custom solutions to North American and European customers. Vette’s product development teams include design and application engineers in North America and Asia, and manufacturing teams in China and Taiwan.

Vette’s critical challenge to enable concurrent design between client, engineering and manufacturing teams over the life of a product was further complicated by language barriers and time zone differences. To solve this challenge, the company selected PTC Windchill. Internet-based Windchill is an ideal fit for the global 24/7 environment of Vette’s business. “Windchill provides a single repository that any team member worldwide can access to get the correct version of a model or documentation at any time,” said Dan Price, technical sales engineer, Vette Corp. “The Windchill On Demand deployment option enables us to focus on our core product development competencies, resulting in reduced rework and shortened product development cycles with minimal investment.”

Tribotek is a leading electrical interconnect technology company that focuses on the design, development and manufacture of innovative high-density power and data connectors that deliver improved performance and density characteristics. Tribotek found that its lack of data management capabilities often resulted in multiple copies of same part in different locations. The company is located in Burlington, Mass. with design, manufacturing and sales teams spread across the United States and China. Tribotek required a data management solution that provided a centralized data vault for controlling and storing all product data, the ability to easily share the most recent product content among its worldwide product development organization and control of key change and lifecycle management processes. PTC Windchill provided the ideal solution with low costs, low IT resource requirements, fast deployment, and fast time to value. “It has been essential in providing accessibility of accurate product information to our worldwide product development, manufacturing, and sales teams,” said Greg Mark, manager, engineering, Tribotek. “With PTC Windchill our worldwide product development team will be able to quickly find and access the most recent product information.”

Transformational Defense Industries (TDI) is an emerging company focused on the research and development of new technologies for defense applications. TDI has revolutionized its recoil management system for small and medium caliber weapons that redirects recoil forces allowing for less felt recoil and higher accuracy at high rates of fire. One of TDI’s main business challenges is to move from concept to product in less time while simultaneously building itself into a global product development company. TDI selected PTC Windchill to build an extended virtual product development organization with limited resources. Windchill gave TDI the ability to effectively collaborate and manage data with partners, suppliers and customers across that virtual product development team. Windchill facilitates secure sharing of specifications, design, and test data with suppliers, outsourced engineering and US Army Research Centers. Additionally, Windchill provides efficient management of product data as TDI’s engineering team evolved. “Sharing information amongst team members is critical to the success of most projects but can become very challenging when the teams are spread across different locations,” said Tim Lindsay, vice president, TDI. “We would not have been able to design and prototype systems in the time that we have without the collaborative environment that Windchill provides.”

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## ***Southern California Edison Chooses Autodesk Utility Solution for Engineering, Planning and Design Workflows***

13 November 2007

Autodesk, Inc. announced it will be providing Southern California Edison (SCE), California's largest electric utility, with a common set of design management applications for the utility's more than 1,000 designers, engineers and planners who oversee the utility's distribution, transmission and substation assets within SCE's Transmission & Distribution Business Unit (TDBU).

SCE chose the Autodesk applications following a rigorous Request for Proposal and product demonstration process. Over 50 SCE planners, designers, and engineers from Distribution, Transmission, and Substations exercised the applications and found the tools to be user friendly and intuitive.

"SCE selected Autodesk based on the product's ease of use and ability to automatically perform engineering calculations, order material, and size equipment," said Walt Johnston, SCE's vice president of power delivery.

The Autodesk software solution, which includes Autodesk Utility Design software, subscription and professional services, will streamline workflows where engineering and construction standards are linked to the design process. The Autodesk applications will help SCE meet the demands of future growth, and help expand and strengthen its electric system infrastructure to serve all of its customers.

"Smart design is fundamental for utilities to increase efficiency and manage costs," said Lisa Campbell, vice president, Autodesk Geospatial. "Many utility companies use Autodesk solutions to streamline their engineering and planning in order to address the challenges they face unique to their industry, including aging infrastructure and workforce. We designed Autodesk utility solutions to help firms like Southern California Edison manage their physical assets effectively, starting with design through asset management and operations."

### **Built-In Intelligence Enhances Productivity**

The [Autodesk](#) rules-based design software allows customers to configure it according to the utility's unique design and construction standards, ensuring accuracy and consistency across design, engineering, estimating and automated material ordering workflows. Since the system is AutoCad-based, customers can leverage the expertise of the large pool of AutoCAD-trained designers in the utilities field, reducing the learning curve for new employees and mitigating the impact of experienced worker retirements.

Using the system's pre-defined standards, SCE planners can perform engineering calculations such as voltage drop and pulling tension. Planners can seamlessly exchange data with other corporate systems, including SAP, in order to automatically generate construction work orders that include layouts, engineering data, bill of materials, design scenarios and estimated costs.

### **About Southern California Edison**

Southern California Edison, an Edison International company, is the largest electric utility in California. SCE serves a population of more than 13 million via 4.8 million customer accounts in a 50,000-square-mile service area within Central, Coastal and Southern California.

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## ***Storm-Safe, Designed in SolidWorks, Reduces Damage, Power Outage Time, and Electrocution Risk During Storms***

12 November 2007

The ice-glazed branches of your front-yard oak tree shimmer in the December sunlight. It's a beautiful pre-holiday scene ... until a limb crashes down onto a power line, ripping clapboards from your house, stranding your family without electricity, and posing a deadly electrocution risk – sometimes for days.

This fearsome scenario plagued hundreds of thousands of Midwesterners last year and prompted The [Homac Companies](#), a utility connector manufacturer in Florida, to design an entirely new, safer way for homes to connect to power lines. Storm-Safe®, designed entirely in [SolidWorks®](#) 3D CAD software, is a simple “breakaway link” fixed to a utility pole that automatically disconnects cables from poles under abnormal stresses. Because the cables disconnect on the pole side, not at the home, the fallen wire carries no current. When the storm subsides, a new link is quickly installed, allowing utility workers to plug in the cables, energize the home, and be on their way.

“Storm-Safe minimizes damage to both the home and utility, containing damage to a single breakaway link, ensuring fallen wires aren't energized, and compressing the power recovery process to mere minutes,” said Jim Zahnen, senior product development engineer for Homac. “This is an industry first and something that is gaining worldwide interest from our international utilities customers. It's good business and it's good for customers. SolidWorks software helped us visualize the design, refine it with internal and customer feedback, and quickly develop the necessary engineering drawings for each configuration, a process that couldn't happen with our old 2D software. SolidWorks is helping us work more productively, especially in developing configurations of new products, and the transition from 2D has been surprisingly intuitive.”

Storm-Safe comes in configurations to serve one, two, or three homes and is rated for 200 amp service.

“As Homac is demonstrating with Storm-Safe, the right CAD tool can make a significant difference in the nature of product a company can produce,” said Rainer Gawlick, SolidWorks vice president of worldwide marketing. “This isn't an incremental improvement; this is what we like to call an ‘absurdly ideal’ breakthrough with a big potential impact.”

Homac relies on authorized SolidWorks reseller [ModernTech Mechanical](#) for ongoing software training, implementation, and support.

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## ***TactonWorks Lowers Design and Production Times for Åhmans***

November 15, 2007

[Tacton Systems](#), a global vendor of configuration software, announced today that [Åhmans i Åhus AB](#) will employ TactonWorks and SolidWorks 3D CAD technology to revolutionize its engineer-to-order capabilities.

Based in Åhus, Southern Sweden, Åhmans AB is a leading designer of elevator cars and car linings, supplying elevator manufacturers both in the Scandinavian region and worldwide. The highly individual requirements of its clients' business and residential applications mean that each design is tailor-made for that application; consequently the company wanted to introduce a safer and more accurate 3D CAD system for reducing the lengthy design-to-order process, thus speeding customer response times.

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Åhmans had originally used their own custom-built 2D CAD design program to facilitate the design of residential elevator cars but the updating of this software, which was developed in the 1990s, became increasingly unviable.

The package of TactonWorks for SolidWorks and Tacton Configurator Studio will provide Åhmans design team with a professional 3D CAD system enabling them to provide individually configured and highly detailed designs and quotations for customer presentation and order processing.

The flexibility of the TactonWorks program will allow the team to tackle both day-to-day tasks and complex designs and orders by automating the process from the start, and then making manual changes as necessary in SolidWorks. Previously, SolidWorks programming was reserved for only the most complex tasks.

"The incorporation of these programs will enhance both our sales and order processing capabilities," says Bartek Brejski, Project Manager for Åhmans AB. "Now we can respond to customer inquiries with a real 3D model because it's so easy to define an elevator car in SolidWorks with the help of TactonWorks. If you just show a customer a bunch of 2D drawings, it doesn't really tell the full story."

"We are delighted to be supporting Åhmans, allowing us to demonstrate again how TactonWorks can bring new efficiencies to the design and production of even one-off products," says Christer Wallberg, CEO, Tacton Systems.

## About Tacton Systems

Tacton is a global vendor of sales configuration software and services, with channel partners around the world. Tacton Configurator Solution enables effective selling of customized products whether online or from a PC at the point of sale. Tacton Configurator can be tightly integrated with any existing system and has standard integrations with leading e-Commerce, ERP, CRM, PLM and CAD systems. Tacton's solutions are used by customers including GE Healthcare, Ericsson, ABB, Pentair Water, Hoffman Enclosures, ASSA ABLOY, Mod-Pac, FläktWoods and Albany Door Systems. For more information: <http://www.tacton.com/>

## About Åhmans i Åhus AB

Åhmans i Åhus AB is a leading independent supplier of elevator and car linings. The company, which was originally founded in 1860, has been specialising in elevator cars since the 1920s. The company has 35 employees and a turnover in 2006 of 40 MSEK. For more information: <http://www.ahmans.se/>

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## Product News

### *Agilent Technologies Announces Productivity Breakthroughs with Advanced Design System 2008 EDA Software*

13 November 2007

Agilent Technologies Inc. announced Advanced Design System release 2008. Advanced Design System (ADS) is an industry-leading high-frequency, high-speed electronic design automation (EDA) software platform. This release contains productivity breakthroughs for faster communications product design.

"Working closely with our top customers, we've enhanced this ADS release with user interface and technology improvements that speed the design process," said Jim McGillivray, general manager of

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Agilent's EEs of EDA division. "In 2008, I am challenging my development team to double customer productivity for a comprehensive set of typical design tasks, which we'll publish and track on our Web site."

Advanced Design System 2008's advanced, graphical user interface enhancements come from the same interface development platform used by the most popular Internet software tools and search engines, and contain advanced search and context-dependent features. The speed improvements gained from this new interface help make software-tools integration seamless for common and emerging design applications.

Speed and productivity enhancements include:

- improved project management, real-time zoom and pan, interactive 3-D layout viewing, stretching, and cut planes;
- improved LVS (layout vs. schematic) design synchronization, providing full control over the automation to guarantee the correct layout;
- updated design rule checking and fast, accurate artwork export/import for a smoother transition from design to production;
- full 3-D electromagnetic integration into ADS, for designers who increasingly need electromagnetic analysis for complete communications product design. The integrated Electromagnetic Design System also contains a faster bond wire drawing interface;
- the latest multi-processor computing, including support for today's 64-bit processors; and
- faster high-frequency Transient simulations, providing average speed improvements of up to 6x for large circuits.

Because high-speed digital designers are now facing the same physical design challenges that Agilent's EDA design tools have addressed for RF and microwave design, Advanced Design System 2008 features full support for high-speed, gigabit link (signal integrity) design, including advanced bit error rate measurement and analysis.

This is first in a series of four ADS releases expected in 2008. By the end of the year, Agilent plans to double productivity for common design and simulation tasks compared with previous versions of ADS.

For more information about ADS 2008, visit <http://www.agilent.com/find/eesof-ads-product-2008-new>.

To request a demo of ADS 2008, visit <http://www.agilent.com/find/eesof-ads2008-demo-pr>.

## **U.S. Pricing and Availability**

Agilent's ADS 2008 is expected to be available for download in January 2008, with prices starting at approximately \$10,000.

