CIMdata

PLM Industry Summary

Editor: Christine Bennett

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Contents

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Acquisitions

Bentley Acquires promis•e Product Line to Further Extend Electrical System Design Portfolio

28 January 2008

Bentley Systems, Incorporated announced that it has acquired the global business of ECT International, Inc., a leading provider of advanced computer-aided engineering design tools for electrical control systems. The company's flagship product line, promis•e, comprises intelligent, easy-to-use software that generates electrical system schematics and supporting documentation, reducing electrical design time by more than 30 percent. The software, in combination with MicroStation, MicroStation PowerDraft, or AutoCAD, also makes the electrical design process more accurate by virtue of more than 2 million up-to-date parts in its uniquely comprehensive content repository.

Among the diversity of original equipment manufacturers, electrical systems integrators, engineering/procurement/construction (EPC) firms, suppliers and vendors of electrical system

components, and facility owners designing with promis•e are ABB, Procter & Gamble, Eaton, Solar Turbines, Duke Energy, Long Island Rail Road, and Siemens. Partner companies providing database content include Rockwell Automation, Schneider Electric, Panduit, and Hoffman, among others. The acquisition of promis•e complements and further extends Bentley's comprehensive portfolio of software for the design and operation of electrical systems for process plants, factories, power generation, electric utilities, rail and transit, and more.

With promis•e, Bentley will be better able to respond to a growing need among building, plant, civil, and geospatial infrastructure professionals for more comprehensive solutions incorporating electrical wiring, diagramming, and drawing production. In addition, promis•e adds to Bentley's contributions within a vendor category of rapidly growing significance for infrastructure creation – industrial solution suppliers. These suppliers are assuming more and more of the engineering on projects as they design, configure, and fabricate modules of larger scope for assembly on site, superseding traditional piecewise specification and construction. By doing so, they help owner-operators and EPC firms overcome professional, materials, and crafts resource shortages.

Commenting on this latest Bentley acquisition, Bhupinder Singh, senior vice president, Bentley Software, said, "Automating the design of electrical control systems results in important efficiencies, leading to increased professional productivity. But especially, Bentley user organizations have wanted automated electrical design to be fully integrated with other disciplines and workflows across the infrastructure lifecycle. They know that this advancement would multiply, many times over, their productivity improvements.

"Bentley's acquisition of promis•e will result in the solution they've been looking for. It will enable Bentley to integrate promis•e's functionality and extensive content repository with our comprehensive portfolio for infrastructure facility types and disciplines. So finally, users will benefit from streamlined control system design workflows intra-operating by way of an intelligent information model. This will provide increased efficiencies and accuracies that cut design and construction costs, shave time from delivery schedules, reduce operations and maintenance costs, and make it easier to implement ongoing system modifications – all of which enhance the creation of sustainable infrastructure."

Said Art Sawall, founder of ECT and now Bentley vice president, "The entire ECT team is excited about becoming Bentley colleagues and being able to offer our users the tremendous depth and reach of Bentley's comprehensive portfolio of software and services. Our two organizations share the common vision that open data models are the key to achieving interoperability and maximum value for users. That foundation sets the stage for significant innovations that could not be accomplished separately."

Added Rob Whitesell, vice president, Bentley Plant, Building, and Structural development, "This acquisition is particularly auspicious for plant owner and creators. Last year, Bentley unveiled solutions that unprecedentedly span intra-operating from conceptual design through detailed engineering to lifecycle data management. With this breakthrough, users benefit from bidirectional workflows that allow them to iterate from simulation to process and instrumentation diagrams, to economically near-optimum instrumentation and pipe routing, to pipe stress analysis, all interactively. Our acquisition of promis•e enables us to soon add to this workflow electrical control system design – supporting drawing takeoffs from the promis•e intelligent database. This will extend our commitment to comprehensive intra-operations by providing automation for instrumentation and electrical engineers that works with the other discipline applications in our portfolio."

promis•e is an intelligent software application that generates electrical system schematics from spreadsheets and supporting documentation such as panel layouts, bills of material, wire lists, terminal

plans, cable pull lists, and interconnect diagrams. Combined with MicroStation, MicroStation PowerDraft, or AutoCAD, or in a stand-alone environment, promis•e links drawing files to SQL and Oracle databases to improve the productivity of control system design and documentation workflows. It incorporates more than 2 million parts in its uniquely comprehensive and current content repository.

promis•e fully supports both IEC/DIN and ANSI/IEEE/JIC page and symbol formats for electrical drawings. Additional symbol libraries are available for hydraulic, pneumatic and process control systems, as are parts databases from leading component manufacturers. Dialogs and menus can be configured for languages including Chinese, English, French, German, Italian, and Spanish.

For more information about Bentley's promis•e, visit http://www.bentley.com/promis*e.

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CIMdata News

CIMdata Publishes a New Program Review Report: Share-A-Space from Eurostep

28 January 2008

CIMdata consulting and research firm announces the availability of its review of Eurostep's Share-A-Space program. In this report, CIMdata describes Eurostep's solution, and provides a review of its ability to support the real life challenges faced when working within a complex and ever changing extended enterprise across a product's lifecycle.

Mr. Peter Bilello, CIMdata Director of Consulting Services said, "Today's globally competitive and heterogeneous business environment often requires the quick and efficient formation of virtual organizations, where their various product lifecycles, associated processes, and organizations are integrated." Mr. Bilello pointed out that lifecycle product management is a critical issue and one that severely challenges most companies. He said, "The complexity associated with these new ways of working cannot be well addressed with relatively static processes and support systems. They require more flexible and dynamic solutions that can absorb and enable business changes—not impede them."

Mr. Bilello added, "History clearly shows that companies able to rapidly adapt to market changes, while continuing to provide world-class support for their in-service products, are those that best take advantage of their own intellectual assets and those of their partners. This extended enterprise approach to intellectual asset management is critical if companies want to succeed in a highly leveraged supply chain." In these types of supply chains, companies cannot afford to only optimize themselves; they must find ways to optimize the entire chain. Critically, they must find ways to leverage each company's strengths and knowledge for the betterment of the entire extended enterprise.

Eurostep's Share-A-Space is designed to address this problem domain. It is intended to provide a business process neutral environment that enables organizations of all shapes and sizes to work together throughout a product's life. Share-A-Space provides an approach to information integration and consolidation of heterogeneous systems, processes, and data models that is somewhat unique and is where many of Share-A-space's strengths lie. The full program review, is available free of charge by downloading it form the CIMdata website.

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Company News

Bentley Highlights Key Trends in Process Plant Creation

29 January 2008

At a reception sponsored by Bentley Systems, Incorporated, held to congratulate the Engineering News-Record (ENR) Top Firms in attendance, CEO Greg Bentley identified key market trends in process plant creation, and provided an update on the company's initiatives to help market participants stay ahead of growing workloads and backlog. Joining in extending congratulations was Jay McGraw, group publisher, McGraw-Hill Construction, which publishes ENR.

Underscoring Bentley's priority of configuring its software offerings to better serve the increasingly distributed "enterprises" that come together for each plant creation project, Mr. Bentley pointed out that every owner-operator and engineering/procurement/construction (EPC) firm attending daratechPLANT2008 now utilizes Bentley software. "On average, there's more than 20 'Bentley sites' globally per firm," said Mr. Bentley. "To manage project information across these distributed enterprises, fully 42 of the ENR Top 50 Design Firms have now adopted Bentley's ProjectWise collaboration servers."

He continued, "To facilitate technology adoption across growing and increasingly distributed enterprises, Bentley's innovative Enterprise License Subscription (ELS), introduced in 2004, is becoming the commercial model of choice for participants in the plant vertical."

Bentley's ELS entitles a subscribing organization to unlimited use of Bentley's comprehensive software portfolio at an annual fixed fee, reset annually based on trailing-year usage. Bentley added 23 new ELS subscriber organizations among plant participants during 2007, to reach 62 cumulatively. New plant ELS subscribers include Aibel Group, Burns & McDonnell, Linde Group, NLI Engineering, NNE Pharmaplan, and TyumenNIIgiprogas.

Mr. Bentley observed that the company's distinguishing initiatives to support reuse of design models and handover data throughout the lifecycle of operating plants are increasingly fruitful for its users and for Bentley. Its ProjectWise Lifecycle Server now is responsible for managing engineering information for over $50 billion of commissioned plant assets. At the reception, Bentley recognized BP as a "Top Owner" for implementing – as presented by BP at the conference – its 10th major capital facility, across three continents, with plant engineering data managed for the lifecycle through ProjectWise Lifecycle Server.

Mr. Bentley announced that – in addition to acquisitions announced earlier this month, which included Hevacomp, leader in building services and energy analysis software, and LEAP, leader in software for concrete bridges – Bentley has substantially completed the scope of its conceptual design offerings through the acquisition of ECT's promis•e software, the leader in electrical control systems.

promis•e incorporates a content repository of more than 2 million up-to-date parts, maintained in conjunction with leading equipment vendors. Mr. Bentley pointed out that such partnerships position Bentley to add significant new value to emerging plant creation best practices, spawned of necessity by growing backlogs.

He explained that rather than procuring merely "engineered commodities," EPC workflows increasingly rely upon creatively incorporating larger-scale modular "industrial solutions," leveraging suppliers' organic innovations to speed and improve project realization. Accordingly, industrial solution suppliers

are assuming more of the engineering work and, in effect, also more of the construction work, as they design, configure, fabricate, and just-in-time deliver modules of greater functional scope and scale for assembly on site. By doing so, they help owner-operators and EPC firms overcome resource shortages of professionals, materials, and crafts.

"The bidirectional and interactive exchange of virtual work packages to support this necessary and inevitable 'industrialization' puts a premium on interoperability between engineering deliverables, beyond the challenges of merely 'offshoring' project work," Mr. Bentley said. "While there may once have been a case for 'command and control' plant creation systems premised on enforcing a monolithic software environment across a project, today's work distribution realities instead make 'connect and collaborate' interoperations essential, between globally and industrially dispersed project contributors whose software environments can't be presumed or constrained."

Fortunately for the plant industry, owner-operator consortia have been at work developing a uniquely robust plant data model, and achieving for it international standard status as ISO 15926, for the representation of process plant lifecycle information. "Though perhaps conceived primarily to span data generations over the decades of life of a plant," said Mr. Bentley, "ISO 15926 fortuitously also solves the formidable challenges of distributed plant creation enterprises. By way of further serendipity, computing environments, driven by 'internetworking,' now efficiently support services-oriented architectures to take full advantage of self-describing data, the hallmark of ISO 15926."

For Bentley, the realization of the breakthrough potential of ISO 15926 was also fortuitous, starting with its adoption for ProjectWise Lifecycle Server, which needed to cater for plant data created in design systems other than Bentley's own. Based on that "interoperability" success, ISO 15926 was next harnessed to enable real-time "intra-operations" between plant applications, including continued new acquisitions, within the company's comprehensive portfolio.

In concluding, Mr. Bentley said, "The culmination of this work with ISO 15926 – Bentley's industry-first OpenPlant applications, so designated to signify data persisted in the ISO 15926 data model – coincides with plant creators' interoperations imperatives, as 'Open Minds think OpenPlant!'"

For more information, visit http://www.bentley.com.

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Siemens PLM Software Launches the Nationwide Education Network in Korea

29 January 2008

Siemens PLM Software announced the launch of its nationwide education network throughout Korea including the commencement of the Education System for Advanced Engineering Technology (ESAT), a nationwide educational network in Korea, and the opening of a new ePLM Education Center at the Gasan Digital Complex in Seoul.

As a part of its nationwide education network, Siemens PLM Software expanded the ePLM Education Center, a certified education institution, at its new location to provide trainees with easy access and six training rooms that can accommodate more than 100 trainees at a time. The center also serves as the head office for the other training centers across the country; Taegu Vocational School (Taegu), Hyundai CAD Occupational Training Institute (Incheon), Mold School (Pusan), DW CAE/CAM (Suwon), and Dream World Solutions (Gunpo) for a unified and professional education curriculum in Korea. Beginning in 2008, an incumbent restoration course will be provided alongside long-term education

courses. These courses are expected not only to provide opportunities to learn PLM skills, but also to enhance technology skills of existing users and foster the PLM-related workforce.

"Education is the foundation to support the industry," said KR Kwon, vice president for Siemens PLM Software's Korea operations. "As a PLM industry leader, Siemens PLM Software contributes to the basic expansion of the overall industry through engineering business management. With help from numerous partners, opening the expanded e-PLM Education Center at the Gasan Digital Complex enables us to offer better opportunities for quality education service to many CAD/CAM/PLM users and customers in metropolitan areas, including the Kyongin area. Ultimately, we hope to contribute to the cultivation of the engineering workforce to improve the employment rate."

Students enrolled in Siemens PLM Software education programs can expect to receive 60 - 85 percent refund from the Ministry of Labor. For more information about the refund program, please visit http://www.hrd.go.kr

For further details about the Siemens PLM Software's education programs, please visit http://www.ugs.co.kr/web/text/ugs1/text_list.asp?menu_id=38041.

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Siemens PLM Software Announces Global Channel Award Winners

31 January 2008

Siemens PLM Software announced its top global channel partners in each zone have been recognized with a Channel Partner Award 2007 presented earlier this month at the company's Global Sales Training event in Orlando, Fla.

"We are proud to recognize these top performing partners with the Channel Partner Award 2007," said Kerry Grimes, vice president, mid market and global channel sales, Siemens PLM Software. "They were a key part of our channel success in 2007. Over the past few years, we have significantly expanded our channel as well as increased overall channel productivity. The large profitable growth these top partners experienced last year is evidence of the collective success of our partners and our global channel program. We thank them for representing us in their local markets."

Award winners include LANIT, Nanjing Zhixiang and Saber Analysis and Design. These partners sell a mix of Siemens PLM Software technologies, including NXTM, Velocity SeriesTM and Teamcenter® software.

"We have been a Siemens PLM Software partner for nine years," said Sergey Marin, CAD/cPDM director, LANIT. "Our present achievements are based on Siemens PLM Software's products, proficient knowledge of the local industry, high-tech professional experience and an original way of implementing PLM solutions." LANIT is Russia's largest systems integrator and a supplier of solutions from more than 200 of the world's leading providers of hardware, software and services.

"We are proud to have sustained three continuous years of high business growth working with Siemens," said Zhang Jun, general manager of Nanjing Zhixiang. "The working relationship and collaboration between our companies has been a critical factor in achieving this success."

"We have been a partner with Siemens PLM Software for nearly three years," said John Stewart, president, Saber Design and Analysis Services, LLC. "Last year we experienced 600 percent growth. Our strong working relationship with Siemens and focus on Siemens best-in-class CAE solutions

enabled us to grow at this pace."

For more information on Siemens Solution Partner Program PLM, visit http://www.siemens.com/plm/partners.

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think3 is Looking for New VARs to Expand its European Commercial Operations

25 January 2008

think3 wants to expand its European sales presence, enhancing it in the countries where it already exists and looking for new VARs in England, France, Germany, Spain, Scandinavia and Eastern Europe.

The goal for 2008 is to develop a network of European partners to strengthen all business sectors. think3 successfully operates in various industries such as Industrial Design, where, in addition to thinkreshape, the new reverse engineering solution, it offers thinkID, a solution designed for companies working with A-class complex surfaces, such as Alessi, Knaus Tabbert, Thonet, Lagostina, Bianchi, Momo Design, Buell, Honda HGA, Mazda; Tooling (classic molds and metal sheet processing), where, thanks to its thinkcompensator solution it works with Attrezzeria Paganelli, BMW and Ogihara Corporation; Engineering, where thinkdesign represents a flexible solution, productive, easy to use, easy to learn and tailored to the needs of manufacturing industries.

think3 and its partners help companies gain access to its technology worldwide. Each partner is chosen by their capability to cover an assigned geographic area and provide support to their clients with the same attentiveness and competence that anybody directly from the think3 would.

The new VARs will be supported by the Sales & Management Training program, which will explore product features by means of technical sessions held by in-house staff, qualified with the Partner Certification Program. think3's global network will allow partners to work directly with think3's R&D, to define common product development guidelines and ensure support for the management of special projects.

think3 will ensure its new partners a specific operating area, balanced on the basis of existing resellers, and high margins.

To see think3' global VAR network: http://www.think3.com/it/company/var_world.aspx

For more information, please send an email to the following address: var@think3.com or call the head office at: +39 051 597111.

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VISTAGY Appoints New Vice President of Worldwide Sales to Drive Continued Growth with Expanded Product Offerings

30 January 2008

VISTAGY, Inc. kicked off the new year by outlining plans for continued growth in 2008 and expanding its software and services offerings to better meet the evolving needs of its global customer base. As part of its growth strategy, VISTAGY has appointed Scott Carlyle as vice president of worldwide sales to lead its international sales team and generate new revenue opportunities in its most critical industries.

Now more than ever, aerospace and automotive manufacturers face the unprecedented challenge of creating high-quality products faster and more cost-effectively with fewer errors and delivery delays. They have been forced to streamline their product development processes and collaborate more efficiently across the enterprise and entire development chain. It is critical for these companies to take advantage of the design potential that new materials such as composites offer, while integrating their increasingly complex global supply chains. As a result, engineers are turning to specialized engineering software and consulting services from VISTAGY to fill the gaps between analysis, design, manufacturing and quality to more efficiently, cost-effectively and quickly create their most complex and innovative products.

"We at VISTAGY recognized early on that the lines between design and manufacturing were blurring, creating potential opportunities for increased efficiencies and higher levels of collaboration throughout our customers' development processes. In response to this trend, we developed our software to help engineers create a detailed product definition once, including all non-geometric data, and automatically share that master model, or reuse the information, across the entire development chain. We have tapped into our deep engineering expertise in the aerospace and automotive industries to expand our product capabilities and service offerings to address a wider range of processes and engineering challenges," said Scott Carlyle at VISTAGY. "We are a full-service software company, offering the right mix of CAD-integrated design products, services, support and expertise to optimize the development process and solve the unique engineering problems that our cutting-edge customers face."

The key to optimizing the complete development process is by deploying specialized engineering software with unique design and manufacturing capabilities that tightly links with analysis and quality, and provides consistent feedback on product development and manufacturing changes throughout the entire supply chain. In light of this, the company has worked to integrate its products with a number of important third party applications and analysis tools, signing on leading technology providers such as JETCAM and MSC.Software. These technology partnerships, as well as numerous strategic partnerships with its customers, have helped VISTAGY offer an unprecedented level of product flexibility to its customer base and their suppliers. Mr. Carlyle states that "the combination of expanded software offerings, full service and support, and new customer agreements have helped VISTAGY achieve record revenue this past year, and will lay the groundwork for new and exciting growth opportunities in 2008."

About Scott Carlyle

Scott Carlyle is the vice president of worldwide sales for VISTAGY and is responsible for identifying key growth opportunities and leading the global sales organization. Prior to VISTAGY, Mr. Carlyle was vice president of sales for Integrated Development Enterprise (IDe), a product development portfolio management company, and district sales manager at Progress Software where he closed major accounts and was a top performer in North America. He also led sales teams at Workgroup Technology Corp. and Hewlett Packard. He graduated from Clarkson University in Potsdam, New York with a bachelor of science degree in mechanical engineering.

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Well-known PLM Market Analyst Changes to CONTACT

10 January 2008

As of January 1st 2008, Michael Murgai (36) is committed to the Business Development & Marketing department of CONTACT Software GmbH. Following his engineering studies at Karlsruhe University,

Murgai worked for Dressler Verlag GmbH, a leading publisher on technical/industrial topics based in Heidelberg. He was influential on the successful launch of the trade publication eDM-Report and, as editor-in-chief, shaped its professional standing for many years. With his profound knowledge of the market for Product Lifecycle Management (PLM) solutions, Murgai's new mission is to sharpen CONTACT's public profile with its PDM/PLM CIM DATABASE modules and at the same time optimize the flow of related information to customers, partners and market participants alike.

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Events News

Announcement and Call for Papers for European Built Environment CAE Conference (EBECC) June 5-6, 2008

January 2008

The European Built Environment CAE Conference (EBECC) will be held in London in June 2008.

The conference will be a major European event over two days with a full programme of industry and technical lectures, exhibition and social event. The aim is to provide a forum to present and discuss current practices in computer-aided engineering (CFD and FEA) approaches and showcase major projects.

You are invited to play a vital role in this conference by presenting a paper. We are looking for submissions of papers that present the advances and benefits of using simulation software. With a broad focus on comfort, safety and confidence, the programme will comprise submitted and invited papers and will address the following topics for the built environment application areas:

- Occupant comfort

Offices, atria, public buildings, underground trains and stations

- Specialist design considerations

Seismic response, cyclic loading on structures, cooling of data centres

- Wind engineering

Pressure mapping, pedestrian comfort, structural loading

- Fire and Safety

Fire modelling, smoke transport, fire suppression, structural resilience

- Homeland Security

Explosion modelling, chemical and biological gas spread

- HVAC, Refrigeration Equipment

Fans, chilled beams, facades, diffusers, grilles, noise modelling

Authors should submit title and a 250-word synopsis covering the following:

- Description of the project
- Challenges and solutions

- Validation to verify CAE approach
- Integration of CAE into your design process and business environment
- Financial and technical benefits of using CAE in your company

Submit this by Monday, 29th February 2008 to:

ebecc-papers@ansys.com

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Hawk Ridge Systems Receives #1 SolidWorks Reseller Worldwide Award at SolidWorks World

29 January 2008

Hawk Ridge Systems (HRS), the world's largest SolidWorks CAD reseller, received four top reseller awards at the SolidWorks World Conference in San Diego, CA held January 20 – 23 in San Diego, CA. The SolidWorks World 2008 International User Conference & Exposition is the largest annual worldwide 3D CAD event.

The awards included:

- #1 Worldwide SolidWorks Reseller Sales
- #1 North American SolidWorks Reseller Sales
- #1 North American SolidWorks Reseller Office Premium Sales
- The exclusive Presidents Club Award

"We're very proud to receive this exceptional recognition from SolidWorks for the hard work and dedication from the entire Hawk Ridge Systems organization" said Hawk Ridge Systems President Steve Wilcox. "By providing the largest support staff, our exclusive 24/7 eSupport System, Free Night Schools, SolidWorks Training and Hawk Ridge Tools software we feel we have enabled the largest U.S. SolidWorks Reseller customer base to design, validate and manage their Engineering processes at peak productivity levels."

For more information, visit http://www.hawkridgesys.com.

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Sescoi Launches WorkPLAN Enterprise at BIEMH

1 February 2008

With over 1000 exhibitors, the 25th BIEMH exhibition will be the launch pad for Sescoi's new WorkPLAN Enterprise ERP system and its WorkNC G3 CAM/CAD software in Spain. The Sescoi stand (I 08) will be located in Hall 2 at BIEMH, which runs from 3rd to 8th March 2008 in Bilbao, Spain.

WorkPLAN Enterprise is the successor to Sescoi's WorkPLAN ERP software. Companies using WorkPLAN in Europe include ARTE S.A., ITT Industries, WOCO, Kantemir and Georges Pernoud. Tailored to the needs of custom manufacturers, toolmakers and engineer-to-order applications, WorkPLAN Enterprise manages the complete manufacturing process from order through to delivery and after sales service. The new software has been re-engineered based on Sescoi's 20 years of industry

expertise and now utilizes the MySQL® database which provides open access, easily linking to external applications such as Microsoft® Office, CAD & CAM packages, accounting systems and other ERP solutions.

WorkPLAN Enterprise features a new user-friendly interface which is common across all the modules, enabling a short learning curve, rapid implementation and fast return on investment. By controlling their company's operations with WorkPLAN Enterprise, managers will be able to produce more accurate quotations, monitor production in real time to achieve delivery dates, control costs throughout the manufacturing cycle, and monitor quality compliance. New levels of reporting, KPI tracking and transparency of information help ensure companies' profitability long term.

Sescoi will take advantage of the BIEMH exhibition to demonstrate WorkNC G3, the latest version of their CAM/CAD software, on the Sescoi, Hitachi Tool and Juan Martin stands.

Featuring a completely new ergonomic interface which brings together design, programming, toolpath editing and verification, WorkNC G3 sets a new standard for intuitive operation. The newly improved toolpath fluidity in WorkNC G3 gives machinists smoother transitions and trochoidal movements and is aimed at rapid metal removal rates for high speed machining. The extended 5-axis toolpaths now have dedicated routines for blade and impeller machining as well as extra options in Auto 5, Sescoi's unique system for automatically converting 3-axis toolpaths into 5-axis. The developments in WorkNC G3 will have a significant impact on ease of use, surface finish and cycle times.

With the intelligent integration between its ERP and CAD/CAM systems, Sescoi offers manufacturers a fast track to improving their productivity and competitiveness.

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Sescoi Unveils WorkNC G3 and WorkPLAN Enterprise at DieMould India

28 January 2008

Sescoi India will be exhibiting its latest WorkNC G3 CAM/CAD software and its newly released WorkPLAN Enterprise ERP system on Stand No A-18 Upper Floor, Hall No 1 at the 5th DieMould India show from 15th to 18th February 2008 in Bangalore.

WorkNC G3 is the third generation of Sescoi's software featuring a completely new ergonomic graphical user interface, designed with ease of use in mind. By uniting design, programming, toolpath editing and verification into a single environment, the new software simplifies and streamlines operation, making its powerful toolpath manipulation even easier. The new 5-axis machining routines in WorkNC G3 provide dedicated toolpaths for blades and impellers, while extra functionality in Sescoi's Auto 5 enables the automated machining of extremely complex 5-axis parts. Fluidity of cutterpaths has also been increased in the latest version of the software. Revised algorithms apply smooth transitions and trochoidal movements to the tool where appropriate, improving surface finish and easing high speed machining.

At the end of 2007, over 200 delegates from Indian companies took advantage of a seminar and dinner hosted by Sescoi in Pune to get a preview of WorkNC G3. Amongst the company's most prestigious Indian customers are Bharat Forge, part of the $1.25 billion Kalyani Group and Sermo PM India, part of the ARRK Corporation, one of the worlds largest toolmakers with an annual turnover of 50 million euros. The popularity of the software across the subcontinent has led Sescoi to appoint a new reseller in Pune - CAD-CENTRIC, which is part of the Electronica Group with a turnover in excess of $86 million.