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## ***Altera and Synopsys Collaborate to Make Nios II Processor Core Available for ASIC Designs***

13 November 2007

Altera Corporation and [Synopsys, Inc.](#), announced that Altera's popular Nios® II processor core will be available for licensing through Synopsys' DesignWare® Star IP Program. Expanding on Altera's existing FPGA and HardCopy® structured ASIC product deployment options, this new offering enables

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Nios II users to migrate their designs to standard cell ASICs. The Nios II processor core is the most widely used FPGA-based processor, with more than 5,000 electronics manufacturers—including the world's top electronics OEMs—in the customer base.

“We have been deploying products based on the Nios II processor core in ASIC forms for several years,” said Eric Lu, chairman of Lionic Corporation. “We welcome the new offering from Altera and Synopsys, because the combination of an ASIC-optimized Nios II processor core, all the supporting DesignWare IP, and the best-in-class design and simulation tools from Synopsys will help ensure quality and the shortest time to market.”

“We have used Altera's Nios II processor core in a number of projects targeting FPGA devices,” said Karlheinz Ronge, head of department, IC design digital systems at Fraunhofer Institute Integrated Circuits, Erlangen, Germany. “Having an option to use the Nios II processor core for standard cell ASICs through Synopsys, in addition to FPGAs and structured ASICs, will allow us to broaden our usage of this powerful and flexible processor core for high-volume applications.”

The DesignWare Star IP program provides designers access to high-performance, high-value processor and DSP cores developed by leading Star IP providers. Utilizing its core competencies in design-for-reuse, intellectual property (IP) packaging methodologies and design flows, Synopsys will provide a configurable, fully synthesizable version of the Nios II processor core optimized for ASIC implementation. Designers will be able to use the core in the foundry and process technology of their choice. By combining this reusable core with Synopsys' leading portfolio of tools, support, design services and additional key system-on-chip IP building blocks, Synopsys offers designers a robust solution for realizing their Nios II processor-based ASICs and ASSPs.

“As the Nios II processor core is the most widely used FPGA-based processor, we continue to see a growing demand from our customers to expand their silicon deployment options,” said Chris Balough, Altera's director of software and embedded marketing. “The partnering of our versatile Nios II processor core with Synopsys' strengths in ASIC IP and design makes for a strong solution to meet our customers' needs.”

“The collaboration between [Altera](#) and Synopsys to include the Nios II processor core in the DesignWare Star IP program extends availability of the core to a broad set of ASIC customers and applications,” said John Koeter, senior director of marketing for IP and services at Synopsys. “Designers can now take advantage of the Nios II configurability and scalability in their industry-standard ASIC design flow and turn to Synopsys as a single source for their ASIC IP, support and services needs.”

## **Availability**

The synthesizable version of the Nios II processor core is expected to be available from Synopsys in the first quarter of 2008.

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## ***Apps Associates Teams with Oracle to Deliver a Solution for Enterprise Report Management***

November 13, 2007

Apps Associates today announced the release of a new product called Report Lifecycle Management Solution (RLMS) which combines the power of Oracle® Content Database, Oracle Secure Enterprise Search and custom components to simplify the process of enterprise report management. Reports can be automatically imported from anywhere in the enterprise into a centralized repository – an Oracle

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database – and managed via a simple web user interface. The integration to Oracle Secure Enterprise Search enables customers to search across the enterprise from the same user interface, giving them the benefit of quickly locating additional content related to the reports they are interested in. The solution provides tools for versioning, archival, workflow, approvals, and auditing that facilitate the achievement of regulatory compliance objectives and make it possible to automate business processes relevant to enterprise report management.

Customers that have selected the joint solution, such as Siemens Water Technologies Corporation, are looking forward to facilitating the flow of critical information across the enterprise.

"The combination of Report Lifecycle Management Solution and Oracle Secure Enterprise Search delivers a comprehensive platform for users to securely access report content generated anywhere in the enterprise from a single user interface that is accessible via the web. RLMS will streamline the flow of information in the enterprise by automating the import of reports from various sources in our organization and making it easy to disseminate the right information to the right recipients," according to Mark Ridgley, VP Information Services, Siemens Water Technologies Corp.

Ajay Kapur, Principal, Apps Associates said that the relationship with Oracle has empowered Apps Associates with leading-edge technology to build a product that they hope will quickly become a market leader in the field of enterprise report management. "Through our work with Oracle, Apps Associates is able to leverage the benefits of a number of renowned Oracle products, including Oracle Secure Enterprise Search, by embedding them within RLMS. This has made it possible for us to provide our customers with a report management product built upon proven technology and bring it to market at a significantly faster schedule," said Ajay Kapur.

For a demo of RLMS, please visit the Oracle demo grounds or the Apps Associates booth (booth # 3633) at Oracle OpenWorld 2007. You can also visit the Apps Associates web site ([www.appsassociates.com](http://www.appsassociates.com)) for more information. Apps Associates is a Certified Partner of the Oracle PartnerNetwork.

## **About the Oracle PartnerNetwork**

Oracle PartnerNetwork is a global business network of more than 19,500 companies who deliver innovative software solutions based on Oracle software. Through access to Oracle's premier products, education, technical services, marketing and sales support, the Oracle PartnerNetwork program provides partners with the resources they need to be successful in today's global economy. Oracle partners are able to offer their customers leading-edge solutions backed by Oracle's position as the world's largest enterprise software company. Partners who are able to demonstrate superior product knowledge, technical expertise and a commitment to doing business with Oracle qualify for the Certified Partner levels. <http://oraclepartnernetwork.oracle.com/>

## **About Apps Associates**

Apps Associates specializes in Managed Services, Business Intelligence and Product Development for Enterprise Report Management. Recognized as one of the fastest growing private companies in America by Inc.com, Apps Associates has its head quarters in Westford, MA, its Global Development Center in Hyderabad, India and an Operations office in Germany. Founded in 2002 with a mission of delivering robust and cost effective solutions to enterprises and thereby adding value to its customers in meeting their business goals, Apps Associates provides services in Oracle Applications development, Database administration, Microsoft .NET development, and Business Intelligence services including Analysis services, Integration Services and Reporting Services. For more information, please visit

<http://www.appsassociates.com/>

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## ***Cadence Announces New RF Technology to Ease Design of Nanometer Wireless Chips***

12 November 2007

Cadence Design Systems, Inc. introduced Cadence® Virtuoso® Passive Component Designer, a complete flow for the design, analysis and modeling of inductors, transformers and transmission lines. The new technology puts passive component design into the hands of analog and RF designers developing fast and complex wireless SoCs and RFICs. Starting from design specifications such as inductance, quality factor and frequency, the Virtuoso Passive Component Designer helps designers automatically generate the optimum inductive device for their specific application and process technology, resulting in higher performance and smaller area. A built-in accurate 3D full wave solver verifies the generated devices, eliminating the need for a dedicated inductor characterization run and reducing the design turnaround time.

Virtuoso Passive Component Designer is optimized for 90- and 65-nanometer process nodes, supporting advanced design rules and CMP constraints such as dummy metal fills and slotting. In addition to the wide variety of supported inductor and transformer geometries, it allows the design teams to define their own custom geometries graphically or manually using parameterized cells, or Pcells.

"Inductors and transformers are critical components in our high frequency integrated circuit. They have high impact on chip area and performance," said Hisaharu Miwa, general manager of the Design Technology Division, Renesas Technology Corp. "Our goal is to improve design productivity by considering the impact of inductors and transformers from the early design stages. We use Virtuoso Passive Component Designer because it addresses these challenges. Virtuoso Passive Component Designer provides an easy way to model and generate PDK components due to its integration in Virtuoso custom design platform and its accurate built-in electromagnetic solver."

Virtuoso Passive Component Designer does not require electromagnetic expertise. The output is a complete process design kit component with a symbol, schematic, layout and a simulation model. The built-in modeling capability converts S-parameter files into physical lumped element models, ready for RF analysis using Virtuoso Spectre® Circuit Simulator XL. The new Cadence technology also includes a fast and accurate coupling analysis capability enabling designers to optimize the placement of inductors and transformers on the layout resulting in smaller silicon area and higher yield.

"We immediately improved the frequency accuracy of our VCO designs to 0.9 to 1.9% once we adopted the [Cadence](#) RF Design Methodology Kit and began to use Virtuoso Passive Component Designer to accurately synthesize and model our inductors and transformers," said Dr. Aleksander Dec, vice president and co-founder, Epoch Microelectronics, Inc. "The combination of detailed inductor models from Virtuoso Passive Component Designer and accurate RLCK extracted views from QRC extraction enabled accurate full-chip sign-off. This represented a huge savings in both time and cost."

Virtuoso Passive Component Designer is tightly integrated into the Cadence Virtuoso custom design platform. The new technology is a component of Virtuoso Multi-Mode Simulation technology and follows the same flexible licensing scheme.

"The evolution of cellular phones and portable devices presents great challenges for analog and RF IC designers," said Srinivas Raman, corporate vice president, Virtuoso Custom IC R&D. "More and more

## CIMdata PLM Industry Summary

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complex analog and RF circuits need to fit in the same small lightweight handset, consume the same amount of battery power, and be produced with the same low cost of a single-band handset of the 1990s. Using the Virtuoso Passive Component Designer, analog and RF design teams can quickly create accurate passive components that meet design specifications, consume lower power and fit in smaller areas than pre-designed one-size-fits-all components."

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### ***Computer Aided Technology, Inc. and Seemage Formally Announce Strategic Alliance***

8 November 2007

Computer Aided Technology, Inc. (CATI) and Seemage strengthen their partnership in an effort to assist CATI customers revolutionize the reuse of 3D data and bring Seemage to the market.

Seemage allows users to create and maintain content for product documentation. By reusing SolidWorks models and other digital product data, Seemage produces product deliverables such as manufacturing procedures, assembly manuals, product instructions, technical illustrations, training manuals, sales & marketing documents, etc.

Seemage, recently acquired by Dassault Systemes and subsequently incorporated into the 3DVIA brand, has partnered with CATI since 2006.

CATI and Seemage personnel channeled combined efforts to introduce this technology to CATI customers in need of a system to create and maintain product documentation. The result was a number of events held in April entitled "Beyond 3D." In response to the overwhelming interest, the teams collaborated again to create an accessible webcast called "Unleashing 3D" hosted in August which drew almost 200 attendees.

Sentry Equipment Corp., a leading manufacturer of sampling equipment and systems, recently brought Seemage into Sentry's tool chest of technology solutions. Steve Howe, a Product Engineer, explains, "Seemage was chosen because our marketing and sales team required engineering data but do not know CAD. With Seemage, these folks can utilize engineering data effectively for brochures, website animations and tech pubs. I can depend on CATI's ability to scan the market for technology solutions that can help us solve real problems."

CATI President, Rich Werneth, echoed the ongoing commitment of CATI to deliver innovative technologies to its customer base. "Seemage is the nonpareil of technical publications and is a critical tool enabling our customers to move beyond 3D. Seemage has been a great partner to CATI and our customers. We look forward to expanding our relationship with 3DVIA as part of the Dassault family."

CATI and 3DVIA will jointly host a Seemage webcast and a subsequent Seemage hands-on session next week. To register for the webcast (Nov 14th at 1 pm) or hands-on session (Nov 16th at 8:30 am and also at 12:30 pm) email us at [cati@cati.com](mailto:cati@cati.com). To view the August recorded session, visit <http://www.meetingbridge.com/seminar/registration.aspx?sessioncd=293816376>. For additional information about Seemage visit <http://www.3dmojo.com/>

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### ***First Storm Sewer Network Design and Modeling Solution to Offer Multiplatform***

November 14, 2007

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[Bentley Systems, Incorporated](#) has begun shipping StormCAD V8 XM Edition, an easy-to-use storm sewer network design and modeling solution that is the first to offer multiplatform interoperability. StormCAD was identified as the No. 1 hydraulic modeling solution for stormwater networks in a recent national survey.