Sescoi has also opened a new regional sales office in Bangalore, enabling it to continue offering the high standards of service its customers have come to expect.

Sescoi's new ERP system, WorkPLAN Enterprise, will provide Indian toolmakers with key information about their manufacturing processes. Designed for project and engineer-to-order applications, the software gives control and feedback without the complexity associated with other ERP systems. Companies using WorkPLAN Enterprise will be able to generate quotations more quickly and accurately, monitor production through real time data collection and Gantt charts, and control the costs associated with manufacture, purchasing and subcontracting. As with all Sescoi products, ease of use is a crucial element ensuring that implementation is straightforward and that companies get a rapid return on investment.

By visiting the Sescoi stand, engineers will be able to see for themselves the benefits they can gain from the power of WorkNC G3 and the improved business management they can achieve with WorkPLAN Enterprise.

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Financial News

Autodesk Extends Invitation to Join its Fourth Quarter Fiscal 2008 Financial Results Conference Call on Tuesday, February 26th at 2:00 p.m. Pacific Time

1 February 2008

WHAT: Autodesk, Inc. announced that it will broadcast its fourth quarter fiscal 2008 financial results conference call live via its website on Tuesday, February 26, 2008.

WHEN: Tuesday, February 26th at 2:00 p.m. Pacific Time

DETAILS: A live webcast and audio archive will be available on http://www.autodesk.com/investors.

HOW: If you would like to listen to the live call, Autodesk will be hosting a webcast at http://www.autodesk.com/investors. If you are unable to access the Internet for the call, you may dial in at 866.35... or 617.59... and reference 54026047 as the passcode. An audio replay webcast and podcast will also be available at 4:00 p.m. Pacific Time on our website at http://www.autodesk.com/investors or by dialing 888.28... or 617.801.6888 and reference 31938698 as the passcode.

CONTACT: For more information, please call Autodesk Investor Relations at

415-507-6705.

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Cadence Reports Q4 Revenue up 6% Over Q4 2006

30 January 2008

Cadence Design Systems, Inc. reported fourth quarter 2007 revenue of $458 million, an increase of 6 percent over the $431 million reported for the same period in 2006. On a GAAP basis, Cadence recognized net income of $120 million, or $0.41 per share on a diluted basis, in the fourth quarter of 2007, compared to $48 million, or $0.16 per share on a diluted basis, in the same period in 2006. Revenues for the fiscal year 2007 totaled $1.62 billion, an increase of 9 percent over 2006 total revenues of $1.48 billion. Net income for the fiscal year 2007 was $296 million, or $1.01 per share, compared to net income of $143 million, or $0.46 per share for the year 2006. Net income on a GAAP basis for the fourth quarter and fiscal year 2007 includes the income tax benefit of a settlement with the Internal Revenue Service of $28 million, or $0.10 per share on a diluted basis for the fourth quarter of 2007, and $0.09 per share on a diluted basis for the fiscal year 2007.

In addition to using GAAP results in evaluating Cadence's business, management believes it is useful to measure results using a non-GAAP measure of net income, which excludes, as applicable, amortization of intangible assets, stock-based compensation expense, in-process research and development charges, certain termination and legal costs, integration and acquisition-related costs, gains and expenses related to non-qualified deferred compensation plan assets, executive severance payments, restructuring charges and credits, losses on extinguishment of debt and equity in losses (income) from investments. Non-GAAP net income is adjusted by the amount of additional taxes or tax benefit that the company would accrue if it used non-GAAP results instead of GAAP results to calculate the company's tax liability. See "GAAP to non-GAAP Reconciliation" below for further information on the non-GAAP measure.

Using this non-GAAP measure, net income in the fourth quarter of 2007 was $133 million, or $0.46 per share on a diluted basis, as compared to $116 million, or $0.38 per share on a diluted basis, in the same period in 2006. For the fiscal year 2007, non-GAAP net income was $397 million, or $1.35 per share, compared to $336 million and $1.08 per share in 2006.

"Our strategy is on track, our technology has never been stronger, and we continue to focus on delivering solutions to help our customers manage their businesses in a challenging environment," said Mike Fister, president and CEO of Cadence.

"We achieved our long standing goal for operating margin for the year, and will keep our focus on improving our operating efficiency through 2008," added Bill Porter, executive vice president and chief financial officer.

The following statements are based on current expectations. These statements are forward looking, and actual results may differ materially. These statements do not include the impact of any mergers, acquisitions or other business combinations completed after Dec. 29, 2007.

Business Outlook

For the first quarter of 2008, the company expects total revenue in the range of $280 million to $290 million. First quarter GAAP net loss per diluted share is expected to be in the range of $(0.06) to $(0.04). Diluted earnings per share using the non-GAAP measure defined below are expected to be in the range of $0.03 to $0.05.

For the full year 2008, the company expects total revenue in the range of $1.490 billion to $1.540 billion. On a GAAP basis, net income per diluted share for fiscal 2007 is expected to be in the range of $0.69 to $0.77. Using the non-GAAP measure defined below, diluted earnings per share for fiscal 2008 are expected to be in the range of $1.11 to $1.19.

A schedule showing a reconciliation of the business outlook from GAAP net income and diluted net income per share to the non-GAAP net income and diluted net income per share is included with this release.

Click here for the Q4 2007 Financial Schedules

Audio Webcast Scheduled

Fister and Porter will host a fourth quarter 2007 financial results audio webcast today, Jan. 30, 2008, at 2 p.m. (Pacific) / 5 p.m. (Eastern). An archive of the webcast will be available starting Jan. 30, 2008, at 5 p.m. Pacific time and ending at 5 p.m. Pacific time on Feb. 6, 2008. Webcast access is available at http://www.cadence.com/company/investor_relations.

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Dassault Systemes Schedules Fourth Quarter and Full Year 2007

29 January 2008

Dassault Systèmes (DS) will host a webcast and a conference call on Wednesday, February 13, 2008, to discuss its operating performance for the fourth quarter and full year ended December 31, 2007.

The management of Dassault Systèmes will host the webcast at 10:00 AM London Time - 11:00 AM Paris Time and will then also host the conference call at 9:00 AM New York Time - 2:00 PM London Time - 3:00 PM Paris Time to discuss the Company's operating performance.

Both the webcast and the conference call will be available via the Internet by accessing Dassault Systèmes' website at http://www.3ds.com/corporate/investors/.

Follow the directions on the main page to link to the audio.

Please go to the website at least fifteen minutes prior to the webcast or conference call to register, to download and install any necessary software. The webcast and conference call will be archived for 30 days.

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EMC Posts Record Results and Full-Year Financial Results

29 January 2008

EMC Corporation announced all-time record fourth-quarter and full-year revenue and strong year-over-year growth in profit, earnings per share and operating cash flow. EMC's 18th consecutive quarter of double-digit year-over-year revenue growth was highlighted by balanced, double-digit revenue growth across the company's Information Storage, Content Management & Archiving, RSA Information Security, and VMware Virtual Infrastructure business lines and its four major geographies.

Total consolidated revenue for the fourth quarter of 2007 was a record $3.83 billion, an increase of 19% over the $3.21 billion reported for the fourth quarter of 2006. GAAP net income for the fourth quarter of

2007 was $525.7 million or $0.24 per diluted share, 33% higher than the GAAP $0.18 earnings per diluted share reported for the year-ago period. During the quarter, EMC generated operating cash flow of $979 million, an increase of 50% compared with the same period a year ago and free cash flow of $712 million, an increase of 78% year-over-year.

Total consolidated revenue for EMC's full 2007 fiscal year was a record $13.23 billion, 19% higher than the $11.16 billion reported for the full 2006 fiscal year. GAAP net income for 2007 was $1.67 billion or $0.77 per diluted share, 43% higher than the GAAP earnings per diluted share of $0.54 reported for 2006.

Joe Tucci, EMC Chairman, President and Chief Executive Officer, said, "2007 was truly a breakout year for EMC. We exceeded all of the aggressive financial targets we set out to achieve at the beginning of the year. The highly successful partial IPO of VMware clearly met its key goals. And we further organized around our 'One EMC' initiative to interlock and drive more technology and product integrations across our Information Storage, Content Management and Archiving, and RSA Information Security business units, making it much easier for our customers and partners to do business with EMC."

Commenting further, Tucci said, "Looking forward, EMC has never been better positioned to continue to grow and gain market share. We have the best product line-up in our history with a very favorable product cycle, and our proven go-to-market model is firmly in place. EMC is well positioned in the areas where IT spending will grow the fastest this year. Finally, our focus on innovation and R&D is enabling us to tackle emerging customer priorities such as Web 2.0, virtualization, compliance and new online methods for purchasing and consuming software."

During the fourth quarter, EMC systems revenue increased 15% compared with the same period a year ago and represented 44% of total fourth-quarter revenue. Software license and maintenance revenue increased 20% year-over-year and accounted for 40% of total fourth-quarter revenue. Professional services, systems maintenance and other services revenue grew by 27% year-over-year and represented 16% of total fourth-quarter revenue. Revenue from North America increased 16% compared with the same period a year ago and represented 55% of total fourth-quarter revenue. Revenue from operations outside of North America grew 23% year-over-year, driven by double-digit revenue growth in EMC's Europe, Middle East and Africa (EMEA), Asia-Pacific and Japan (APJ) and Latin America regions.

David Goulden, EMC Executive Vice President and Chief Financial Officer, said, "We exceeded our growth, profitability and free cash flow targets for the fourth quarter and for the year. By investing in our go-to-market model and worldwide market presence, strengthening our product portfolio, and expanding our strategic partnerships around the world, we enter 2008 with an even stronger foundation for continued financial success and market share gains."

Fourth-Quarter Highlights

EMC's Information Storage business, which includes revenue from storage systems, storage software and related customer and professional services, reached $3.03 billion, an increase of 14% compared with the year-ago period. Growth in the Information Storage business reflects continued global demand for EMC Symmetrix, EMC CLARiiON, and EMC Celerra networked storage systems. Strong customer demand for IP storage solutions, next-generation backup and recovery capabilities, file-based virtualization, and model-based resource management also helped to drive strong year-over-year information storage revenue growth.

EMC's Content Management and Archiving business posted double-digit revenue growth, increasing

fourth-quarter revenue 17% year-over-year to $238 million. On a year-over-year basis, new license revenue increased 8% and maintenance and professional services revenue was up 25%. Growth in the Content Management and Archiving business reflects strong global demand for EMC's enterprise content management and archiving solutions to drive business efficiency, compliance and risk mitigation across the information infrastructure, and demand for EMC's Documentum 6 platform, which gives organizations of various sizes and across industries a robust, unified repository for managing, storing, securing, and delivering increasing amounts of unstructured content.

RSA Information Security revenues for the fourth quarter of 2007 grew 30% year-over-year, reaching $148 million. This growth was primarily driven by RSA's key management and its consumer-facing applications, as well as its compliance and security information and event management (SIEM) solutions. During the quarter, the division continued to see success with its holistic, information-centric approach to information security and risk management and its unparalleled breadth of solutions that address customers' key areas of information security and its management across the information infrastructure.

VMware which is majority-owned by EMC, had fourth-quarter revenues of $412 million, an increase of approximately 80% compared to the year-ago quarter. VMware is the global leader in virtualization solutions from the desktop to the datacenter. More than 100,000 customers rely on VMware to reduce capital and operating expenses, ensure business continuity, strengthen security and go green. VMware is based in Palo Alto, California. Visit http://ir.vmware.com for more information about the virtualization software leader's fourth-quarter financial results.

2007 Highlights

EMC had double-digit revenue growth across its systems, software and services offerings in 2007. Systems revenue grew 12% during the year to $5.76 billion, driven by the introduction of new models and enhancements to EMC's entire line of networked storage platforms. Software license and maintenance revenue grew 25% to $5.33 billion, and professional services, systems maintenance and other services revenue grew 23% in 2007 to $2.13 billion. For the year, systems revenue represented 44% of EMC's annual revenue, software license and maintenance represented 40% and professional services and systems maintenance represented 16% of annual revenue.

EMC's Information Infrastructure business revenues, which comprise EMC's Information Storage, Content Management and Archiving and RSA Information Security business revenues, were $11.9 billion and grew 14% in 2007. EMC's Information Storage business annual revenue increased 10% in 2007 to $10.61 billion compared to 2006. Annual revenue for EMC's Content Management and Archiving business grew 13% year-over-year to $773 million and, on a comparable basis, annual revenue for the RSA Information Security division grew 24% to $525 million.

Total consolidated revenue for EMC's full 2007 fiscal year, which includes EMC's Information Infrastructure and VMware Virtual Infrastructure businesses, was a record $13.23 billion, 19% higher than the $11.16 billion reported for the full 2006 fiscal year.

For the year, revenue from EMC's North America geography increased 17% compared with 2006 and represented 57% of total annual revenue. Revenue from operations outside of North America grew 22% year-over-year. All four of EMC's major geographies posted double-digit year-over-year revenue growth, including EMC's Asia Pacific and Japan geography which emerged as the company's fastest-growing geography for 2007.

Business Outlook

The following statements are based on current expectations. These statements are forward-looking, and actual results may differ materially. These statements do not give effect to the potential impact of mergers, acquisitions, divestitures or business combinations that may be announced or closed after the date hereof. These statements supersede all prior statements regarding business outlook set forth in prior EMC news releases.

All dollar amounts and percentages in the business outlook should be considered to be approximations.

Consolidated EMC revenues are expected to grow 13% to $15 billion in 2008. Within the consolidated revenues:

EMC's Information Infrastructure's revenues are expected to grow 9% to $13 billion in 2008.

VMware's revenues are expected to grow 50% in 2008.

Consolidated GAAP diluted earnings per share are expected to be $0.78 in 2008.

EMC Information Infrastructure's contribution to diluted earnings per share is expected to be $0.68 in 2008.

VMware's contribution to diluted earnings per share is expected to be $0.10 in 2008.

Consolidated non-GAAP diluted earnings per share are expected to grow 14% to $1.04 in 2008. Non-GAAP diluted earnings per share exclude the impact of stock-based compensation and intangible asset amortization.

EMC Information Infrastructure's contribution to non-GAAP diluted earnings per share is expected to grow 11% to $0.88 in 2008.

VMware's contribution to non-GAAP diluted earnings per share is expected to grow 33% to $0.16 in 2008.

Consolidated stock-based compensation expense is expected to be $0.18 per diluted share in 2008 and the amortization of intangible assets is expected to be $0.08 per diluted share in 2008. Within these consolidated expenses:

EMC Information Infrastructure's stock-based compensation expense is expected to be $0.12 per diluted share in 2008 and amortization of intangible assets is expected to be $.08 per diluted share in 2008.

VMware's stock-based compensation expense is expected to be $0.06 per diluted share in 2008 and amortization of intangible assets to be less than $0.01 per diluted share in 2008

Consolidated GAAP tax rate for 2008 is expected to be 20% and the non-GAAP tax rate to be 22%. The tax impact of stock-based compensation and intangible asset amortization is expected to be 2% on the 2008 tax rate.

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Endeca Reports $108 million in Annual Revenue, Key Wins

29 January 2008

Endeca Technologies, Inc. announced 2007 annual revenue of $108 million and the company's 20th consecutive quarter of year-over-year growth. The news comes on the heels of key new investments in Endeca from SAP and Intel (see related news) as the company plans continued product innovation and aggressive expansion into core markets.

In 2007 Endeca helped the world's leading organizations solve hundreds of their most critical information access problems. One customer reported an annual increase of $370 million in online revenue. Another customer increased page views by 130 percent by partnering with Endeca. And a Federal agency reduced a three-day reporting cycle to minutes. Endeca's manufacturing customers are cutting hundreds of millions of dollars out of their supply chains using Endeca solutions to revolutionize the daily decision-making of thousands of engineering, procurement, and sourcing professionals.

2007 highlights include:

Signed more than 100 new enterprise 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, Borders, BT Group, the (US) Census Bureau, the (US) Department of Homeland Security, the (US) Department of Defense, Ford Motor Company, LexisNexis, Panasonic, Scripps Networks, Standard Chartered Bank, and the US Air Force.

Named industry veterans Mark Riggs (formerly vice president of Business Objects) as worldwide head and senior vice president of Endeca's Customer Solutions organization and Ben Gaucherin (formerly CTO of Sapient) as the Customer Solutions organization's chief technology officer.

Introduced the next generation of signature Guided Navigation® experience with native 64-bit release of the Endeca Information Access Platform and unveiled the Endeca Discovery Suite, advancing the state-of-the-art in eCommerce and online publishing. The suite's first two entries are the Social Navigation Module and Search Engine Marketing Module.

Teamed with IBM to introduce the IBM Risk Insight solution, built on the Endeca Information Access Platform. The new solution provides lending financial institutions unprecedented transparency into risk portfolio dynamics to better investigate portfolio risk, minimize risk concentrations, and take appropriate action.

Announced the 2007 Endeca Navigator Awards recognizing innovative, pioneering applications of information access technology to solve critical business challenges. 2007 winners include the Defense Intelligence Agency, LexisNexis (a division of Reed Elsevier), Marriott International, Nike, Emap plc, Harris Corporation, and Buzzillions.

Introduced the first information access developer community, the Endeca Developer Network (EDeN) at Endeca Discover 2007. By year end the community included more than 3,000 active members representing more than 400 customer and partner organizations.

Continued to solidify new channel alliances as strategic partners played an increasingly large role in key deployments, technology innovation, and significant wins. Global solutions integrator partners Cognizant, IBM Global Business Services, Infosys, and Sapient and regional solutions integrator partners like BlueFish, 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, leading to greater platform extensibility and key new customer wins.

"The information access market is at an inflection point. Legacy search-engine technology and business intelligence platform providers have faced rapid consolidation and commoditization over the past 12 months," said Steve Papa, chief executive officer of Endeca. "Over the next 12 to 24 months the market focus will shift to a new generation of platforms that blur the lines between database, search, and business intelligence approaches — platforms designed specifically for the development of integrated

information access applications and mashups that give everyday people 360-degree visibility into enterprise information. Endeca is now uniquely poised to lead and capitalize on this transition, offering a developer environment and a user experience unlike anything else available on the market."

Headquartered in Cambridge, Mass., Endeca has operations in North America, Europe, and Asia. For more information: endeca.com or info@endeca.com.

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SAP Reports Strong Growth in Software and Software Related Service Revenues for 2007

30 January 2008

SAP AG announced its preliminary financial results for the fourth quarter and full year ended December 31, 2007.(1)

HIGHLIGHTS - Full-Year 2007

Revenues
-- Software and software related service revenues for 2007 were euro 7.43 billion (2006: euro 6.60 billion), which is an increase of 13% (17% at constant currencies(2)) compared to 2006.
-- Software revenues for 2007 were euro 3.41 billion (2006: euro 3.00 billion), representing an increase of 13% (18% at constant currencies (2)) compared to 2006.
-- Total revenues were euro 10.25 billion for 2007 (2006: euro 9.39 billion), which represented an increase of 9% (13% at constant currencies(2)) compared to 2006.

Income
-- Operating income for 2007 was euro 2.74 billion (2006: euro 2.58 billion), which was an increase of 6% compared to 2006.
-- The operating margin for 2007 was 26.7% compared to 27.4% for 2006. The 2007 operating margin was impacted by investments of approximately euro 125 million to build a business around the new SAP(R) Business ByDesign(TM) solution to address new untapped segments in the midmarket as announced by the Company at the beginning of 2007.
-- Income from continuing operations for 2007 was euro 1.94 billion (2006: euro 1.88 billion), representing an increase of 3% compared to 2006.
-- Earnings per share from continuing operations for 2007 was euro 1.60 (2006: euro 1.53), which was an increase of 5% compared to 2006. Income and earnings per share from continuing operations for 2006 was positively impacted by a non-recurring extraordinary tax benefit of approximately euro 85 million, which reduced the 2006 tax rate by 3.2 percentage points. The 2007 effective tax rate from continuing operations was 32.2% (2006: 29.9%).

Core Enterprise Applications Vendor Share(3)

SAP reported its eighth consecutive quarter of share gains. Based on 2007 software and software related service revenues on a rolling four-quarter basis, SAP's worldwide share of Core Enterprise Applications vendors(3), which account for approximately $36.7 billion in software and software related service revenues as defined by the Company based on industry analyst research, was 28.4% for the four quarter period ended December 31, 2007 compared to 26.9% for the four quarter period ended September 30, 2007, and 24.4% for the four quarter period ended December 31, 2006, representing a year-over-year share gain of 4.0 percentage points.

"2007 represented another good year for SAP with strong growth in software and software related services," said Henning Kagermann, CEO of SAP. "The outstanding performance reflects the continued success we are seeing in SAP's established business, which will continue to be the foundation for growth heading into 2008 and beyond. We expect new innovations like SAP Business ByDesign to help us capture tremendous opportunities in untapped segments in the midmarket, to augment growth going forward. In addition, the recent acquisition of Business Objects makes us the clear leader in business performance optimization products. This will help us further penetrate the fast-growing business user segment and will be another driver of growth as we move ahead."

HIGHLIGHTS - Fourth Quarter 2007

Revenues

-- Software and software related service revenues for the 2007 fourth quarter were euro 2.47 billion (2006: euro 2.19 billion), which is an increase of 13% (17% at constant currencies(2)) compared to the same period of 2006.

-- Software revenues for the fourth quarter of 2007 were euro 1.42 billion (2006: euro 1.24 billion), representing an increase of 14% (18% at constant currencies(2)) compared to the fourth quarter of 2006.

-- Total revenues were euro 3.24 billion for the 2007 fourth quarter (2006: euro 2.95 billion), which represented an increase of 10% (14% at constant currencies(2)) compared to the same period of 2006.

Income

-- Operating income for the 2007 fourth quarter was euro 1.11 billion (2006: euro 1.09 billion), which was an increase of 2% compared to the fourth quarter of 2006.

-- The operating margin for the fourth quarter of 2007 was 34.3% compared to 36.9% for the same period last year. The 2007 fourth quarter operating margin was impacted by investments of approximately euro 40

million to build a business around the new SAP Business ByDesign solution to address new untapped segments in the midmarket as announced by the Company at the beginning of 2007.

-- Income from continuing operations for the 2007 fourth quarter was euro 758 million (2006: euro 808 million), representing a decrease of 6% compared to the same period of 2006.

-- Earnings per share from continuing operations for the fourth quarter of 2007 was euro 0.63 (2006: euro 0.66).

Cash Flow

Operating cash flow from continuing operations for 2007 was euro 1.99 billion (2006: euro 1.86 billion). Free cash flow(2) for 2007 was euro 1.58 billion (2006: euro 1.49 billion), which was 15% of total revenues (2006: 16%). At December 31, 2007, the Company had euro 2.8 billion in cash and cash equivalents, including restricted cash, and short term investments (December 31, 2006: euro 3.3 billion).

Share Buyback

In the fourth quarter of 2007, the Company bought back 6.9 million shares at an average price of euro 36.25 (total amount: euro 249 million). As of December 31, 2007, the Company held treasury stock in the amount of 48.1 million shares (approximately 3.9% of total shares outstanding) at an average price of euro 36.07. For the full year 2007, the company invested euro 1 billion buying back approximately 27.3 million shares (2.19% of the total shares outstanding) at an average price of euro 36.85. For 2008, the Company expects to invest approximately euro 500 million buying back shares.

BUSINESS OUTLOOK

The Company provided the following outlook for the full-year 2008:

-- The Company expects full-year 2008 Non-GAAP software and software related service revenue, which excludes a non-recurring deferred support revenue write-down from the acquisition of Business Objects of approximately euro 180 million, to increase in a range of 24% - 27% at constant currencies(2) (2007: euro 7.428 billion). SAP's business, excluding the contribution from Business Objects, is expected to contribute 12 - 14 percentage points to this growth.

-- The Company expects the full-year 2008 Non-GAAP operating margin at constant currencies(2), which excludes a non-recurring deferred support revenue write-down from the acquisition of Business Objects and acquisition related charges, to be in the range of 27.5% - 28.0% (2007 Non-GAAP operating margin: 27.3%). The 2008 Non-GAAP operating margin outlook includes accelerated investments of euro 175 to euro 225

million (2007: euro 125 million) in order to build a business around the new SAP Business ByDesign solution to address new, untapped segments in the midmarket.

-- The Company is projecting an effective tax rate of 31.0% to 31.5% (based on U.S. GAAP income from continuing operations) for 2008.

KEY EVENTS - Fourth Quarter 2007

-- In the fourth quarter of 2007, SAP announced major contracts in several key regions: Biomerieux SA, Intersport France, MGI METRO Group Information Technology GmbH, Munchener Hypothekenbank eG, Nationwide Building Society, Saudi Arabian Airlines, and Telekomunikacja Polska S.A. in the EMEA; Foundation Coal, GCC Cemento , S.A. de C.V., GT Solar, Magnesita S.A., Sara Lee Corporation, Tyco Electronics and U. S. Navy in the Americas; China Tobacco Guangdong Industrial, HCL Technologies Ltd, MediaCorp Pte Ltd., Ministry of Finance, New Zealand, Sharp Corporation, Sysmex Corporation, United India Insurance Company Ltd, and Woolworths Limited in Asia Pacific Japan.

-- In the fourth quarter of 2007, three Global Enterprise Agreements (GEAs) were signed, including Lockheed Martin and Nestle, all of them operating at the most strategic levels with SAP. For Lockheed Martin, SAP has been a strategic software partner since 1997. Lockheed Martin has deployed significant portions of SAP(R) ERP and is now engaged in several implementations to further leverage and optimize SAP software across the corporation. By signing a GEA, Nestle, the world's largest food and beverage company, and SAP have decided to extend their successful collaboration. The GEA with Nestle, which replaces an earlier subscription agreement between Nestle and SAP, enables Nestle to make use of SAP's current and future solutions to accompany its business strategy and will continue to leverage the SAP(R) NetWeaver technology platform to support their core business areas.