The new StormCAD release provides multiplatform interoperability across MicroStation, AutoCAD, and stand-alone environments. This means users can now build, edit, run, and analyze StormCAD models directly inside MicroStation, the platform used by 47 of the 50 U.S. state departments of transportation and the U.S. Federal Highway Administration. In addition, they can use StormCAD for AutoCAD, with support for the recently released AutoCAD 2008, or StormCAD's easy-to-use stand-alone environment.

Said Todd Nochomson, CAD systems manager at Miller Legg, which participated in the early adopter program for StormCAD V8 XM Edition, "We recognize that the entire industry is moving towards interoperable analysis and civil design models, and the new StormCAD is a perfect implementation of this trend. A great example is the new support for the industry-standard LandXML format, which allows us to transparently share our hydraulic and civil design models regardless of the vendor we choose for each discipline."

Added Kelly Lee, project engineer at Miller Legg, "Bentley is keeping up with market and technology trends with the new StormCAD. The new stand-alone interface not only looks great, but it's also very easy to learn and use. From navigating the model with the new dynamic zooming to the flexible new profiling features, the new tools in StormCAD are already making us more productive in our everyday storm sewer design projects."

StormCAD V8 XM Edition shares the innovative water solutions technologies that users of Bentley's CivilStorm, SewerGEMS, WaterCAD, and WaterGEMS already enjoy, and that resulted in WaterGEMS' People's Choice Award win at last year's AWWA Annual Conference and Exposition. For example, its all-new stand-alone interface comes with dozens of new productivity tools designed to simplify workflows and make storm sewer network design easier than ever.

Additional new features of StormCAD V8 XM, highlighted by interoperability and ease of use, include:

- Active topology alternatives - Users can now set up different scenarios to examine multiple proposed system expansion strategies.
- LandXML import/export - The new StormCAD facilitates sharing storm sewer pipe network information with other LandXML-compatible civil design packages.
- Support for prismatic open channels - New modeling elements include trapezoidal channels, rectangular channels, and irregular (user-defined) channels.
- Terrain elevation extraction - Automatically assign node elevations based on elevation data from DXF files, Shapefiles, or LandXML files.
- Time of concentration calculator - Support for several time of concentration methods including SCS Lag, TR-55, Kirpich, and Eagleson.
- Scaled catchments, gutters, and diversions - These elements can now be drawn directly and to scale for a better graphical representation of the system.
- Inlet capacity curves - Model any type of inlet by entering a "gutter depth vs. flow captured" curve or "flow to inlet vs. flow captured" curve.

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- User-defined flow-headloss curves - Model complex elements such as vortex regulators by entering a user-defined flow-headloss curve.
- Contours - Quickly create a contour plot of model input or results and export these directly to MicroStation, AutoCAD, or DXF format.
- Customization using WaterObjects.NET - Customize and extend StormCAD using the WaterObjects.NET application programming interface.

StormCAD V8 XM Edition is immediately available to all Bentley SELECT subscribers. For more information on StormCAD V8 XM Edition, please visit <http://www.bentley.com/en-US/Products/StormCAD/Whats-new.htm>.

## **About the Water Resources Modeling Software Survey**

This national survey was commissioned by Bentley and conducted across the readership of CE News' Civil Connection, a leading civil engineering newsletter published by ZweigWhite. The survey asked licensed civil engineering professionals employed by leading consulting engineering, survey, and construction firms and key public works departments, utilities, and municipalities about their software preferences in seven categories of water resources modeling software. Bentley solutions claimed the No. 1 position - receiving up to more than three times the top responses of the closest competing products - in the following five categories: water distribution, transient analysis, wastewater conveyance, stormwater networks, and general hydraulics.

To view the complete survey results and learn about special promotional discounts Bentley is offering to celebrate its recognition as the No. 1 provider of water resources modeling software, visit <http://www.cenews.com/bentleysystems>.

## **About Miller Legg**

Miller Legg is a statewide award-winning consulting firm headquartered in Pembroke Pines, Broward County, Florida. The 42-year-old firm brings together the elements of engineering, planning, landscape architecture and urban design, surveying, environmental wetlands consulting, environmental engineering and G.I.S. services. This offers its clients a firm of seasoned professionals who are leaders in the Florida consulting industry. For more information, visit <http://www.millerlegg.com/about.asp>.

## **About Bentley**

Bentley Systems, Incorporated provides software for the lifecycle of the world's infrastructure. The company's comprehensive portfolio for the building, plant, civil, and geospatial verticals spans architecture, engineering, construction (AEC) and operations. With revenues now surpassing \$400 million annually, and more than 2400 colleagues globally, Bentley is the leading provider of AEC software to the Engineering News-Record Top Design Firms and major owner-operators, and was named the world's No. 2 provider of GIS/geospatial software solutions in a recent Daratech research study.

To receive Bentley press releases as they are issued, visit <http://www.bentley.com/bentleywire>. For more information, visit <http://www.bentley.com/>. To view a copy of Bentley's April 2007 Annual Report online, go to <http://www.bentley.com/April2007annualreport>.

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***Game Artists & Designers Deliver New Games Quicker with Virtools' Solutions for "PSPTM"***

# CIMdata PLM Industry Summary

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*(PlayStation®Portable)*

November 15, 2007

[Dassault Systèmes](#) (DS), a world leader in 3D and Product Lifecycle Management (PLM) solutions, today announced the release of its [Virtools System](#) upgrade for "PSPTM" (PlayStation®Portable). With the revamped solution, game artists and designers can create, test, validate and produce high-quality games in record time.

"With Virtools Solutions for "PSPTM" at the core of Virtools' authoring platform, developers are able to focus on game play and optimization," says Virgile Delporte, Virtools VP electronic entertainment, 3DVIA, Dassault Systèmes. "Game developers can therefore validate the game design decisions much faster and enhance their development process for developing games with great graphics and cutting-edge interactivity."

The Virtools 4 platform has been fully optimized to leverage the power of "PSPTM" through a written-from-scratch "PSPTM" System Virtools player and a new visual interface (see screenshot below) that manages communication with the system. This puts the power of Virtools technology into the hands of development teams while also simplifying data conversion and overall optimization. Most of the standard PC Building Blocks are ported to "PSPTM" system, and some custom Building Blocks are available to directly communicate with "PSPTM" system.

Now two new Virtools solutions are available to address "PSPTM" system game development:

- The prototyping solution is ideal to test new game play ideas, visual quality target and pad controls directly on the target platform, accessible to game designers and technical artists;
- The full production solution comes with extra source code allowing programmers to optimize and add their own code to match their specific needs; this solution, which comes with advanced support, is ideal to ship a high quality game in record time.
- Both solutions are easily accessible thanks to the powerful visual interface, which simplifies the exporting process from the PC to "PSPTM" system.

Virtools game clients include major game studios such as Electronic Arts, Remedy, Nickelodeon, Sony Computer Entertainment Worldwide Studios, Microsoft, Dreamcatcher, Warner Bros Online and Ubisoft, etc. Virtools is a licensee of Sony Computer Entertainment Inc's Tools and Middleware Licensing program. For more information, visit <http://www.virtools.com/>.

## **About 3DVIA**

3DVIA is Dassault Systèmes' brand for online 3D lifelike experiences. It establishes 3D as a mass media for consumer and professional communities, and allows anyone to imagine, play, and experience consumer products and services used in our daily lives through online services. Once perfected in the virtual world, they can be optimized as such in the physical world. The Virtools product line is part of 3DVIA. For more information about 3DVIA, go to: <http://www.3dvia.com/>

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## **hyperMILL® millTURN: The milling and turning module for hyperMILL® V9.6**

31 July 2007

With the release of hyperMILL® V9.6, OPEN MIND Technologies AG is presents an integrated milling

and turning module for its CAM system. hyperMILL® millTurn facilitates complete workpiece machining on mill/turn machines with all milling and turning strategies being provided in a single CAM user interface.

hyperMILL's comprehensive range of 2D, 3D, HSC and 5-axis machining strategies is being joined by a set of turning strategies courtesy of the new millTURN module – all within the same intuitive user interface. OPEN MIND's CAM solution has become a powerful programming platform for today's cutting-edge mill/turn machines. Users can generate all their milling and turning jobs within one unified CAM application, and the machining operations only need a single set-up.

More and more manufacturers from the mechanical and tool engineering sector, the aerospace industry and the medical components sector are investing in mill/turn machines. For them, the new technology offers clear advantages. Using mill/turn machines for complete machining results in shorter machining cycles, greater accuracy, greater machining efficiency and reduced set-up times – in short, it lowers production costs.

### **millTURN: Complete machining for all milling and turning jobs**

Programming ease and process reliability are assured by a uniform user interface for all milling and turning tasks, shared stock management, a tool database, simulation and a powerful post-processor. The integration of the solution offers a number of advantages:

- All turning and milling cycles can be freely combined.
- Stock tracking is carried out over all turning and milling cycles.
- Turning, milling and drilling tools are managed in a shared database. Blade and holder geometries are fully programmable.
- Collision checking is carried out during all machining cycles and for the whole workpiece.
- A postprocessor individually adapted to machines, controllers and components generates the NC codes for all turning and milling jobs.

hyperMILL's standardised operation philosophy means that the system is simple to learn and operate. With the wide range of turning and milling strategies available, users are able to program very flexibly – right up to complex 5-axis tasks. The new millTURN module included with hyperMILL Version 9.6 offers machining strategies for turn roughing, turn finishing, grooving and thread turning.

Additional information is available from <http://www.openmind-tech.com/>.

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### ***hyperMILL® V9.6: Efficient Milling and Turning in One Application***

17 September 2007

The new Version 9.6 of OPEN MIND Technologies AG's comprehensive hyperMILL® CAM solution now offers even more efficient CNC machining. The integrated hyperMILL® millTURN milling and turning module extends the range of machining strategies so that turning strategies are now also available for complete machining on milling and turning machines in addition to the existing 2D, 3D, HSC and 5-axis strategies. A range of new functions has also been added such as active collision avoidance during roughing, convenient complete finishing and workspace monitoring.

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The new version hyperMILL® V9.6 from OPEN MIND Technologies AG is a real highlight for complete machining in a single set-up due to the new hyperMILL® millTURN milling and turning module.

## **Milling and turning with just one program**

The advantages of modern milling and turning machines, such as machining in a single set-up with a high degree of accuracy and reduced set-up times, are used easily and efficiently with this new module. Because the milling and turning module is integrated in hyperMILL® V9.6, users can switch between turning and milling strategies at any time while they are programming and they can also generate NC programs easily. The automatic stock tracking and stock management, the tool database and collision control are available for all the turning and milling strategies. A mill/turn postprocessor ensures that a complete NC file is output.

## **Complete finishing for slope-dependent finishing**

The complete finishing milling strategy is optimally suited to machining flat and steep areas in a single operation. All users need to do is specify a slope angle at the point where the machining passes from flat to steep areas. By entering a clearance area for the tool, the smoothest approach and retract strategy is automatically calculated for the approach and retract points. This means that users no longer need to choose between different strategies.

## **Automatic pocket feature recognition**

hyperMILL® V9.6 automatically analyses either the entire component or defined areas and recognises all the pockets such as open or closed pockets, pockets with and without islands, planar bottom or rounded corners, etc. These can be combined into groups of pockets of the same size, for example, and sorted according to tool position. hyperMILL®'s macro technology can be used to generate automated machining steps.

## **Active collision avoidance during roughing**

hyperMILL® V9.6 provides active collision avoidance due to its stock tracking: if the shank or holder is set to collide with the current stock during roughing, hyperMILL® moves the tool path laterally. This allows greater machining depths to be attained with short tool distances.

## **Reliable workspace monitoring**

hyperMILL®'s machine and material removal simulation makes it possible to monitor the workspace. A check is made using the stored machine model to see whether the machining job can be completed within the planned machine's workspace or whether limit switches will be traversed. At the same time users can specifically check for potential collisions by looking at the workpiece, holder, set-up and machine movements. Potential collisions are displayed in colour and the relevant program locations are saved in a list.