-- On December 4, 2007, SAP introduced the next evolution of SAP(R) Customer Relationship Management (SAP CRM), an important application in SAP(R) Business Suite. With an eye toward empowering the growing business user market, this breakthrough new product was co-innovated with leading customers and partners, and is designed to be simple and powerful to solve real business problems.

-- Continuing its focus on providing banks the flexibility they need to integrate, migrate and update application functionality based on an integrated platform, SAP announced on November 14, 2007, an alliance with Computer Sciences Corporation (CSC). The alliance will address the growing need for banks to differentiate themselves through strategically optimized product pricing.

-- SAP announced on October 17, 2007, the intent to acquire YASU Technologies, a privately held vendor of business rules management systems. SAP will embed YASU Technologies solutions into its market-leading technology platform, SAP NetWeaver(R), to provide the business rules infrastructure that allows companies to move their strategies forward and better maintain compliance while saving time, resources and money.

-- On October 7, 2007, SAP and Business Objects S.A. announced that the companies have reached an agreement for SAP to acquire Business Objects in a friendly takeover.

Webcast/Supplementary Financial Information

SAP senior management will host a press conference in Frankfurt today at 10:00 AM (CET) / 9:00 AM (GMT) / 4:00 AM (Eastern) / 1:00 AM (Pacific), followed by an investor conference at 2:00 PM (CET) / 1:00 PM (GMT) / 8:00 AM (Eastern) / 5:00 AM (Pacific). Both conferences will be web cast live on the Company's website at http://www.sap.com/investor and will be available for replay purposes as well. Supplementary financial information pertaining to the quarterly results can be found at http://www.sap.com/investor.

(*) SAP defines business software as comprising enterprise resource

planning and related applications such as supply chain management, customer relationship management, product life-cycle management and supplier relationship management.

Regional Performance - Fourth Quarter 2007

Fourth Quarter 2007 Software and Software Related Service Revenues by Region

(in euro millions, preliminary and unaudited)
SAP Group

	Software & SW Related Service Revenues Q4 2007	Software & SW Related Service Revenues Q4 2006	Change	% Change	Constant Currency % Change
EMEA	1,393	1,231	+162	+13%	+14%
Americas	777	724	+53	+7%	+16%
Asia Pacific Japan	304	238	+66	+28%	+32%
Total	2,474	2,193	+281	+13%	+17%

Fourth Quarter 2007 Software Revenues by Region (in euro millions, preliminary and unaudited)

SAP Group

	Software Revenues Q4 2007	Software Revenues Q4 2006	Change	% Change	Constant Currency % Change
EMEA	780	696	+84	+12%	+14%
Americas	456	418	+38	+9%	+17%
Asia Pacific Japan	180	129	+51	+40%	+44%
Total	1,416	1,243	+173	+14%	+18%

Fourth Quarter 2007 Total Revenues by Region (in euro millions, preliminary and unaudited)

SAP Group

	Revenues Q4 2007	Revenues Q4 2006	Change	% Change	Constant Currency % Change
EMEA	1,804	1,634	+170	+10%	+12%
Americas	1,053	991	+62	+6%	+15%
Asia Pacific Japan	386	324	+62	+19%	+24%
Total	3,243	2,949	+294	+10%	+14%

Regional Performance - Full-Year 2007

Full-Year 2007 Software and Software Related Service Revenues by Region (in euro millions, preliminary and unaudited)

SAP Group

	Software & SW Related Service Revenues 12 Mos 2007	Software & SW Related Service Revenues 12 Mos 2006	Change	% Change	Constant Currency % Change
EMEA	3,974	3,511	+463	+13%	+14%
Americas	2,495	2,282	+213	+9%	+17%
Asia Pacific Japan	959	803	+156	+19%	+24%
Total	7,428	6,596	+832	+13%	+17%

Full-Year 2007 Software Revenues by Region (in euro millions, preliminary and unaudited)

SAP Group

	Software Revenues 12 Mos 2007	Software Revenues 12 Mos 2006	Change	% Change	Constant Currency % Change
EMEA	1,698	1,492	+206	+14%	+15%
Americas	1,228	1,133	+95	+8%	+16%
Asia Pacific Japan	482	378	+104	+28%	+32%
Total	3,408	3,003	+405	+13%	+18%

Full-Year 2007 Total Revenues by Region (in euro millions, preliminary and unaudited)

SAP Group

	Revenues 12 Mos 2007	Revenues 12 Mos 2006	Change	% Change	Constant Currency % Change
EMEA	5,393	4,901	+492	+10%	+11%
Americas	3,577	3,385	+192	+6%	+14%
Asia Pacific Japan	1,275	1,107	+168	+15%	+20%
Total	10,245	9,393	+852	+9%	+13%

Consolidated Statements of Income SAP Group - 4th quarter
PRELIMINARY and UNAUDITED
in euro millions

	2007	2006	change	const. curr.
Software revenue	1,416	1,243	14%	18%
Support revenue	1,005	914	10%	14%
Subscription and other software related service revenue	53	36	47%	53%
Software and software related service revenue	2,474	2,193	13%	17%
Consulting revenue	605	608	0%	4%
Training revenue	110	105	5%	9%
Other service revenue	29	27	7%	15%
Professional services and other service revenue	744	740	1%	5%
Other revenue	25	16	56%	69%
Total revenue	3,243	2,949	10%	14%
Cost of software and software related services	-389	-296	31%	
Cost of professional services and other services	-561	-555	1%	
Research and development	-408	-376	9%	
Sales and marketing	-642	-551	17%	

General and administration	-138	-134	3%
Other operating income/expense, net	7	50	-86%
Total operating expenses	-2,131	-1,862	14%
Operating income	1,112	1,087	2%
Other non-operating income/ expense, net	7	7	0%
Financial income, net	22	31	-29%
Income from continuing operations before income taxes	1,141	1,125	1%
Income taxes	-384	-317	21%
Minority interests	1	0	0%
Income from continuing operations	758	808	-6%
Income from discontinued operations, net of tax	-2	-4	-50%
Net income	756	804	-6%
Earnings per share - basic in euro from continuing operations	0.63	0.66	-5%
Earnings per share - basic in euro from discontinued operations	0.00	-0.01	N/A
Weighted average number of shares (in thousands), treasury stock excluded	1,201,077	1,219,176	
Effective tax rate from continuing operations	33.7%	28.2%	
Operating margin from continuing operations	34.3%	36.9%	

Consolidated Statements of Income SAP Group
for twelve months ended December 31,
PRELIMINARY and UNAUDITED
in euro millions

	2007	2006	change	const. curr.
Software revenue	3,408	3,003	13%	18%
Support revenue	3,838	3,464	11%	15%
Subscription and other software related service revenue	182	129	41%	46%
Software and software related service revenue	7,428	6,596	13%	17%
Consulting revenue	2,223	2,249	-1%	3%
Training revenue	410	383	7%	11%
Other service revenue	113	96	18%	23%
Professional services and other service revenue	2,746	2,728	1%	4%
Other revenue	71	69	3%	7%
Total revenue	10,245	9,393	9%	13%
Cost of software and software related services	-1,308	-1,091	20%	
Cost of professional services and other services	-2,092	-2,073	1%	
Research and development	-1,457	-1,335	9%	

Sales and marketing	-2,165	-1,908	13%
General and administration	-505	-464	9%
Other operating income/expense, net	17	56	-70%
Total operating expenses	-7,510	-6,815	10%
Operating income	2,735	2,578	6%
Other non-operating income/ expense, net	-1	-12	-92%
Financial income, net	125	122	2%
Income from continuing operations before income taxes	2,859	2,688	6%
Income taxes	-920	-805	14%
Minority interests	-2	-2	0%
Income from continuing operations	1,937	1,881	3%
Income from discontinued operations, net of tax	-14	-10	40%
Net income	1,923	1,871	3%
Earnings per share - basic in euro from continuing operations	1.60	1.53	5%
Earnings per share - basic in euro from discontinued operations	-0.01	-0.01	0%
Weighted average number of shares (in thousands), treasury stock excluded	1,207,314	1,226,263	
Effective tax rate from continuing operations	32.2%	29.9%	
Operating margin from continuing operations	26.7%	27.4%	

CONSOLIDATED BALANCE SHEETS SAP GROUP
CONDENSED AND UNAUDITED - in euro millions
Assets

	12/31/2007	12/31/2006	change
Cash and cash equivalents	1,642	2,399	-757
Restricted cash	550	0	550
Short-term investments	611	931	-320
Accounts receivable, net	2,888	2,440	448
Other assets, inventories	519	371	148
Deferred income taxes	126	108	18
Prepaid expenses/deferred charges	76	75	1
Assets held for sale	16	0	16
Current assets	6,428	6,324	104
Goodwill, intangible assets, net	1,825	1,250	575
Property, plant, and equipment, net	1,317	1,206	111
Investments	76	95	-19
Accounts receivable, net	3	3	0
Other assets	557	533	24
Deferred income taxes	148	69	79
Prepaid expenses/deferred charges	23	23	0
Noncurrent assets	3,949	3,179	770
Total assets	10,377	9,503	874

Liabilities, Minority interests and Shareholders' equity

	12/31/2007	12/31/2006	change
Accounts payable	715	610	105
Income tax obligations	347	297	50
Other liabilities, provisions	1,659	1,461	198
Deferred income	474	405	69

Liabilities held for sale	10	0	10
Current liabilities	3,205	2,773	432
Accounts payable	10	34	-24
Income tax obligations	164	83	81
Other liabilities, provisions	448	412	36
Deferred income	42	55	-13
Total liabilities	3,869	3,357	512
Minority interests	1	10	-9
Shareholders' equity	6,507	6,136	371
Total liabilities, Minority interests and Shareholders' equity	10,377	9,503	874
Days Sales Outstanding	66	68	

CONSOLIDATED STATEMENTS OF CASH FLOWS SAP GROUP
twelve months ended December 31, / unaudited / in euro millions

	2007	2006
Net income	1,923	1,871
Net income from discontinued operations	14	10
Minority interests	2	2
Income from continuing operations before minority interests	1,939	1,883
Adjustments to reconcile income before minority interests to net cash provided by operating activities:		
Depreciation and amortization	260	214
Loss (income) from equity investees	1	1
Loss on disposal of intangible assets and property, plant, and equipment	1	-2
Gains on disposal of investments	-2	0
Write-ups/downs of financial assets	8	0
Impacts of STAR hedging	21	-79
Stock-based compensation including income tax benefits	13	82
Excess tax benefit from stock-based compensation	0	-3
Deferred income taxes	5	-2
Change in accounts receivables	-512	-268
Change in other assets	-296	-215
Change in accrued and other liabilities	430	129
Change in deferred income	117	115
Net cash provided by operating activities from continuing operations	1,985	1,855
Acquisition of minority interests in subsidiaries	-48	0
Business combinations, net of cash and cash equivalents acquired (including prepayments)	-670	-504
Purchase of intangible assets and property, plant, and equipment	-404	-365
Proceeds from disposal of intangible assets and property, plant and equipment	35	29
Cash transferred to restricted cash accounts	-550	0
Purchase of investments	-768	-2,055
Sales of investments	1,025	2,765
Purchase of other financial assets	-20	-17
Sales of other financial assets	15	15
Net cash used in/provided by investing activities from continuing operations	-1,385	-132
Dividends paid	-556	-447
Purchase of treasury stock	-1,005	-1,149
Proceeds from reissuance of treasury stock	156	165
Proceeds from issuance of common stock (stock-based compensation)	44	49
Excess tax benefit from stock-based compensation	0	3
Repayment of bonds	0	-1

Proceeds from short-term and long-term debt	47	44
Repayments of short-term and long-term debt	-48	-43
Proceeds from the exercise of equity-based derivative instruments (STAR hedge)	75	57
Purchase of equity-based derivative instruments (STAR hedge)	0	-53
Net cash used in financing activities from continuing operations	-1,287	-1,375
Effect of foreign exchange rates on cash and cash equivalents	-51	-3
Net cash used in operating activities from discontinued operations	-18	-8
Net cash used in investing activities from discontinued operations	-1	-2
Net cash used in financing activities from discontinued operations	0	0
Net cash used in discontinued operations	-19	-10
Net change in cash and cash equivalents	-757	335
Cash and cash equivalents at the beginning of the period	2,399	2,064
Cash and cash equivalents at the end of the period	1,642	2,399

FOOTNOTES

1) All numbers in this document are based on U.S. GAAP (except for numbers identified as Non GAAP measures in footnote number 2 of Non GAAP measure footnote number 2). As required under U.S. GAAP discontinued operations are reported separately in the income statement for all periods presented. Consequently, all revenue numbers and all income numbers, unless labeled "from discontinued operations", only reflect revenue and income from continuous operations.

2) Non-GAAP Financial Measures

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

NON-GAAP REVENUES, NON-GAAP OPERATING INCOME AND NON-GAAP OPERATING MARGIN

We believe that it is of interest to investors to receive certain supplemental historical and prospective financial information used by our management in running our business - in addition to financial data prepared in accordance with U.S. GAAP. Beginning in 2008 we intend to use both Non GAAP revenues and Non GAAP operating income and margin as defined below consistently in our planning, forecasting, reporting, compensation and external communication:

Non-GAAP revenue: Revenues in this document identified as "Non-GAAP revenue" have been adjusted from the respective U.S. GAAP numbers by including the full amount of Business Objects support revenues that would have been reflected by Business Objects had it remained a stand-alone entity but are not permitted to be reflected as revenues under U.S. GAAP as a result of fair value accounting for Business Objects support contracts in effect at the time of the Business Objects acquisition.