Additional information is available at <http://www.openmind-tech.com/>.

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***Informative Graphics Announces Integrated Redaction Software For Microsoft SharePoint***

November 14, 2007

[Informative Graphics Corporation](#) (IGC), a leader in content visualization, collaboration, secure

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publishing and redaction technology announced the beta release of its [Redact-It™](#) Enterprise Server software for Microsoft® SharePoint® portal server. Redact-It removes sensitive content and privacy information like social security numbers, names and phone numbers before making documents available to a wider audience.

Redact-It Enterprise offers redaction of document, imaging and PDF files as part of a business workflow or on an ad hoc basis. Users can automatically redact patterns (like social security or phone numbers), all versions of a person's name or a word or phrase (or list of words/phrases). For example, Redact-It can be used to remove privacy information from personal records, including healthcare and immunization records, loan applications, public records and corporate documents under e-discovery. Or users can apply zone-based redactions to standard forms.

Redact-It creates a redacted version of the file as PDF, TIFF or secure CSF, leaving the source file untouched. Hidden document metadata and the redacted content is completely removed in the redacted version, making the sensitive or privacy information irretrievable. Users can interactively select an individual file from a SharePoint Document Library to redact or automatically redact all documents as they are uploaded into specified Document Libraries. The integration is administered via feature methods in MOSS 2007 on a per site basis.

“Removing sensitive information or privacy information is critically important for many organizations because of liability risks and the requirements to protect individual rights,” said Gary Heath, President and CEO of IGC. “Redact-It delivers an elegantly integrated, server-based solution for redacting documents shared though SharePoint Document Libraries.”

The official product release is planned for early next year. Redact-It Enterprise is part of IGC's Redact-It product line, which also includes redaction for Kofax® Ascent Capture® for automated redaction of legacy and scanned documents.

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## ***IronCAD, LLC Releases IRONCAD Version 10***

12 November 2007

IronCAD, LLC announced the release of IRONCAD Version 10. A provider of 3D design productivity solutions, IronCAD's latest software release combines history-based parametrics and direct geometry manipulation into a modeling system that gives users greater design freedom. Among the list of improvements and new features in IRONCAD Version 10 are major improvements to large assembly performance in 3D and 2D, a redesigned interface, updated capabilities for advanced rendering and more.

### **Performance and Interface**

Improvements have been made to visualization, specifically large assembly interaction, with the aid of HOOPS® technology from Tech Soft 3D. As a result, 3D rotation and camera selection in IRONCAD has improved real-time interaction by taking advantage of the latest OpenGL and Direct3D graphics drivers. HOOPS also allows IRONCAD to perform Quick Visual Loading, a feature where users can manipulate camera tools and interact with a model as it loads by using a multi-threaded load process. This means designers and engineers can set specific camera angles before working on a model. Two-dimensional technical drawing views benefit from HOOPS integration too. IRONCAD Version 10 can create 2D views from 3D models up to 10 times faster than previous releases, especially when working

with large assemblies.

Complementing performance enhancements is IRONCAD's updated interface, which is designed to give more fluid navigation through the design environment. The new Quick Access Property Browser enables engineers to access property information and commands pertaining to selected geometry at any time. Changing the selection level of the geometry changes the contents of the Quick Access Property Browser. Because only relevant information is displayed, users spend less time searching through menus, toolbars, and dialogs. This reduces IRONCAD's learning curve by making it easy to discern the next design step.

## **Visualization and Communication**

IRONCAD Version 10 also incorporates a new realistic rendering engine. It will be added to IRONCAD's existing rendering modes, allowing engineers and designers to produce photo-realistic visuals. Users will have precise control of their 3D environment with advanced options like Global Illumination, Radiosity, Caustics and more. This new rendering engine also supports High Dynamic Range Imaging (HDRI) Environment Maps, which can dramatically improve renderings by producing more realistic reflections and lighting effects. These new capabilities allow customers to produce photo-realistic concepts and documentation for use in presentations or standard communication to customers.

Users can also take advantage of 3D PDFs with a new export option to create Adobe Acrobat 3D PDF files. Three-dimensional PDF files enable users to collaborate in 3D, regardless of what CAD system they operate, facilitating open communication that leads to better engineering productivity by sharing Adobe PDF files containing precise geometry and product manufacturing information.

## **General 2D and 3D Environment**

New features to IRONCAD's 2D sketching environment include additional constraint options that allow engineers and designers the ability to exercise more control over geometry. Coincident, fixed and Smart Constraints are some of the new options available. Smart Constraints automatically place common constraints on elements like Chamfers, Fillets, Polygons, Rectangles, and Parallelograms, along with Tangent Geometry. And as constraints are added, IronCAD will display an element's constraint status based on the degrees of freedom within a sketch. Depending on constraint status, a sketch element will either be red (over defined), white (under defined), or green (well defined).

These three status markers help engineers anticipate how constrained sketches will react to changes in geometry. Additional sketch enhancements include Reference Snapping, a new feature that allows users to reference 3D geometry on a 2D sketch plane without having to project 3D edges. This works by placing the mouse cursor over a 3D element. By keeping the cursor over the 3D element momentarily, a reference indicator for the element appears on the sketch plane. Indicators created in this manner can be used by SmartSnap to align elements in the 2D plane.

In addition to sketch environment enhancements, updates to the 3D environment, like collision detection, have been added based on customer feedback. Collision detection works in IRONCAD's Mechanism Mode to detect collisions between user-specified components, or between all components in the scene. Once a collision occurs, its area is highlighted. Additional actions that can execute on a collision include stopping object motion or playing a sound, making it easy for users to identify unexpected problems in a model.

## **Interoperability**

IRONCAD Version 10 will support import and export of Granite 4.0, Wildfire 3.0, Parasolid 19 and

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ACIS 17. Add-on translation enhancements include new import and export options for Unigraphics version 11-18 and NX1-NX4. In addition, all of IronCAD's standard translator formats have been updated to the latest updated version Spatial's Interop translators.

"IRONCAD Version 10 is full of content our users have been asking for since the release of Version 9," says Cary O'Connor, IronCAD's Marketing Director, "We take customer feedback seriously, but also take the time to consider new, unexplored areas into where we can develop the software. At IronCAD, we're always looking for new ways to make an engineer's job easier and more productive. Version 10 empowers users with a host of new features and functionality, from the Quick Visual Loading to the Quick Access Property Browser. This version will continue to lead our customers into a more productive environment that will help them achieve success," he continued.

IRONCAD Version 10 is now available worldwide for purchase. For more information, visit <http://www.ironcad.com/product>.

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## ***KOMPAS-3D V9 LT for Mechanical CAD is now available online for FREE***

November 14, 2007

[ASCONE Group](#), developer and vendor of CAD/CAPP/PDM Solutions, is glad to present its flagship considerably improved product for Mechanical Computer-Aided Design KOMPAS-3D V9 in Demo, Light and Viewer mode.

KOMPAS-3D LT V9 is a functionally reduced Version of a professional, award-winning KOMPAS solution. KOMPAS-3D LT perfectly suited for familiarization with 3D Parametric Modelling, 2D Drafting, Design and Release of Documentation. KOMPAS-3D V9 LT contain also 2D drafting and detailing software – KOMPAS-Graphic and interactive learning system KOMPAS-ABC. All the main updates and novelties from KOMPAS-3D V9 professional are included in the KOMPAS-3D LT. You may choose from English, German, French and Czech language versions.

Whatever your industry and experience level KOMPAS-3D V9 LT will allow you to create 3D models of details and to release design documentations, as well as to use a new functional for collaboration work with KOMPAS-documents, to enable using of files of drafts, fragments and details made in the professional version KOMPAS-3D and many others. We highly recommend KOMPAS-3D LT for students and beginners in 3D Design. The main difference of KOMPAS-3D LT from commercial software is that FREE version does not allow 3D assemblies modelling.

Now you are able to download KOMPAS-3D LT version online FREE of charge at <http://ascon.net/download.php>.

KOMPAS-3D V9 Demo demonstrates all of the capabilities of the commercial version: improved parametric 3D Modelling, 2D Drafting and Design, new service functions for users, collaboration tools, as well as 3D model recognition system for elements of a part or assembly imported from other CAD solutions, extended import and export functions, creating BOMS and a wide range of others novelties, but does not allow saving models and assemblies.

KOMPAS-3D V9 Viewer is the utility intended only for viewing and printing of documents and model templates, created in professional solution KOMPAS-3D or KOMPAS-3D LT, just the same opportunity afford this version for files in DXF and DWG formats. The solution provides additional convenience for clients and partners of enterprises using KOMPAS as a basic three-dimensional solid modelling

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system. If you have the installed commercial version, documents can be also open for editing.

If you would like to acquaint yourself with the powerful, cost-effective and easy to learn professional solution for Mechanical CAD KOMPAS-3D V9 in Light, Demo and Viewer mode, you can find it at <http://ascon.net/download.php>, different freeware-sites and also on company's demo disks.

For further information, please, contact us by e-mail [contact@ascon.ru](mailto:contact@ascon.ru) or find your nearest reseller at <http://ascon.net/resellers.php>

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## ***LEDAS Delivers ENOVIA SmarTeam in Russian for Dassault Systèmes in Record Time with Outstanding Quality***

November 15, 2007

[LEDAS Ltd.](#), an independent provider of software components and services for the Product Lifecycle Management (PLM) market, today announced that its partnership with Dassault Systèmes Russia Corp. and ENOVIA Corp. enabled Dassault Systèmes (DS) to fully localize ENOVIA SmarTeam product data management (PDM) solutions to Russian on time with outstanding end-quality.

"When Dassault Systèmes faced the localization challenge for the Russian market, their main concern was meeting strict quality and schedule requirements," said David Levin, Chief Executive Officer, LEDAS Ltd. "Since ENOVIA SmarTeam is a very technical product, they proceeded very cautiously about selecting the right localization partner – with good knowledge of both English and Russian terminology as well as PDM experience."

"Software product localization is a must-have feature for the success on the Russian PLM market. We understood it when we entered the Russian market with our flagship product brand – CATIA," said Laurent Valroff, Director of Dassault Systèmes Russia Corp. "We took a definitive decision to localize ENOVIA SmarTeam for Russian market in 2007. Having evaluated many vendors, LEDAS Ltd. won our confidence. Their deep technical understanding of PDM concepts and tools, their top-down localization process that enables the reuse of translation memory, and their excellent support and reasonable prices made them the obvious choice for us. The quality, timeliness and efficiency of the work done by LEDAS met the stringent timeline and requirements of Dassault Systèmes from the outset."

The project involved the translation, review and production of more than 300,000 terms in the field of PDM, contained in graphical user interface and online help of ENOVIA SmarTeam product line. In coordination with the Russian office of Dassault Systèmes and the Israeli office of ENOVIA Corp. (a subsidiary of Dassault Systèmes), LEDAS Ltd. played a major role in the management, execution and delivery of the project, which was performed in 12 weeks. "Our managers who speak Russian emphasized the high-quality translation of complex technical terms and concepts made by LEDAS specialists," said Oleg Shilovitsky, Chief Technology Officer, ENOVIA SmarTeam. "LEDAS' excellent work allowed Dassault Systèmes to announce and demonstrate the localized version of ENOVIA SmarTeam at PLM Forum Russia, held in Moscow on October 11, 2007."

### **About ENOVIA SmarTeam**

ENOVIA SmarTeam provides collaborative offerings focused on product development, which support design, engineering and enterprise activities. A unified platform for all ENOVIA SmarTeam products enables collaboration between users representing different areas. Companies can scale up to collaborate

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across global organizations or supply chains, according to their needs. In September the leading PLM analyst CIMdata credited ENOVIA SmarTeam Express with increasing Dassault Systèmes presence in the PLM mid market from 2006 to 2007. Integrated with DS's CATIA PLM Express, ENOVIA SmarTeam Express offers mid-range companies an easy-to-implement collaboration solution that can expand modularly to accommodate their growing PLM needs.