Under U.S. GAAP we will record at fair value the Business Objects support contracts in effect at the time of the acquisition of Business Objects. Consequently, our U.S. GAAP support revenues, our U.S. GAAP software and software related service revenues and our U.S. GAAP total revenues for periods subsequent to the Business

Objects acquisition will not reflect the full amount of support revenue that Business Objects would record for these support contracts absent the acquisition by SAP. Adjusting revenue numbers for this one-time revenue impact provides additional insight into our ongoing performance because the support contracts are typically one-year contracts and renewals of these contracts are expected to result in revenues that are not impacted by the business combination-related fair value accounting.

We believe that our Non-GAAP revenue numbers have limitations, particularly as the eliminated amounts may be material to us. We therefore do not evaluate our growth and performance without considering both Non-GAAP revenues and U.S. GAAP revenues. We caution the readers of this document to follow a similar approach by considering our Non-GAAP revenues only in addition to, and not as a substitute for or superior to, revenues or other measures of our financial performance prepared in accordance with U.S. GAAP.

Non-GAAP operating income / Non GAAP operating margin: Operating income and operating margin in this document identified as "Non-GAAP operating income" or "Non-GAAP operating margin" have been adjusted from the respective operating income and operating margin numbers as recorded under U.S. GAAP by including the full amount of Business Objects support revenues to be included in Non-GAAP revenue, and by excluding acquisition-related charges. Acquisition related charges in this context comprise:

```
-- Amortization expense of intangibles acquired in business combination
   and standalone acquisitions of intellectual property
-- Expense from purchased in-process research and development
-- Restructuring expenses as far as incurred in connection with a business
   combinations and accounted for under SFAS 146 in SAP's U.S. GAAP
   financial statements
```

Although acquisition-related charges include recurring items from past acquisitions, such as amortization of acquired intangible assets, they also include an unknown component, relating to current-year acquisitions. We cannot accurately assess or plan for that unknown component until we have finalized our purchase price allocation. Furthermore acquisition-related charges may include one-time charges that are not reflective of our ongoing operating performance.

We believe that our Non-GAAP financial measures described above have limitations, particularly as the eliminated amounts may be material to us. We therefore do not evaluate our growth and performance without considering both Non-GAAP operating income and margin numbers and U.S. GAAP operating income and margin numbers. We caution the readers of this document to follow a similar approach by considering our Non-GAAP operating income and margin numbers only in addition to, and not as a substitute for or superior to, revenues or other measures of our financial performance prepared in accordance with U.S. GAAP.

The Non-GAAP revenues and Non GAAP operating income and margin data reported in this document reconcile to the nearest U.S. GAAP measure as follows:

	GAAP measure	Business Objects support revenues not recorded under US-GAAP	Acquisition related charges	Non-GAAP measures
Software and software related service revenue	7,428	-	-	7,428
Total revenue	10,245	-	-	10,245
Total operating expenses	-7,510	-	61	-7,449
Operating income	2,735	-	61	2,796
Operating margin	26.7%			27.3%

FREE CASH FLOW:

We believe that free cash flow is a widely accepted supplemental measure of liquidity. Free cash flow measures a

company's cash flow remaining after all expenditures required to maintain or expand the business have been paid off. We calculate free cash flow as operating cash flow from continuing operations minus additions to long-lived assets excluding additions from acquisitions. Free cash flow should be considered in addition to, and not as a substitute for or superior to, cash flow or other measures of liquidity and financial performance prepared in accordance with U.S. GAAP. Free cash flow reconciles to the nearest U.S. GAAP measure as follows:

Reconciliation for twelve months ended December 31
In euro millions

	2007	2006
Net cash provided by operating activities from continuing operations	1,985	1,855
Additions to long-lived assets excluding additions from acquisitions	-404	-365
Free cash flow	-1,581	1,490

Constant Currency Period-Over-Period Changes

We believe it is important for investors to have information that provides insight into our sales growth. Revenue measures determined under U.S. GAAP provide information that is useful in this regard. However, both growth in sales volume and currency effects impact period-over-period changes in sales revenue. We do not sell standardized units of products and services, so we cannot provide relevant information on sales volume growth by providing data on the growth in product and service units sold. To provide additional information that may be useful to investors in breaking down and evaluating sales volume growth, we present information about our revenue growth and various values and components relating to operating income that are adjusted for foreign currency effects. We calculate constant currency year-over-year changes in revenue and operating income by translating foreign currencies using the average exchange rates from the previous (comparator) year instead of the report year.

We believe that data on constant currency period-over-period changes have limitations, particularly as the currency effects that are eliminated constitute a significant element of our revenues and expenses and may severely impact our performance. We therefore limit our use of constant currency period-over-period changes to the analysis of changes in volume as one element of the full change in a financial measure. We do not evaluate our growth and performance without considering both constant currency period-over-period changes on the one hand and changes in revenues, expenses, income, or other measures of financial performance prepared in accordance with U.S. GAAP on the other. We caution the readers of this document to follow a similar approach by considering data on constant currency period-over-period changes only in addition to, and not as a substitute for or superior to, changes in revenues, expenses, income, or other measures of financial performance prepared in accordance with U.S. GAAP.

Constant currency year-over-year changes in revenue and operating income reconcile to the respective unadjusted year-over-year changes as follows:

Reconciliation of constant currency period-over-period changes for three months ended December 31

	Percentage change from 2006 to 2007 as reported	Constant currency percentage change from 2006 to 2007	Currency effect Percentage points
	%	%	
Software revenue	14	18	-4
Support revenue	10	14	-4
Subscription and other software related service revenue	47	53	-6
Software and software related service revenue	13	17	-4
Consulting revenue	0	4	-4
Training revenue	5	9	-4
Other service revenue	7	15	-8
Professional services and other			

service revenue	13	17	-4
Other revenue	56	69	-13
Total revenue	10	14	-4
Software revenue by region*:			
EMEA region	12	14	-2
Americas region	9	17	-8
Asia Pacific Japan region	40	44	-4
Software revenue	14	18	-4
Software and software related service revenue by region:			
Germany	11	11	0
Rest of EMEA region	15	17	-2
EMEA region	13	14	-1
United States	2	14	-12
Rest of Americas region	23	24	-1
Americas region	7	16	-9
Japan	15	22	-7
Rest of Asia Pacific Japan region	36	38	-2
Asia Pacific Japan region	28	32	-4
Software and software related service revenue	13	17	-4
Total revenues by region:			
Germany	8	8	0
Rest of EMEA region	12	14	-2
EMEA region	10	12	-2
United States	3	15	-12
Rest of Americas region	16	17	-1
Americas region	6	15	-9
Japan	7	15	-8
Rest of Asia Pacific region	27	29	-2
Asia Pacific Japan region	19	24	-5
Total revenue	10	14	-4
Operating Income	2	7	-5

*) Based on customer location

Reconciliation of constant currency period-over-period changes for twelve months ended December 31

	Percentage change from 2006 to 2007 as reported	Constant currency percentage change from 2006 to 2007	Currency effect
	%	%	Percentage points
Software revenue	13	18	-5
Support revenue	11	15	-4
Subscription and other software related service revenue	41	46	-5
Software and software related service revenue	13	17	-4
Consulting revenue	-1	3	-4
Training revenue	7	11	-4
Other service revenue	18	23	-5
Professional services and other service revenue	1	4	-3
Other revenue	3	7	-4
Total revenue	9	13	-4
Software revenue by region*:			
EMEA region	14	15	-1
Americas region	8	16	-8
Asia Pacific Japan region	28	32	-4

Software revenue	13	18	-5
Software and software related service revenue by region:			
Germany	7	7	0
Rest of EMEA region	17	19	-2
EMEA region	13	14	-1
United States	6	16	-10
Rest of Americas region	18	22	-4
Americas region	9	17	-8
Japan	10	21	-11
Rest of Asia Pacific Japan region	25	26	-1
Asia Pacific Japan region	19	24	-5
Software and software related service revenue	13	17	-4
Total revenue by region:			
Germany	5	5	0
Rest of EMEA region	13	15	-2
EMEA region	10	11	-1
United States	4	13	-9
Rest of Americas region	12	15	-3
Americas region	6	14	-8
Japan	4	14	-10
Rest of Asia Pacific Japan region	22	24	-2
Asia Pacific Japan region	15	20	-5
Total revenue	9	13	-4
Operating Income	6	11	-5

*) Based on customer location

3) Core Enterprise Applications Vendor Share

Beginning in the first quarter of 2007, the Company began using software and software related service revenues for defining Core Enterprise Application Vendor Share because the Company believes that this is the most important indicator for vendor share oriented analysis with the realignment of its income statement structure. Prior to the first quarter of 2007, the Company had been using software revenues for defining Core Enterprise Application Vendor Share.

The Company provides share data based on the vendors of Core Enterprise Applications solutions, which account for approximately $36.7 billion in software and software related service revenues as defined by the Company based on industry analyst research. For 2007, industry analysts project approximately 7% year-on-year growth for core Enterprise Applications vendors. For its quarterly share calculation, SAP assumes that this approximate 7% growth will not be linear throughout the year. Instead, quarterly adjustments are made based on the financial performance of a sub set (approximately 25) of Core Enterprise Application vendors.

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Telelogic Annual Statement 2007

29 January 2008

• Revenue for 2007 rose 17% in local currency, thus exceeding our growth target for the year. Revenue in the fourth quarter increased 17% in local currency.

• License sales increased 25% in local currency during the fourth quarter, and 22% in local currency for 2007.

• Pre-tax profit increased 42%, to MSEK 139.3 for the fourth quarter, and 48%, to MSEK 309.9 for 2007.

• Earnings per share for 2007 rose 45% to SEK 0.94, thus reaching our earnings target for the year.

Earnings per share increased 43% in the fourth quarter.

- Cash flow from current operations totaled MSEK 286.4 for 2007.

CEO´s comments on the quarter:

"Our operations enjoyed good growth in 2007, and our sales and earnings gradually improved over the year. The uncertainty that naturally arose as a result of the tender offer for Telelogic's shares that was announced on June 11, 2007 has been dealt with effectively, and we have gradually regained customer confidence. In the third quarter we raised our previously announced full year growth and earnings per share forecasts. Both these targets have now been reached by a good margin.

Our new, product-focused organization is functioning smoothly, and all our product categories have enjoyed solid growth. I am especially happy to see that two of our three product categories progressed from weak growth in 2006 to double-digit growth in 2007, and that our acquired products are continuing to develop favorably.

Geographically speaking, EMEA has been the strongest market division for Telelogic during the year, although all our market divisions achieved double-digit growth for the full year. Contribution margins also gradually improved over the year, resulting in Telelogic's best operating margin since our IPO nine years ago.

Telelogic is in good shape for 2008."

Anders Lidbeck, President and CEO for Telelogic

Key numbers October - December 2007

Revenue: 502.3 SEK million (445.3 SEK million)

Pre-tax profit: 139.3 SEK million (98.4 SEK million)

Income after tax: 105.2 SEK million (73.3 SEK million)

Earnings per share: 0.43 SEK (0.30 SEK)

Cash flow, current operations: 96.5 SEK million (74.3 SEK million)

Key numbers January - December 2007

Revenue: 1 717.3 SEK million (1 524.9 SEK million)

Pre-tax profit: 309.9 SEK million (209.4 SEK million)

Income after tax: 232.4 SEK million (159.9 SEK million)

Earnings per share: 0.94 SEK (0.65 SEK)

Cash flow, current operations: 286.4 SEK million (288.9 SEK million)

Key numbers for corresponding period from previous year in parenthesis.

The full report is available in pdf-format on http://www.telelogic.com

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Implementation Investments

Aibel Group Joins Bentley's Enterprise License Subscription Programs

28 January 2008

Bentley Systems, Incorporated announced that Aibel, a Norway-based leading provider of services, products, and technologies to the global upstream oil and gas industry with 16 offices around the world, has joined Bentley's Enterprise License Subscription (ELS) program. Bentley's ELS program grants organizations unlimited access to the entire ELS software portfolio for a fixed annual fee. The portfolio covers all the architectural, engineering, construction (AEC) and geospatial software needs of subscribers, providing building, plant, civil, and geospatial solutions and supporting a managed environment for their AEC and geospatial IT. The total coverage at a fixed, discounted price means that organizations can increase their software productivity and reduce their total AEC and geospatial software costs simultaneously. The unlimited access streamlines AEC and geospatial software administration while the annual term simplifies budgeting and accounting.

Lars Line Vaaland, IS and IT vice president of Aibel, said, "Aibel continues to grow its global engineering business, and in doing this we have a strong focus on using common processes and tools on a global basis.

"Our ELS gives us global access to a broad set of common tools for the design and management of our projects. All of this helps us build upon our reputation for innovative, flexible engineering practices and increases our ability to develop sustainable designs that meet our clients' needs."