## 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) and ERP (Enterprise Resource Planning): 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 and ERP markets: software development and localization, consulting, reselling as well as education and training. More information about LEDAS is available on the Internet at: <http://www.ledas.com/>.

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## ***Mentor Graphics Announces an Optimized FPGA Design Flow Between Precision Synthesis and MathWorks Simulink HDL Coder***

November 15, 2007

[Mentor Graphics Corporation](#) today announced support for hardware description language (HDL) generated by MathWorks Simulink HDL Coder in the Mentor Graphics Precision® suite of advanced synthesis products. This capability enables mutual customers to transfer VHDL and Verilog generated by Simulink HDL Coder into the Precision Synthesis tool directly to generate an optimized netlist implementation for field programmable gate array (FPGA) designs. All mutual customers using Precision 2006a release or newer with Simulink HDL Coder can benefit from this flow, which will improve the productivity of FPGA design synthesis.

The MathWorks and Mentor Graphics have collaborated on this flow to assure interoperability. Simulink HDL Coder generates bit-true, cycle-accurate, synthesizable Verilog and VHDL code from Simulink models, Embedded MATLAB code, and Stateflow charts.

“Simulink HDL Coder and Precision Synthesis provide a rapid path from Simulink models to FPGA implementation,” said Ken Karnofsky, director of marketing, Signal Processing and Communications for MathWorks. “We are pleased to offer a workflow that leverages the capabilities of Mentor’s advanced FPGA synthesis products.”

“This integrated flow with Simulink HDL Coder and Precision Synthesis benefits our mutual customers,” said Daniel Platzker, product line director of FPGA Synthesis at Mentor Graphics Design Creation and Synthesis division. “Both are industry-leading tools that support a vendor-independent design methodology, and this integrated flow significantly shortens the time-to-market of FPGA designs.”

## **Precision Synthesis: The Centerpiece of Mentor Graphics FPGA Flow**

The Precision Synthesis tool is the industry's most comprehensive vendor-independent solution for FPGA design, and it is the only synthesis tool which offers true push button multi-vendor physical

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synthesis. With comprehensive language support, including SystemVerilog, an advanced ASIC prototyping flow, and automatic incremental synthesis, the Precision Synthesis tool is uniquely suited to handle today's high-end FPGAs designs. The Precision Synthesis tool features award-winning design analysis, allowing designers to cross-probe between multiple views and perform interactive static timing "what-if" analyses. The Precision Synthesis tool reduces design iterations and enables faster, more predictable completion of designs, while delivering a high quality of results.

Precision Synthesis is available at a starting price of \$20,200 (USD). For additional product information, go to the company website: <http://www.mentor.com/fpga> , contact a local Mentor Graphics sales office, or call 1-800-547-3000 for specific product and pricing details.

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## ***Microsoft Adds Four Engineering Software Firms to Growing Oil and Gas Industry High-Performance Computing Partner Ecosystem***

13 November 2007

Four engineering software firms -- Altair Engineering Inc., ANSYS Inc., CD-adapco and Livermore Software Technology Corp. -- have recently converted their engineering software to run on Windows Compute Cluster Server 2003, Microsoft Corp. reported today at the Society of Petroleum Engineers Annual Technical Conference and Exhibition.

Each industry partner will help deliver more accessible high-performance computing (HPC) capabilities to engineers who use computer-aided engineering (CAE). With an easy-to-use, low-cost HPC platform, engineers can create highly detailed virtual prototypes and simulate product design performance. As a result, engineers within drill/platform manufacturers, downhole tool/drill bit manufacturers, and the petrochemical industry will be able to improve computational fluid dynamics (CFD) and design and enhance their equipment and process troubleshooting capabilities.

"It is critical for oil and gas supply companies and their customers to improve product quality and reduce development lead time to remain competitive," said Craig Hodges, U.S. energy industry solutions director at Microsoft. "Companies that develop engineering simulation solutions to run on Windows Compute Cluster Server provide design engineers - even at the department level and from within small and midsize firms - with more accessible HPC to help amplify their impact by empowering them to conduct more accurate simulations to get better products to market faster."

Engineering HPC solutions for small to midsize companies and departments has traditionally been cost prohibitive. However, Windows Compute Cluster Server clusters - which are built to integrate with the firm's existing Windows-based environment - are easy and cost effective to deploy and integrate with existing infrastructures, easy to manage and use, and fast and accurate.

These partners with engineering design software solutions recently converted to run on Windows Compute Cluster Server 2003:

**Altair Engineering** empowers client innovation with a comprehensive, open-systems CAE solution for rapid design exploration and decision-making. RADIOSS, a highly parallelized nonlinear solver within the Altair HyperWorks technology suite, now runs on Windows Compute Cluster Server 2003, allowing customers to simulate complex structural, mechanical and fluid-structure interaction phenomena quickly.

**ANSYS** provides a broad range of solutions widely used by engineers and designers across a broad

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spectrum of industries. For the oil, gas and petrochemical industry, solutions from ANSYS include hydrodynamic, safety and compliance, structural mechanics, and fluid mechanics. ANSYS Workbench provides a common platform for fast, efficient and cost-effective product development, from design concept to final-stage testing and validation. Integrated with the Compute Cluster Server Job Scheduler, ANSYS Workbench manages the communications with the Compute Cluster Server cluster. The ANSYS Mechanical, ANSYS Mechanical HPC and FLUENT solutions yield excellent parallel scaling on Windows Compute Cluster Server 2003.

**CD-adapco** is a leading global provider of full-spectrum CAE solutions (software and expert consulting) for fluid flow, heat transfer and stress. Running STAR-CD or STAR-CCM+ on Windows Compute Cluster Server 2003 creates a powerful, accurate, but still easy-to-use automated CFD solution that scales extremely well on Windows Compute Cluster Server clusters.

**Livermore Software Technology** develops LS-DYNA, a general purpose, transient dynamic, finite element analysis program that simulates real- world problems from many industries including oil and gas. LS-DYNA, which was among the first applications to run on Windows Compute Cluster Server, provides engineers with the capability to perform intensive calculations of detailed models at enhanced processing speeds, shortening the amount of time and money spent on design and verification.

The combination of these engineering simulation software solutions with Windows Compute Cluster Server 2003 makes it fast and easy for design engineers to predict and improve the performance of new products or processes, to reduce time to market, and to reduce overall engineering costs.

"More and more, our customers face increasingly tight schedules and budget constraints, and they're demanding that simulation help drive engineering innovation. High-performance computing and our partnership with Microsoft are an essential part of the response to that demand," said Jim Cashman, president and CEO of ANSYS. "Windows Compute Cluster Server makes computing capacity more easily deployable and maintainable, especially for those organizations that want to leverage their existing Windows expertise and infrastructure. We want to put simulation within the reach of every engineer, whether they are solving very large single-discipline problems or complex projects that span the physics spectrum."

In a related announcement today, Microsoft announced it has added three new upstream independent software vendors that deliver reservoir simulation software solutions - Computer Modelling Group Ltd., Roxar and SPT Group - to its growing HPC partner ecosystem. (See the "Microsoft Expands High-Performance Computing Partner Ecosystem With Three New Upstream Oil and Gas Software Vendors" press release at <http://www.microsoft.com/presspass/press/2007/nov07/11-13ThreeNewVendorsPR.mspix>)

Also, in a separate announcement today, Microsoft announced Windows HPC Server 2008, the successor to Windows Compute Cluster Server 2003, which is based on the Windows Server 2008 operating system and designed to increase productivity, scalability and manageability. The beta for Windows HPC Server 2008 is now available for download at <http://www.microsoft.com/hpc>. (See the "Microsoft Unveils Windows HPC Server 2008" press release at <http://www.microsoft.com/presspass/press/2007/nov07/11-13HPCServerBetaPR.mspix>.)

Meeting the challenges of global energy supply and demand depends on integrated business processes, breakthrough innovations and rock-solid business relationships. Together with its partners, Microsoft delivers game- changing solutions that help people in the oil and gas industry make better decisions faster. More information about Microsoft in the oil and gas industry can be found at

<http://www.microsoft.com/oilandgas>. More information about Windows Compute Cluster Server 2003 can be found at <http://www.microsoft.com/hpc>.

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## ***Microsoft Customer Care Framework Helps Companies Redefine Customer Experience***

November 14, 2007

[Microsoft Corp.](#) today announced the availability of [Microsoft Customer Care Framework 2008 \(CCF 2008\)](#), a software product that helps companies improve the quality of their customer interactions by aggregating information from existing business applications into a unified desktop. The latest version provides significant updates to simplifying tasks and workflow processes, integrating customer interaction channels and accelerating the time to market. By implementing CCF 2008, companies can increase operational efficiency and enhance productivity within their customer care environment.

"Customers want prompt, accurate and rich interactions with the companies with which they do business," said David Sliter, general manager of the Industry Solutions Group at Microsoft. "Customer Care Framework 2008 makes it easier for companies to support their customers by automating workflow and integrating it with business processes. With a truly unified view of the customer coupled with application automation, employees are empowered to deliver world-class sales, marketing and service experiences to their customers."

### **Customer Care Framework 2008 Features**

CCF 2008 links a customer service agent's desktop to diverse systems such as customer relationship management, billing, payment, ordering, trouble ticketing and knowledge management. The following new features are included in the latest version:

- Customer self-service portal, now built on Microsoft Office SharePoint Server 2007. Allows customers to manage their accounts, check order status, order goods or services, or address other concerns on their own when it is most convenient for them
- Windows Workflow Foundation. Helps guide agents to interact with different applications and summon the appropriate follow-up actions
- Enterprise single sign-on. Allows agents to access the necessary business systems at startup with a single login
- Interaction server. Integrates a wide range of communication channels, including the customer self-service portal, telephone, e-mail, fax, instant messaging, chat and interactive voice response, to help improve the consistency of customer service interactions
- Hosted application toolkit. Reduces the effort required to integrate applications in CCF via automation between hosted applications
- Installer tools. Automated installation tools hook the right pieces together and help build the customer care system to fit a company's needs
- Security extensions. Provides three authentication scenarios that help provide security protocols across domains

"Organizations today need to respond quickly and efficiently to the diverse needs of their customers,"

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said Mary Wardley, vice president of Enterprise Applications and CRM Software at IDC. "At the same time, companies need quick access to all relevant customer information to assist with sales, marketing and servicing their customers. Customer Care Framework helps address these needs by providing a unified view of the customer."

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## ***New Autodesk Infrastructure Management Solution Helps Electric Utilities Improve Operational Efficiency***

13 November 2007

Autodesk, Inc. announced the availability of Autodesk Topobase Electric software, a new infrastructure management solution designed to help North American electric utilities better manage their transmission and distribution networks, by integrating design and facility asset information. Topobase Electric joins Autodesk's portfolio of utilities solutions, including Topobase Gas, Water and Wastewater, and Autodesk Utility Design.

"Topobase Electric delivers an off-the-shelf, configurable solution that utilities can implement quickly to achieve operational excellence and maximize the value of their data," notes Lisa Campbell, vice president, Autodesk Geospatial. "Now utilities that offer multiple services like electricity, gas, water and wastewater can benefit from a consistent solution for mapping and asset management."

The Topobase Electric technology features data models, business rules and workflows that reflect the electric industry's unique data, process and regulatory standards. The product builds standardization into the asset management process, improving inefficient operations and data quality. For example, Topobase provides unique tools to visualize and manage underground assets, improving the quality of as-built documentation and enabling field workers to understand what is under the ground before they dig. Topobase Electric also keeps track of network connectivity, allowing a maintenance manager to identify and notify customers impacted in advance of a planned event. This built-in industry intelligence enables utilities to realize a more rapid return on investment.