Immediately, Bentley's ELS gives Aibel a quick, cost-effective way to offer its clients technically creative alternatives and sustainable solutions for its projects. As a strategic benefit, Bentley's ELS helps organizations such as Aibel become more agile. Project starts can happen faster and teams can reconfigure more quickly for new opportunities. No-charge pilots allow new technology to be infused into projects more readily. ELS agreements can include partners, extending the agility and multiplying the benefits in global projects.

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Assembly Equipment Specialist teamtechnik Implements Forward-Looking IT Strategy

25 January 2008

teamtechnik GmbH, with headquarters in Freiberg/Neckar, is a fast-growing, internationally reputed company specialized on turn-key solutions for assembly and testing equipment. The group has re-organized its IT architecture, now employing CIM DATABASE as a multi-site, multi-CAD and multi-lingual PDM/PLM system, interfacing with the also newly installed PSIPENTA ERP software. Strategic demand is an encompassing process support. In consequence, the scope of the new, highly integrated PDM/ERP application far surpasses the functions of the former systems for CAD data management and workflow processing: with CIM DATABASE, teamtechnik now commands a company-wide data-hub controlling data, documents, processes and projects, focused on product design and the virtual products.

For teamtechnik, CIM DATABASE organizes the safe filing and handling of data and documents that are generated by the CAD applications SolidWorks and ME10 as well as Microsoft Office. Via the PSIPENTA interface, order proceedings are automatically generated as projects within the PDM system, parts and BOMs reconciled with ERP data. teamtechnik also employs CIM DATABASE's Engineering

Change Management to precisely communicate engineering change and document equipment history. Information dissemination is – whenever applicable – event-triggered and automated. Authorized work results together with all documentation are filed in the digital archive, available company-wide for further reference or extensive plots. In a second stage, it is planned to integrate the E-CAD application EPLAN, monitoring all documents generated within product design by CIM DATABASE.

teamtechnik is a turn-key contractor of production technology and flexible, automated assembly equipment for the automotive, medical and photovoltaic industries. Be it testing equipment for car gearbox assemblies or eye-lens production units: common denominator for the group's products is the modularity of its mechanical, measurement, control and test engineering equipment and software that enables customers to smoothly respond to demands such as changes in automation level, production batch variations, engineering or production changes. More than 140 CAD/CAE seats with world-wide 350 employees on sites in Europe, Asia, North and South America testify the high degree of specialization and minimal vertical integration. "Our key competence lies with the design of tailored customer solutions", says Harald Kurz, head of teamtechnik's IT department. "To optimally support our product design, our systems benchmark favoured CIM DATABASE's best-in-class concept as a strategic, integrative platform for engineering demands".

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Autodesk Announces Triple Eight Race Engineering Australia as Inventor of the Month for January 2008

31 January 2008

Autodesk, Inc. announced that Triple Eight Race Engineering Australia (Triple Eight Australia) has been named as the Autodesk Inventor of the Month for January 2008. The Inventor of the Month program (http://www.autodesk.com/inventorofthemonth) recognizes the most innovative design and engineering advancements made by the extensive community using Autodesk Inventor software, which provides the foundation for Digital Prototyping (http://www.autodesk.com/digitalprototyping).

The Australian branch of one of the world's most successful auto racing operations, Triple Eight Australia competes as Team Vodafone in Australia's highly competitive V8 Supercars race competition. Since winning the V8 Supercars championship is largely a matter of having the best car on the track, Triple Eight Australia designers use Autodesk Inventor software to experience and optimize the performance of the car before it reaches the track.

"We are often looking to improve the car's performance by hundredths of a second in a lap that lasts just one minute and 30 seconds," said Peter Jamieson, commercial manager for Triple Eight Australia. "When every single one-hundredth of a second counts, every part of the process can make a difference. The time that we spend on Autodesk Inventor at the workstation developing an efficient design is directly responsible for the ultimate performance of the car."

Inventor Professional allows Triple Eight Australia to produce complete digital prototypes of its racecars that validate the form, fit, and function of a design before it is built. These accurate 3D models enable the company to simulate how a design will work under real world conditions without having to expend time and resources on building a physical prototype. As a result, Triple Eight Australia is able to optimize the design and performance of every single car part, from the pedals to the pistons.

Triple Eight Australia's investments in Digital Prototyping have paid off, allowing the company to hone in on and improve specific areas of performance in its racecars. The results have been a series of

increasingly impressive performances on the racetrack, including second place finishes in the V8 Supercars championship in each of the last three years.

"By effectively leveraging Inventor to create digital prototypes, Triple Eight Australia is turning the design process into a competitive advantage," said Robert "Buzz" Kross, senior vice president of Autodesk Manufacturing Solutions. "Their outstanding results on the racetrack speak for themselves, and we are pleased to name Triple Eight Australia as the Autodesk Inventor of the Month for January."

For more information on Autodesk Inventor of the Month, contact IOM@autodesk.com.

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Avatech Solutions Helps Veristic Technologies Cut Design Time by 75%

31 January 2008

Avatech Solutions, Inc. announced that Veristic Technologies has engaged Avatech to create advanced design engineering systems to support rapid growth.

Houston-based Veristic Technologies designs and produces self-erecting oil rigs for its growing customer base. Veristic's patented technology in building specialized equipment for unique customer applications is redefining the status quo in the industry. Orders for customized oil rigs in 2008 have increased by over 1000% from the year before. With each rig containing up to 10,000 parts, Veristic needed an effective 3D technology solution to speed design and ensure timely deliveries to their customers.

In addition to Autodesk Inventor, Avatech recommended the implementation of a data management solution so that Veristic could easily locate and reuse model components and create accurate bills of material from the 3D models. "We will trim the time it takes to customize a new rig from one month down to five days. The productivity gains will allow our employees to do more in less time, which means we'll also see huge savings in hiring costs," says Ted Vora, President of Veristic.

"Avatech's expertise in the manufacturing industry provides clients with technical advice that leads directly to a better bottom line," says Scott Hale, Vice President of Manufacturing at Avatech Solutions. "Our approach is to understand the needs of clients as though their business were our own so that we can partner with them to make the best possible technology decisions."

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Burns & McDonnell Joins Bentley's Enterprise License Subscription Programs

28 January 2008

Bentley Systems, Incorporated announced that Burns & McDonnell, a Kansas City, Missouri-based leading engineering, architecture, construction, environmental, and consulting services firm and No. 35 in Engineering News-Record's 2007 Top 500 Design Firms, has joined Bentley's Enterprise License Subscription (ELS) program. Bentley's ELS program grants organizations unlimited access to the entire ELS software portfolio for a fixed annual fee. The portfolio covers all the architectural, engineering, construction (AEC) and geospatial software needs of subscribers, providing building, plant, civil, and geospatial solutions and supporting a managed environment for their AEC and geospatial IT. The total coverage at a fixed, discounted price means that organizations can increase their software productivity and reduce their total AEC and geospatial software costs simultaneously. The unlimited access

streamlines AEC and geospatial software administration while the annual term simplifies budgeting and accounting.

Kris Paper, IT director for Burns & McDonnell, said, “Burns & McDonnell has made remarkable strides in providing engineering, procurement, and construction services for our infrastructure, process and industrial, energy, and environmental clients. We’re pleased with our ability to make our clients successful and will continue to aggressively pursue our goal of becoming the best in our field.

“Providing creative solutions that maximize the value of our broad experience and expertise is a Burns & McDonnell hallmark. This requires the best people, processes, and technologies. Bentley’s ELS will give us ready access to the best technical solutions, and make it easier for us to use the advanced software solutions that are a best-fit with our clients’ individual requirements and preferences.”

Immediately, Bentley’s ELS will give Burns & McDonnell a quick, cost-effective way to offer its clients creative technical alternatives and solutions for all projects. As a strategic benefit, Bentley’s ELS helps organizations such as Burns & McDonnell become more agile. Project starts can happen faster and teams can reconfigure more quickly for new opportunities. No-charge pilots allow new technology to be infused into projects more readily. ELS agreements can include partners, extending the agility and multiplying the benefits in global projects.

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Catalog Data Solutions 3D-Powered Online Catalog Selected by Design World and R+W Couplings

29 January 2008

Catalog Data Solutions (CDS) announced the launch of the R+W Couplings 3D-Powered Online Catalog available at via Design World Community http://www.designworldonline.com. Key capabilities include easy interactive online navigation, parametric part selection, online 3D viewing of parts and CAD downloads in formats suitable for all major CAD systems.

“The requirement for R+W Couplings was an easy to use online parts catalog for some key components with both graphical and attribute search for our customers that provides an advanced user experience online 24X7. The objective is to save the designers time in selecting the right part and downloading the CAD model rather than re-drawing,” said Marshall Matheson, VP new media at Design World. “We chose CDS for rapid delivery, graphical and attribute search and on-demand delivery integrated directly into our website.”

R+W Couplings is an international manufacturing company specialized in the design and manufacture of flexible shaft coupling for power transmission. Responding to US customer requests for CAD models of its products, R+W Couplings decided to offer a 3D-Powered Online Catalog via Design World Online. “We frequently got requests from customers for CAD models” said Andrew Lechner, Product Manager at R+W Couplings America. “By adding this 3D-Powered Online Catalog we are meeting that need and expect to see an increase in our sales.”

“We are delighted to have been selected by Design World and R+W Couplings for our leading online CAD model download solution, lead tracking system and affordable CAD services”, said John Major, CEO Catalog Data Solutions, “online 3D models are an important sales and marketing tool for all industrial suppliers and distributors. With many customers moving from 2D to 3D CAD systems providing online 3D CAD model downloads often ‘locks’ products into a design so suppliers later benefit from the sales success of that design. Suppliers without 3D models on their website are at risk of

losing customers to their competition who do offer 3D models".

Catalog Data Solutions helps industrial manufacturers, suppliers, and distributors grow sales and strengthen customer loyalty through interactive online catalogs, spare parts catalogs, ecommerce, 3D CAD model delivery and product configurator solutions. Studies show that over 90% of designers and engineers now use the Internet to locate components for their new designs. For interactive ease of use, ease of setup, 2D or 3D graphics and attribute search nothing betters a CDS catalog.

About Design World and Design World Community

Design World Magazine is focused on serving the design engineer and OEM machine builder across several growth markets. The Design World Community of websites provides timely industry and application editorial, 3D CAD models, tips, tutorials, forums, and targeted engineering resources by product and technology. For full information, visit http://www.designworldonline.com

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CENIT, CS and PROSTEP Combine Their "Application Services" Competence for EADS

28 January 2008

The creation of a strong partner network and technological innovations are amongst the highest challenges for EADS in the coming years. An increasing importance is attached to the coordination of research, engineering and manufacturing within the extended enterprise and the corporate strategy. To address these EADS challenges, three leading consultancy and software companies, specialists in development for industrial solutions and Product Lifecycle Management; CS Communication & Systèmes, CENIT AG and PROSTEP AG, have now formed a joint venture. The cooperation operates under the name CenProCS AIRliance GmbH.

Through this joint venture, CenProCS AIRliance can optimally support the increasing innovation speed within the EADS group and adapt its technology portfolio to the business strategy of EADS.

The three companies forming the consortium work for one common goal: propose EADS solutions adapted to its stakes. The cooperation offers the chance for all three companies to participate in major projects and thus also to strengthen and expand their own partner status as an official strategic IT service partner. Today the three companies achieve revenue of over €30 mio. with the EADS Group and work in parallel for numerous suppliers and OEMs in the international aerospace industry.

CenProCS AIRliance expertise include Project Management, Engineering and Manufacturing services, Product Lifecycle Management including Product Data Management, CAx and DMU technologies, Virtual Reality and Digital Factory solutions. This extensive portfolio is complemented by innovative software and service solutions developed using the most state of the art software programming tools.

The consortium features "Special Expertise" by propagating technological and expert know-how into the aerospace supply chain. Consultancy and software solutions are complemented with Application Management Outsourcing and special software development capabilities.

"The benefits for EADS and Airbus are significant. The industry leader can now access proven know-how and expertise of all three companies through one singular contractual partner," explains Dr. Bernd Pätzold, Member of the Executive Board at PROSTEP AG.

„The consortium leads to additional economic advantages since it incorporates international and thus also transnational solutions and services, " adds Daniel Abehsera, COO of CS.

Kurt Bengel, Member of the CENIT Executive Board, agrees and underlines: „Together, we can guarantee a global and efficient service and software quality. Through the cooperation, we can now render services for EADS in Germany, France, Spain, the UK, the US, in India and Romania. A significant competitive advantage for all participants."

CENIT is an internationally operating consulting company with more than 600 employees. The company's business fields are Product Lifecycle Management, Enterprise Content Management and Application Management Outsourcing.

In 2006, CENIT achieved revenue of €82.2. mio. CENIT business focus is set on Product Lifecycle Management consultancy and software solutions for manufacturing industries. PLM Consultancy services facilitate the representation of product lifecycle through innovative technologies such as CATIA, DELMIA, ENOVIA and mySAP PLM. Additionally, CENIT offers software development and Application Management services. Besides international corporations such as BMW, Daimler, EADS AIRBUS, Audi etc., CENIT's customer base also includes numerous medium-sized companies from the automotive and manufacturing industry, as e.g. Dürr, ISE, Emil Bucher or Webasto.