### **Utilities Challenges**

Electric utilities are faced with a growing customer base and an infrastructure network in need of upgrades and expansions. They are challenged with finding ways to work smarter, work faster and maintain assets efficiently. Autodesk Topobase Electric software enables utilities to streamline the business processes associated with managing infrastructure assets and the associated power network. This facility information can then be leveraged across the build, operate and maintain life cycle. With up-to-date, accurate and comprehensive information about the location and status of the infrastructure assets, utilities can improve the productivity of their personnel. Additionally, by streamlining the often time-consuming process of consolidating asset data from across the organization, it is easier for each department to make well-informed decisions.

### **Comprehensive, Flexible Solution**

Over 500 organizations globally have successfully implemented Topobase, including complex multi-utility environments such as the Las Vegas Valley Water District, the City of Augsburg, Germany, and Romande Energie in Switzerland. This new release extends the functionality, usability and industry-specific standards of Topobase to the electric utilities industry.

Topobase Electric is built on AutoCAD Map 3D and Autodesk MapGuide Enterprise software products

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as well as the Oracle Spatial database, and features an open and flexible framework that can easily be integrated with existing business systems, such as SAP, ESRI ArcSDE data server and Hansen Asset Management. Topobase Electric includes Web-based applications that enable remote users, including field crews or external contractors, to manage project workflow, job creation and editing, by giving them visibility into existing infrastructure and new projects via the Web.

## Availability

Autodesk Topobase Electric software will be available in the United States and Canada in late November. Autodesk Utility Design is currently available in the United States and Canada, and Autodesk Topobase Water, Wastewater and Gas modules are currently available in select countries worldwide. For more information, visit: <http://www.autodesk.com/topobase>.

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## ***Open Text's Genio Offering to Strengthen Content and Data Integration***

12 November 2007

Open Text™ announced that its Genio product line will play a significant role in a broader content and data integration strategy and suite of solutions. The focus on content and data integration are key as customers demand more powerful solutions to bridge islands of information and improve access for better decision making, so that customers can gain more value from information throughout the enterprise.

[Open Text](#) is committed to offering leading content and data integration solutions, with plans for a new version of Genio next month. But Genio will also figure prominently into Open Text's plans to strengthen content and data integration technologies into its broader ECM offering. Open Text has been expanding its portfolio of solutions to give customers more powerful ways to manage all business information across systems and departments in large organizations, most recently introducing Open Text Content Services (<http://www.opentext.com/news/pr.html?id=1948>) as part of this strategy.

Genio represents a new generation of content and data integration solutions that transform, cleanse, enrich and direct unstructured and structured information across the entire spectrum of decision support systems and corporate applications, spanning projects that include data warehouses, data marts, mainframe systems, ERP systems, CRM systems, and content management deployments. Genio's ability to exchange information between ERP systems fits well with Open Text's leadership in delivering ECM solutions that manage documents from systems such as SAP through business processes.

"Genio is a crucial application in our information management system," said David Mathieu, CIO of André, a trade name of the Vivarte Group, a leading European clothing and footwear retailer. "We are very pleased with the direction the product is taking under Open Text's leadership and look forward to the evolution of the product to better leverage its capabilities to address our content and data integration challenges."

Genio delivers a rich set of benefits that offers organizations significant and tangible return on investments. Genio was built on the foundation of four key principles of openness, flexibility, ease of use, and reusability, and decouples business processes from the complexity of the IT systems infrastructure, allowing organizations to better execute their agile business practices.

"The volume of data in companies today is exploding and organizations are in constant change with the demands of global competition," said Bill Forquer, Executive Vice President of Marketing at Open Text.

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"Companies need more powerful data integration tools that can help them quickly turn raw data into useful information. For over 10 years, some of the world's largest organizations have been leveraging Genio in mission critical applications. As market needs evolve to address the requirements of a more holistic approach to content and data integration, Genio will be in a leadership position to satisfy the most pressing challenges within these organizations."

Genio will be featured at the ITEC show, December 5-6, 2007 at the COBB Galleria Center in Atlanta, Georgia, where Open Text's Genio representatives will discuss best business practices for content and data integration. For more information visit:

<http://pages.crosstechmedia.com/WebSite/Index.aspx?C=70000087&S=50000092>.

For more information on Genio, go to: <http://connectivity.hummingbird.com/products/nc/genio.html>.

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## ***Oracle Introduces the Application Integration Architecture for SAP Initiative; Enabling SAP Customers to Unify Enterprise Applications***

12 November 2007

Oracle unveiled the Oracle® Application Integration Architecture for SAP initiative, which is intended to extend Oracle's application integration offering to joint Oracle / SAP customers and provide them a standards-based method to unify their enterprise applications and rapidly adopt a Service-Oriented Architecture.

More than 30 percent of SAP customers use Oracle Applications to manage their mission critical processes, and the Oracle Application Integration Architecture for SAP initiative will allow them to build sustainable composite business process across Oracle, SAP and other third-party applications.

The Oracle Application Integration Architecture, which is based on the Oracle Fusion Middleware SOA Suite, provides Enterprise Business Objects and Services to create common business semantics and data attributes that support cross-application integration for key operational processes such as order to cash, new product introduction and general ledger financial consolidation.

Today, Oracle provides a number of pre-built integration packs that help reduce the time and effort associated with integrating its CRM, transportation management and product lifecycle management applications to SAP's legacy ERP applications.

In 2008 Oracle plans to deliver pre-built Process Integration Packs to support key business flows for the consumer packaged goods, process and high-tech manufacturing industries. Examples of the planned Process Integration Packs include product and item mastering, order-to-cash, transportation management and financial consolidation.

## **Extensive Application Integrations Currently Available for Oracle/SAP Customers**

Using Oracle's open, standards-based architecture, the following are examples of the Oracle to SAP pre built integrations currently available, which reduce the time to deploy key cross-application business processes:

- Siebel CRM to SAP
- Agile PLM to SAP
- Hyperion to SAP

- Oracle Utilities to SAP
- Oracle Communications Billing and Revenue Management to SAP
- PeopleSoft HR to SAP

## Supporting Quote

"Oracle and SAP share the same customers, and we are pleased to offer a standards-based approach to building composite applications and pre-built integrations for key industries. Oracle Application Integration Architecture for SAP extends the leadership we've demonstrated in delivering on the promise of a Service Oriented Architecture and re-enforces our commitment to maximizing value from Oracle's existing product lines," said Ed Abbo, Senior Vice President, Applications Development, Oracle.

## Supporting Resources

<http://www.oracle.com/aia>.

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## ***Oracle Previews Oracle® Fusion Middleware 11g***

November 13, 2007

[Oracle](#) today previewed planned features of its next-generation, modern application platform, Oracle® Fusion Middleware 11g. The preview shows tightly integrated Service-Oriented Architecture (SOA), Grid Computing and new Enterprise 2.0 functionality into a single, unified, hot-pluggable and secure platform for building and deploying modern applications. Oracle previewed many of the significant enhancements planned for Oracle Fusion Middleware including new functionality for:

- Oracle SOA Suite
- Oracle WebCenter Suite
- Oracle JDeveloper and the Application Development Framework
- Oracle Application Server
- Oracle Identity Management Suite
- Oracle Enterprise Content Management Suite
- Oracle Business Intelligence Suite and Enterprise Performance Management System
- Oracle Enterprise Manager for Oracle Fusion Middleware

The preview demonstrates deeper integration between the products within the Oracle Fusion Middleware family and enhancements to the common infrastructure shared by those products.

“This planned release of Oracle Fusion Middleware represents a significant opportunity for customers to further unify and secure the applications and processes that support their businesses – while enabling them to drive the next generation of their own SOA, Web 2.0 and integration initiatives,” said Thomas Kurian, senior vice president, Oracle Server Technologies. “Oracle Fusion Middleware will truly transform the way businesses of all sizes create and distribute modern applications.”

## **Tighter Integration Drives Customer Benefits**

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Oracle Fusion Middleware is the industry's most integrated middleware product family, delivering superior benefits to customers and allowing them to increase their capacity for growth and change; improve insight into business operations; mitigate risk and drive compliance; and connect with customers, partners and workers. Based upon current product development plans, Oracle Fusion Middleware 11g would feature tighter integrations across the stack.

## **Key Benefits and Features of Oracle Fusion Middleware 11g**

Based upon current product development plans, Oracle Fusion Middleware 11g would feature customer-driven enhancements across the stack, allowing business to transform their information architecture. Key features previewed today would allow customers to:

- Build on a Modern, Comprehensive Service-Oriented Application Platform
- Develop Richer, Enterprise 2.0 Applications
- Better manage the End-to-End Lifecycle of User Identities

Oracle has already completed four beta testing cycles with customers. With the latest key milestone in the development of Oracle Fusion Middleware 11g, early beta testers are already seeing significant benefits from some of the planned new product functionality and enhanced integration across the products.

"We see an increased demand for AJAX, Web 2.0 functionality, and rich application user experiences," said Kirk Ferguson, Senior IT Manager, Qualcomm. "With the planned Oracle Fusion Middleware 11g components and Web 2.0 features, we will be able to meet that demand. We're very excited to get our hands on Oracle Fusion Middleware 11g."

"Oracle Fusion Middleware 11g provides the foundation for SOA and integration across the board with a full-featured suite that has an Enterprise Service Bus, BPEL Process Manager, Business Rules and Human Workflow all rolled into one platform, with one toolset and integrated end-to-end," said Chris Judson, Chief Architect, E2E Consulting. "Oracle Fusion Middleware 11g is being developed to help us develop solutions faster," said Matt Topper, Strategic Consulting Manager, IT Convergence. "The standards-based SCA architecture for SOA enables us to package up applications and services and easily deploy them across the entire grid architecture. Furthermore, we can rapidly scale those applications with a minimum amount of effort and resources."

"What excites us most about Oracle Fusion Middleware 11g is what we find in Oracle WebCenter Suite," said Jennifer Briscoe, vice president and Chief Software Architect, Collect America. "The planned Web 2.0 features should really give us a productivity gain unlike anything we've seen in the past. The user-centric design empowers business users to make changes themselves rather than having to rely on IT, and that's really exciting."

## **About Oracle Fusion Middleware: Leader in Middleware**

The company's comprehensive, standards-based family of middleware products, Oracle Fusion Middleware software spans portals and process managers to application infrastructure, developer tools, enterprise content management and business intelligence. Oracle Fusion Middleware enables organizations to increase their capacity for growth and change; improve insight into business operations; mitigate risk and drive compliance; and connect with customers, partners, and workers. More than 50,000 customers now use Oracle Fusion Middleware and include leading organizations in the Financial Services, Telecommunications, Manufacturing, Retail, Pharmaceuticals, Health Care and Public Sector

industries. Oracle Fusion Middleware is also supported by 9,000 partners, including market-leading independent software vendors, value added resellers and system integrators. For additional information visit: <http://www.oracle.com/middleware>.

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## ***Oracle Unveils Strategy for Enterprise Product Lifecycle Management; Company Pledges Lifetime Support for Oracle's Agile PLM; Details Plans for Integration***

13 November 2007

Following its acquisition of Agile Software Corporation and continuing its commitment to deliver customers ongoing value from their Oracle investments, Oracle today outlined its strategy for Enterprise Product Lifecycle Management (PLM). Through its "Applications Unlimited" program, Oracle will continue to build customer-driven enhancements and provide lifetime support for Oracle's Agile PLM. Additionally, Oracle plans to leverage the Oracle Application Integration Architecture (AIA) to deliver pre-built, open standards-based integrations between Oracle's Agile PLM and other Oracle® Applications. These integrations incorporate best practices that plan to be leveraged and extended by partners and customers and can be integrated into legacy systems or other applications, such as SAP.

### **Leadership Strategy for Enterprise PLM**

With Oracle's Agile PLM, organizations can leverage all business and technical information related to products, creating a seamless flow of product information throughout the enterprise and across the product network. Relying on Oracle, companies can extend the value of PLM beyond the engineering department while implementing best-practice processes across design, development, manufacturing and product delivery. Oracle's Agile PLM intend to enable companies to drive profits, accelerate innovation, improve quality, enable globalization and help ensure regulatory compliance throughout the product lifecycle.

To help customers accelerate product innovation and maximize profitability, Oracle plans to leverage the following strategy for delivering Enterprise PLM:

**Best-in-Class Applications** - Oracle plans to continue to deliver best-in-class Enterprise PLM applications which can be deployed quickly across all product development and broader enterprise organizations and stakeholders involved in the product lifecycle;

**Industry Focus** - Oracle intends to continue to add industry-specific, next-generation functionality to Oracle's Agile PLM solutions, building upon Agile's existing expertise in industries such as consumer goods, high-tech, industrial manufacturing and life sciences;

**Commitment to Openness** - Oracle plans to remain committed to maintaining and extending the openness of Agile's leading best-in-class solution that is both CAD and ERP agnostic;

**Strategic Integrations** - Based on a service-oriented architecture, Oracle's Agile PLM is being designed to be extended through open, standard-based AIA to different enterprise components such as manufacturing and shop floor capabilities, ERP applications, supply chain planning functionality, CRM, financial applications, enterprise performance management and business analytics.

"Integrating Agile's leading PLM capabilities with Oracle Applications allows us to deliver an enterprise PLM solution that enables companies to make informed product decisions, speed product introduction and improve the quality of their products," said Oracle Vice President, PLM Product Strategy Hardeep

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Gulati. "Our commitment to open, standards-based integrations will allow companies who rely on other enterprise applications including SAP to take advantage of our best-in-class PLM capabilities."

## **Customers Applaud Strength of Oracle's Agile Offering**

"QUALCOMM selected both Oracle and Agile for the strength and breadth of their respective applications," said QUALCOMM CIO Norm Fjeldheim. "PLM has been a core application for QUALCOMM for many years and we are pleased that Oracle recognized the value in bringing a best-in-class PLM application to strengthen their overall offering. We look forward to working with the combined entity."

"The combination of Agile PLM solutions with Oracle's enterprise applications, middleware and technology solutions offers a best-in-class, enterprise solution for product lifecycle management," said Harris Corporation Vice President Supply Chain Management and Operations, Leon Shivamber. "We foresee this combination as a major force in helping companies lower costs and at the same time increasing the profitability of new product development. This is good news for customers."

About Oracle's Agile Enterprise Product Lifecycle Management (PLM)

Oracle's Agile Product Lifecycle Management (PLM) solutions streamline new product development and introduction, helping companies extend the value of PLM beyond the engineering department and implement best-practice product lifecycle processes. Oracle's Agile PLM solutions are used across multiple industries including automotive, aerospace and defense, consumer packaged goods, electronics, high-tech, industrial products, and life sciences industries. For more information, visit

<http://www.oracle.com/applications/agile>

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## ***Siemens Announces Teamcenter Express cPDM v3***

November 14, 2007

[Siemens PLM Software](#), a division of [Siemens Automation and Drives \(A&D\)](#) and a leading global provider of product lifecycle management (PLM) software and services, today announced Version 3 of Teamcenter Express software with new features including comprehensive integration with Microsoft Office applications and improved view and markup capabilities in the web client. The new capabilities enable more complete design-through-manufacturing data management for small- to mid-size manufacturers (SMBs) through expanded integration with the user's desktop.

Teamcenter Express is a complete, easy-to-use and easy-to-deploy collaborative product data management (cPDM) solution that delivers a preconfigured, yet extensible environment designed to meet the PDM requirements of SMBs. Teamcenter Express is the core PDM component of the UGS Velocity Series of PLM solutions designed to meet the specific needs of the mid-market and an entry point into the Teamcenter portfolio of proven digital lifecycle management solutions.

With Version 3, Teamcenter Express delivers improved integration with the user's desktop through comprehensive integration with Microsoft Office 2007, enhanced web view and markup, attribute mapping for document import, enhanced printing and expanded certifications. These enhancements enable more SMB users to contribute to and work with data in the Teamcenter Express cPDM database.

"The release of Teamcenter Express Version 3 demonstrates Siemens PLM Software's continued commitment to meeting the product data management requirements of SMBs," said Peter Bilello,

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director of Consulting Services, CIMdata. "The improved integration with the user's desktop enables users of Microsoft Word, Excel and Outlook to easily access data in the PDM database and participate in workflows without leaving their natural work environment. This in turn enables more users and more departments in a typical SMB to work from the single source of product data maintained by Teamcenter Express."

International Watch Co. (IWC) of Schaffhausen, Switzerland, is implementing Teamcenter Express to realize their vision for integrated PLM.

"Our vision is to have an integrated PLM system across the entire company, including departments such as marketing, product management, design, R&D and the supply chain," said Beda Weibel, project manager, IWC. "Once Teamcenter Express is fully implemented, it is going to allow us to have correct information throughout the supply chain and the product lifecycle. In order to be a modern and profitable company on the edge of development for the next five to ten years, you need state-of-the-art tools such as Teamcenter Express."

## **Version 3 delivers expanded integration with the user's desktop**

With Version 3, SMBs benefit from more users working directly from the single source of data for design-through-manufacturing that is provided by Teamcenter Express, resulting in greater re-use of existing data, less errors and rework, and more consistent and efficient completion of everyday tasks and processes. Enhancements include:

- Microsoft Word and Excel integration supports everyday document management tasks such as creating new documents from standard templates, assigning document numbers and adding new documents to the Teamcenter Express database and associating them with existing data; it also supports checking out and editing existing documents.
- Microsoft Outlook integration includes the ability to browse the users' Teamcenter Express inbox, perform signoffs on Teamcenter workflow tasks, select a signoff team and save Outlook e-mails as a dataset to the Teamcenter Express database - all directly from the Outlook environment.
- Attribute mapping enhancements enable mapping of Microsoft Office document properties to Teamcenter Express attributes. Users benefit from improved capture of existing documents from their desktop including transfer of document properties and ongoing synchronization of these properties with Teamcenter Express.
- Web Client view and markup capabilities are enhanced to cover a wider range of document types, and extended analysis and markup functionality. This enables a wider cross-section of users, such as shop floor team leaders and machine operators, to access the Teamcenter Express database and perform common tasks such as searching for parts, taking measurements from 3D CAD parts, printing drawings and adding markups.
- Printing and plotting of documents and drawings from the user's desktop is enhanced by the addition of a server-based print/plot capability and the ability to add watermarks.
- New Microsoft platform certifications help deliver low total cost of ownership through expanded support on Windows Vista® and Internet Explorer 7 for the Teamcenter Express Rich and Web clients as well as certification on Microsoft Small Business Server.

Also included with Version 3 is a new Smart Codes tool to generate intelligent part numbers to meet an organization's part coding requirements. Teamcenter Express can be coupled with a wide variety of

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CAD applications, including Solid Edge, NX, CATIA, AutoCAD, Autodesk Inventor and SolidWorks. For more information, visit <http://www.siemens.com/plm/teamcenterexpress>.

## About UGS Velocity Series

UGS Velocity Series is a comprehensive family of modular, yet integrated solutions addressing the Product Lifecycle Management (PLM) needs of the mid-market. Consisting of a preconfigured family of digital product design, analysis, manufacturing and data management software offerings, UGS Velocity Series leverages the industry's best practices to provide significant breakthroughs in ease-of-use and deployment. Emerging manufacturers can leverage the power of UGS Velocity Series to transform their process of innovation while maintaining a low total cost of ownership; and all UGS Velocity Series products are completely scalable to the full range of Siemens PLM Software's industry leading, enterprise-level PLM portfolio.

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## ***Siemens PLM Software Announces Version 3 of Teamcenter Express cPDM***

12 November 2007

Siemens PLM Software announced Version 3 of Teamcenter® Express software with new features including comprehensive integration with Microsoft® Office applications and improved view and markup capabilities in the web client. The new capabilities enable more complete design-through-manufacturing data management for small- to mid-size manufacturers (SMBs) through expanded integration with the user's desktop.

Teamcenter Express is a complete and easy-to-deploy collaborative product data management (cPDM) solution that delivers a preconfigured, yet extensible environment designed to meet the PDM requirements of SMBs. Teamcenter Express is the core PDM component of the UGS Velocity Series™ of PLM solutions designed to meet the specific needs of the mid-market and an entry point into the Teamcenter portfolio of digital lifecycle management solutions.

With Version 3, Teamcenter Express delivers improved integration with the user's desktop through comprehensive integration with Microsoft Office 2007, enhanced web view and markup, attribute mapping for document import, enhanced printing and expanded certifications. These enhancements enable more SMB users to contribute to and work with data in the Teamcenter Express cPDM database.

"The release of Teamcenter Express Version 3 demonstrates Siemens PLM Software's continued commitment to meeting the product data management requirements of SMBs," said Peter Bilello, director of Consulting Services, CIMdata. "The improved integration with the user's desktop enables users of Microsoft Word, Excel and Outlook to easily access data in the PDM database and participate in workflows without leaving their natural work environment. This in turn enables more users and more departments in a typical SMB to work from the single source of product data maintained by Teamcenter Express."

International Watch Co. (IWC) of Schaffhausen, Switzerland, is implementing Teamcenter Express to realize their vision for integrated PLM.

"Our vision is to have an integrated PLM system across the entire company, including departments such as marketing, product management, design, R&D and the supply chain," said Beda Weibel, project manager, IWC. "Once Teamcenter Express is fully implemented, it is going to allow us to have correct information throughout the supply chain and the product lifecycle. In order to be a modern and

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profitable company on the edge of development for the next five to ten years, you need state-of-the-art tools such as Teamcenter Express."

## **Version 3 delivers expanded integration with the user's desktop**

With Version 3, SMBs benefit from more users working directly from the single source of data for design-through-manufacturing that is provided by Teamcenter Express, resulting in greater re-use of existing data, less errors and rework, and more consistent and efficient completion of everyday tasks and processes. Enhancements include:

- Microsoft Word and Excel® integration supports everyday document management tasks such as creating new documents from standard templates, assigning document numbers and adding new documents to the Teamcenter Express database and associating them with existing data; it also supports checking out and editing existing documents.
- Microsoft Outlook® integration includes the ability to browse the users' Teamcenter Express inbox, perform signoffs on Teamcenter workflow tasks, select a signoff team and save Outlook e-mails as a dataset to the Teamcenter Express database - all directly from the Outlook environment.
- Attribute mapping enhancements enable mapping of Microsoft Office document properties to Teamcenter Express attributes. Users benefit from improved capture of existing documents from their desktop including transfer of document properties and ongoing synchronization of these properties with Teamcenter Express.
- Web Client view and markup capabilities are enhanced to cover a wider range of document types, and extended analysis and markup functionality. This enables a wider cross-section of users, such as shop floor team leaders and machine operators, to access the Teamcenter Express database and perform common tasks such as searching for parts, taking measurements from 3D CAD parts, printing drawings and adding markups.
- Printing and plotting of documents and drawings from the user's desktop is enhanced by the addition of a server-based print/plot capability and the ability to add watermarks.
- New Microsoft platform certifications help deliver low total cost of ownership through expanded support on Windows Vista® and Internet Explorer® 7 for the Teamcenter Express Rich and Web clients as well as certification on Microsoft Small Business Server.

Also included with Version 3 is a new Smart Codes tool to generate intelligent part numbers to meet an organization's part coding requirements. Teamcenter Express can be coupled with a wide variety of CAD applications, including Solid Edge®, NX®, CATIA®, AutoCAD®, Autodesk Inventor® and SolidWorks®. For more information, visit <http://www.siemens.com/plm/teamcenterexpress>.

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## ***Simpleware and COMSOL Announce Partnership***

23 October 2007

Simpleware Ltd. (Exeter, UK) and COMSOL Inc. (Burlington, MA, USA) announced at the COMSOL Users Conference 2007-Grenoble a partnership agreement to provide an export interface from Simpleware's 3D image-based meshing software +ScanFE™ to COMSOL Multiphysics® 3.4. The

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interface enables biomedical and bioengineering users to directly export high-quality meshes of 3D MRI (magnetic resonance imaging), CT (computed tomography), and MicroCT (microcomputed tomography) scan data created with +ScanFE to COMSOL Multiphysics 3.4 for modelling and simulation without requiring re-meshing or pre-processing.

“We are striving to provide best-in-class software solutions for all design, simulation, and product development needs,” said Philippe Young, MD of Simpleware. “The partnership with COMSOL will further enhance our position as the leading provider of tools for the conversion of 3D images to simulation models.”

A key component of Simpleware’s ScanIP™ suite of image-processing solutions, +ScanFE provides a powerful suite of algorithms and a robust toolset for converting segmented 3D image data into multi-part volumetric models. +ScanFE generates high-quality volume and surface meshes, contact surfaces, and material properties from the segmented data, all of which can now be directly exported to COMSOL Multiphysics.

Simpleware's new Export to COMSOL Multiphysics functionality is a simple two-step operation. First, ScanIP segments the regions of interest from the scan data, and then +ScanFE generates an input file for COMSOL Multiphysics. Once you import the file, you can leverage COMSOL to model, simulate, and to design biomedical applications such as hip joint replacements, vascular therapy, and drug delivery.

“The ability to create multiphysics models from MRI data is something that many of our biomed and bioengineering users have demanded,” said Ed Fontes, VP of Applications at COMSOL. “This new cooperation with Simpleware places COMSOL Multiphysics on the leading edge of biomedical and bioengineering modelling, design, and simulation.”

The combination of Simpleware’s +ScanFE and COMSOL provides users across the biomechanics and materials science disciplines with an indispensable tool. Key benefits of the +ScanFE and COMSOL Multiphysics partnership include:

- The unique ability to create meshes from 3D scan data, such as MRI, CT and MicroCT, and directly make them available for true multiphysics simulations without intermediate steps such as re-meshing and pre-processing.
- The possibility to integrate CAD and image data interactively, and then automatically mesh the resulting combined model. Users can insert implants and blood stents into the original scan data and then run simulations involving complex interactions between implant, tissue, and blood.
- The capability to reconstruct and mesh separate parts yielding perfectly conforming interfaces (no gaps or overlaps). The properties and physics of the different parts and the interactions across the interfaces can be fully manipulated in the model set-up.
- The capacity for users to access application examples and exercises that lead them through the entire process from acquiring and exporting 3D scan data to full multiphysics modeling of complex geometries with multiple parts.

For more information about +ScanFE and the ScanIP suite of software for converting 3D images into high-quality meshes, visit Simpleware on the web at <http://www.simpleware.com/>. On the COMSOL web site, <http://www.comsol.com/>, you can find full details on COMSOL Multiphysics 3.4.

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## ***Spatial Delivers R18 of Its 3D Software Component Portfolio, Including ACIS Modeler, InterOp Translators***

12 November 2007

Spatial Corp. announced the availability of the R18 release of its entire component portfolio, which includes the pervasive 3D ACIS® Modeler and its extensions, and the 3D InterOp CAD translators.

As with each Spatial release, the changes in R18 are driven by customer feedback and industry research. The improvements include functional enhancements to key features in ACIS like Blending, Local Operations, and Booleans. InterOp Translators received version upgrades as well as expanded support for Product Manufacturing Information (PMI) and more.

R18 also marks a change in the development process that accelerated production and put in place higher quality control.

“There were a lot of changes between R17 and R18 at Spatial, and not just in our products,” said Keith Mountain, CEO of Spatial. “These changes included upgraded internal systems and processes, a new community forum for our customers, and important personnel additions, such as John Alpine as our new VP of Development. These and other elements have come together to build a momentum within Spatial that presents new opportunities for our customers and ourselves.”

The following is a partial list of enhancements included in the R18 release:

### **ACIS**

#### *Blending*

ACIS users can now create curvature continuous Blends, as well as create large radius Blends in more conditions.

#### *Local Operations*

Remove Faces has been enhanced to better handle removal of Blend faces along with a new function for Tweak to sheet body.

#### *System*

A new function that allows the use of geometry paging when saving/restoring SAT files.

#### *Kernel*

A new function allows the bending and re-bending of sheet metal parts.

#### *Booleans*

A new point-evaluation interface allows faster testing of multiple points against a body. This is especially relevant to metrology applications.

### **InterOp**

*Product Manufacturing Information (PMI)* now available for CATIA V5, Pro/E, and Unigraphics generic translators.

*Version updates* for Inventor version 12, Unigraphics Version NX5, and CATIA V5 R18.

*Inventor reader* has been enhanced to support assembly files and sheet metal models in folded and unfolded modes.

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*Unicode characters* are supported in general attributes and PMI attributes.

*Assembly cut feature* is supported in Pro/E Assemblies.

For a full listing of enhancements for R18, visit  
[http://www.spatial.com/products/R18\\_enhancements.html](http://www.spatial.com/products/R18_enhancements.html).

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## ***STAR-CCM+ V2.10: Multiphase Flow and More***

9 November 2007

CD-adapco announced the release of STAR-CCM+ V2.10, the latest version of their engineering process oriented Computational Fluid Dynamics software. Maintaining a demanding four-monthly release cycle, the latest version of STAR-CCM+ includes many enhancements in terms of usability, CAE process and physical.

### **Multiphase Flow**

Among many new features, STAR-CCM+ V2.10 introduces a Lagrangian multiphase flow capability. From calculating the impact of rain droplets on the windscreen of a car, to predicting the erosive effect of small particles of sand carried in an oil pipeline, the Lagrangian models allow users to simulate the transport of solid particles, liquid droplets or bubbles of gas by a background fluid. The trajectories are calculated from the inertia, hydrodynamic drag, and gravitational forces acting on each of the particles, droplets or bubbles (known collectively as discrete phases), for both steady and unsteady simulations. CD-adapco's VP of Product Management, Jean-Claude Ercolanelli explains:

“From the beginning, a key aim of our development program was to make STAR-CCM+ the industrial code of choice for multiphase applications. In the past twelve months we've partly achieved that goal, with the introduction of what is widely regarded as the most comprehensive free-surface modeling capability available in a multipurpose CFD code. The introduction of Lagrangian multiphase into STAR-CCM+ V2.10 is also a significant milestone, enhancing an already recognized capability for efficiently solving large and complex problems.”

“In developing the Lagrangian models we have leveraged twenty years of experience as the leading provider of CFD to the automotive industry, to provide an efficient framework for tackling difficult problems - such as vehicle soiling, or erosion in long pipelines – which, although previously possible in principal, have proved difficult to solve in practice,” says Ercolanelli. “STAR-CCM+ V2.10 brings the routine solution of these multiphase problems, and many others, within the reach of every CAE engineer.”

The multiphase capability of STAR-CCM+ V2.10 is further enhanced with the addition of a compressibility option for free-surface calculations that will allow users to simulate the progress of pressure waves through liquids and to consider the influence of compressibility in regions of mixed vapor and liquid, in which the speed of sound is often lower than in either the liquid or vapor phases individually.

“Based around a single integrated process that includes automatic surface repair and solution-efficient polyhedral meshing, STAR-CCM+ already provides the fastest, most automatic route from complex CAD to CFD solution,” says Jean-Claude Ercolanelli. “For STAR-CCM+ V2.10 we have continued to focus our efforts improving the capability to handle very large size models, speeding up and refining

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that process by introducing additional capabilities for managing surface regions, and by providing a new boundary mesh extrusion capability"

Although STAR-CCM+'s surface wrapping capability automatically repairs complex or 'dirty' imported CAD, a typical first stage in performing a simulation can be to group specific areas into contiguous regions that are used to prescribe boundary conditions. In STAR-CCM+ V2.10 that process is improved with Boolean operations on surface regions: adding, subtracting or intersecting multiple surface areas to create the required leak-free fluid domains.

The boundary mesh extrusion capability is useful for offsetting the boundary mesh to generate ducts or to extend the computational domain. In both cases the extruder-mesher generates high-quality prismatic elements that are conformal with the volume mesh.

This release also features the addition of a dedicated heat exchanger model for use in underhood thermal management simulation.

The benefit brought by the parallel client / server architecture has also been reinforced to enable true collaborative teamwork. Multiple STAR-CCM+ clients can now connect on the same STAR-CCM+ server and interact together for their design reviews phases.

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## ***STAR-CAD Series V4.14: CAD and PLM-Embedded Flow And Thermal Solution for Design and Professional Engineers***

9 November 2007

The STAR-CAD Series is specifically created to enable Design and Professional engineers to undertake flow and thermal analyses directly within their company's chosen CAD environment. Using the power of associativity, any design change made in response to the results of the CFD simulation, is reflected almost immediately in the CFD solution. Solutions are updated at the click of a button without additional user intervention.

Developed after extensive consultation with our industrial users, STAR-CAD Series V4.14 introduces a number of modeling enhancements. Of particular note is the introduction of a 'periodic' boundary condition that is particularly useful for turbomachinery simulation, allowing users to exploit rotational symmetry of a problem by simulating a representative wedge rather than the full geometry.

STAR-CAD Series V4.14 also allows users to specify the velocity at an inlet boundary condition using a cylindrical local co-ordinate system, which is useful for prescribing inflow condition in turbo-chargers and compressors.

Users of STAR-CAT5 are also able to use CATIA V5 sensors to monitor their solutions from within the CFD environment. CATIA sensors are aimed to be shared by any CATIA module and 3rd party partner component. Users will be able to create CATIA parameters which can be used for instance within optimization loops, the CATIA's formula editor will add data together and allow to create derived engineering parameters like pressure drop, temperature difference, etc.

As well as supporting the latest CAD and PLM versions, the STAR-CAD Series is powered by CD-adapco's latest solver technology: STAR-CCM+ V2.10.

"A recent survey of CD-adapco customer revealed that 88% of our users perform CFD analysis at the very earliest stages of the engineering design process; 63% of our users routinely use our tools as part of

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their iterative design process, analyzing new design variants as soon as the designer creates them,” says CD-adapco’s VP of Product Management Jean Claude Ercolanelli. “The demand for providing powerful and effective technology within a familiar design environment is clear. In recognition of this, we will continue to invest significant development resources in the STAR-CAD Series, and continue to bring it closer to our next generation software solution STAR-CCM+.”

**Try it today**

The STAR-CAD Series V4.14 is now available from [CD-adapco’s User Services](#) site, [or from your local CD-adapco office](#).

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### ***think3 Launches its New Software Components Business Unit***

9 November 2007

think3 launched its new Software Components division in June.

The new business unit, headed by Tom Davis, International Sales Director for think3, is focused on business development activities for the global OEM market. Davis is supported by a team of think3 development engineers and by an efficient Customer Care service.

Over the last few years several partners asked for think3’s technological core, thinkcore, to develop, either directly or to-order, specific applications for vertical markets, and this led to the creation of a dedicated structure.

thinkcore, the only technology able to join 2D/3D and advanced surfaces, is designed for companies that need to develop targeted solutions for a specific industry. Organizations can either choose a low-level solution, working directly on the maths, or order the development of a customized interface.

To organizations using this solution, think3 also provides support for the development of specific functionality and offers a Contract Software Engineering solution, where a dedicated team of Indian engineers develop the required functionalities.

Software Components is the only division worldwide offering PLM applications: thanks to a next generation platform, it is able to create a customized management tool that integrates with the various enterprise software products.

During its first four months, the new think3 division has been focusing on niche vertical industries, such as the naval and medical and to partnership with companies in the complementary CAD and FEM industries.

“Our target is to enter other vertical industries and sign new partnerships” said Tom Davis. “The Western world is ready for these kinds of agreements, but we are experiencing a growing interest in China and India as well. We expect great results from these emerging countries”.

For further information, please contact Cristina Carini, Marketing Specialist [cristina.carini@think3.com](mailto:cristina.carini@think3.com), tel. 051 597111.

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