Designer, Integrator and operator of mission critical systems, CS provides to its customers in France, Europe and around the world with operations in defense and security, aeronautics, space, energy, transportation,. In 2006 CS reached revenue of €331 Mio with a workforce of 3,200 employees.

CS has a unique position, sustained by three key competitive advantages: 1- Prime contractor of complex, high-value projects, 2- integration and a comprehensive vision of customers entire value chain and 3- innovation and teamwork in the interest of successful change strategies for high performance and technology.

As a prime contractor and operator on large, complex projects, CS relies on its centers of technological excellence in order to meet the high-stakes challenges of its customers: simulation & virtual reality, embedded systems, information system security, safety and continuity of operations, technical information systems (PLM, EDM, GIS, and others), , freeware, and software & system engineering.

PROSTEP AG is recognized as the leading PLM integration specialist in the area of product data integration. The company offers its customers - integration solutions for CAD, PDM and supplier communication, thus making e-engineering a reality. PROSTEP AG and its subsidiaries have a current headcount of more than 270 in Germany, France and the USA. It posted revenues of EUR 21.7 million in fiscal 2006. In addition to its headquarters in Darmstadt, PROSTEP AG also maintains branch offices in Berlin, Bexbach, Hamburg, Hanover, Munich, Stuttgart, Wolfsburg and Wuppertal, as well as Lyon (France) and Troy (Michigan, USA).

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Linde Group Joins Bentley's Enterprise License Subscription Program

29 January 2008

Bentley Systems, Incorporated announced that Linde Group, a world-leading industrial gases, medical gases, and engineering company based in Munich, Germany, has joined Bentley's Enterprise License Subscription (ELS) program. Bentley's ELS program grants organizations unlimited access to the entire ELS software portfolio for a fixed annual fee. The portfolio covers all the architectural, engineering, construction (AEC) and geospatial software needs of subscribers, providing building, plant, civil, and geospatial solutions and supporting a managed environment for their AEC and geospatial IT. The total

coverage at a fixed, discounted price means that organizations can increase their software productivity and reduce their total AEC and geospatial software costs simultaneously. The unlimited access streamlines AEC and geospatial software administration while the annual term simplifies budgeting and accounting.

Güvenc Özer, head of Commercial Solutions Management (WP&CS) for Linde Group, said, "Linde Group's Gas and Engineering business segment comprises our activities in industrial and medical gases as well as in plant construction. Both of these areas benefit from mutual exchanges of expertise on major projects all around the world. An example of this successful cooperation is our on-site business, where Linde Gas and Linde Engineering work together to supply major industrial consumers with industrial gases from plants installed directly on the customer's own site.

"Bentley's ELS will help facilitate these international implementations by enabling us to quickly and cost-effectively deploy licenses for the advanced software applications we need where and when we need them. Our customers benefit from projects that are completed successfully and on schedule, and we benefit from the streamlined workflows and increased productivity that naturally result when our teams are able to work collaboratively using Bentley's integrated solutions."

Immediately, Bentley's ELS will give Linde Group a quick, cost-effective way to offer its clients creative technical alternatives and solutions for all projects. As a strategic benefit, Bentley's ELS helps organizations such as Linde Group become more agile. Project starts can happen faster and teams can reconfigure more quickly for new opportunities. No-charge pilots allow new technology to be infused into projects more readily. ELS agreements can include partners, extending the agility and multiplying the benefits in global projects.

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Magma's Talus Selected by NVIDIA as Standard IC Implementation Platform for 45-nm Chips

30 January 2008

Magma® Design Automation Inc. announced that NVIDIA Corporation standardized on Magma's Talus® IC implementation software for design of 45-nanometer (nm) integrated circuits. NVIDIA selected Talus because it offers advanced capabilities for addressing 45-nm design challenges, supporting leading edge 45-nm routing rule and extraction, low-power design and large, high-utilization macro-rich designs. By leveraging Talus' advanced, integrated capabilities such as a congestion-aware automated macro placer, rapid timing and DRC closure, and sign-off-correlated post-layout optimization, NVIDIA can achieve better time to market and higher productivity.

"NVIDIA produces some of the world's largest designs at advanced process nodes, and the success of these designs is dependent on meeting very tight time-to-market demands," said David Dumoulin, director of Engineering at NVIDIA. "Because of this, improving our overall design quality is important. The Talus platform, which provides unique integrated features that directly address our 45-nm design challenges, allows us to significantly accelerate design optimization to achieve better quality of results."

"Magma's Talus IC implementation software provides advanced capabilities, a high degree of automation and a proven predictable flow," said Kam Kittrell, general manager of Magma's Design Implementation Business Unit. "NVIDIA's decision to standardize on Talus for its 45-nm ICs confirms Magma software's ability to address the design challenges of advanced process nodes."

Talus: The Platform for 45-nm Design

Magma's Talus IC implementation software provides advanced capabilities for 45-nm design within an integrated and highly automated RTL-to-GDSII flow. The front-end product allows logic designers to synthesize, visualize, evaluate and improve RTL code quality, design constraints, testability requirements and floorplan. Talus also integrates fast, full-featured, high-capacity predictable synthesis capabilities, full and incremental static timing analysis and power analysis. Magma's physical design solution includes optimization, place and route, useful skew clock generation, floorplanning and power planning, RC extraction and a single, built-in incremental timing analyzer. Based on Magma's unified data model, this platform accurately predicts final timing prior to detailed placement, eliminates timing closure iterations and enables rapid design closure while taking into account 45-nm effects such as on-chip variation (OCV). Magma supports leading foundries' 45-nm routing rules and parasitic technology files.

The Magma platform also includes advanced power optimization and management capabilities, and implements multiple power-saving design strategies to achieve maximum power reduction. The Magma system integrates low-power analysis and optimization engines throughout the entire RTL-to-GDSII flow. The system supports advanced techniques such as native multi-Vt, automated multi-voltage designs, adaptive voltage scaling using concurrent multicorner optimization and multi-Vdd, and physical implementation that meets leading foundries' 45-nm dynamic and leakage power requirements.

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New Standards for Customer Service: State-Of-The-Art Cars Know Their Own Service Needs

29 January 2008

T-Systems has developed a service solution for the automotive industry that is one-of-a-kind worldwide. This solution will be exclusively featured in cars manufactured by BMW. With BMW TeleServices, the premium car manufacturer is providing its authorized service partners with a system that sets entirely new standards for customer service. T-Systems, the business customer unit of Deutsche Telekom, designed, developed and tested the communications technology in cooperation with BMW. The ICT service provider also supported the rollout in Germany, Austria and France. More countries will follow in 2008.

The innovative system enables the car's maintenance data to be transmitted to an authorized service partner almost completely independent of the car's location. Using a wireless card from T-Mobile, which is built into the car, the on-board computer transmits data to the diagnostic systems at BMW headquarters via a data connection. Now, for the first time, this data exchange can also be used without the SIM card. All cell phones approved for BMW TeleServices can now be used for these new services.

The system forwards the vehicle's service request to the assigned BMW service partner, which then contacts the driver to schedule an appointment. Data received in advance makes it possible for the BMW service partner to make optimal preparations for the required maintenance. When the car arrives at the BMW service partner, the mechanic already has information on the car's state, for example whether it needs an oil change and the condition of the brakes. The service order is prepared before the car arrives; shop resources have been made available, the necessary replacement parts have been ordered and the mechanic already knows what needs to be done: All of this makes servicing cars faster, simpler and more economical both for customer service and for the drivers themselves.

Since September 2007, all new BMW models have hit the streets equipped with BMW TeleServices. The service can be activated immediately in combination with the navigational device and monitor. A

switchboard developed by T-Systems manages the entire data exchange and functions as the hub between the cars, the BMW service partners and the central server.

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Nimble Upstart ZENN Motor Company Implements Arena PLM to Deliver New, Innovative Electric Vehicle to Market

30 January 2008

Arena Solutions announced that the nimble upstart ZENN Motor Company, a leading developer, manufacturer and supplier of innovative zero-emission electric vehicles, has adopted Arena PLM to help it leap-frog traditional automotive company competition and deliver transportation solutions that positively impact our environment and significantly reduce operating costs for drivers. ZENN Motor Company uses on-demand Arena PLM to manage its entire product record, control engineering changes, comply with industry regulations, and improve collaboration with the company's supply chain.

ZENN (Zero Emissions, No Noise) Motor Company (ZMC) was born from the idea there had to be a better way to move around cities without contributing to the huge degradation of air quality created by traditional cars. ZMC founders stepped up to tackle a serious environmental problem and in the process, are changing the world, one car at a time. The company has taken on old ways of thinking, and using on-demand Arena PLM technology to their advantage to come up as winners in a market that's poised for significant growth.

"We thrive on providing drivers with choices they can feel good about. Working with our internationally respected partners, including Arena Solutions, we're bringing the world's finest zero-emission vehicles to market and setting a new standard for what electric vehicles should be," said Michael Bergeron, vice president, Engineering, ZENN Motor Company. "Arena PLM gives us the ability to manage a tremendous amount of product information, collaborate with our key suppliers, and comply with industry standards -- all with extreme confidence -- as we bring our game-changing ZENN vehicles to market."

Prior to adopting Arena PLM, ZENN experienced significant growth, going from concept to shipping over 200 units in less than 18 months. The company sought and found in Arena Solutions a PLM system that would give it the ability to connect its manufacturing facility in Quebec, Canada and major suppliers in both Europe and North America, a standardized engineering change order (ECO) process, the ability to quickly comply with industry standards, and accurately share appropriate information with ZENN's key supply chain partners. The company has since been able to provide its engineering teams with product information, including product costing, earlier in the development cycle, to fuel continued improvement to the product, prevent costly mistakes, enable the team to reuse components, and drive cost improvements.

With a small IT staff, ZENN Motor Company was also able to benefit from Arena PLM's web native, on-demand (SaaS) delivery platform, which meant they didn't need to invest in new hardware or any additional IT support, something that would have been required of them had they chosen traditional client/server PLM software. Arena PLM offered ZMC significant advantages related to connectivity, in addition to cost savings, security, ease of implementation and use. Through a free-trial program, ZMC was able to easily upload several BOMs, create a change process, and learn basic system administration in Arena PLM before they ever subscribed to the service. Shortly after the trial, ZENN Motor Company implemented a customized version of Arena PLM in just five weeks.

"Changing the world is a daunting task, but for visionary companies like ZENN Motor Company, it just takes one vehicle at a time. Each time ZMC delivers another vehicle, our environment is better off for it. The company is a nimble upstart that has just what it takes to leap-frog the traditional car companies and make electric cars for the average consumer become a reality," said Michael Topolovac, chief executive officer, Arena Solutions. "We're thrilled they are gaining ground and using our Arena PLM technology to support their effort."

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NLI Engineering Oil & Gas Joins Bentley's Enterprise License Subscription Program

30 January 2008

Bentley Systems, Incorporated announced that Norway-based NLI Engineering Oil & Gas as, a leading supplier of engineering and fabrication services to the oil, gas, and land-based industries, has joined Bentley's Enterprise License Subscription (ELS) program. Bentley's ELS program grants organizations unlimited access to the entire ELS software portfolio for a fixed annual fee. The portfolio covers all the architectural, engineering, construction (AEC), and geospatial software needs of subscribers, providing building, plant, civil, and geospatial solutions and supporting a managed environment for their AEC and geospatial IT. The total coverage at a fixed, discounted price means that organizations can increase their software productivity and reduce their total AEC and geospatial software costs simultaneously. The unlimited access streamlines AEC and geospatial software administration while the annual term simplifies budgeting and accounting.

Egil Solheim, managing director of NLI Engineering Oil & Gas, said, "By taking full responsibility for projects from concept development to the end product, we provide our clients with worry-free project execution. This results in high quality, distinctive, state-of-the-art project deliverables. However, to accomplish all of this, we need the flexibility to quickly deploy a wide range of advanced AEC software solutions no matter where the project team is located.

"Bentley's ELS gives us this capability while also saving us time and money. In addition, because Bentley's software tools are fully integrated and interoperate among themselves as well as with many other vendors' software, we can work collaboratively across disciplines. This leads to streamlined workflows that increase our productivity and help us deliver our projects on schedule."

Immediately, Bentley's ELS will give NLI Engineering Oil & Gas a quick, cost-effective way to offer its clients creative technical alternatives and solutions for all projects. As a strategic benefit, Bentley's ELS helps organizations such as NLI Engineering Oil & Gas become more agile. Project starts can happen faster and teams can reconfigure more quickly for new opportunities. No-charge pilots allow new technology to be infused into projects more readily. ELS agreements can include partners, extending the agility and multiplying the benefits in global projects.

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NNE Pharmaplan Joins Bentley's Enterprise License Subscription Program

29 January 2008

Bentley Systems, Incorporated announced that Denmark-based NNE Pharmaplan, a global leading engineering and consultancy company focused entirely on the pharmaceutical and biotech industries, has joined Bentley's Enterprise License Subscription (ELS) program. Bentley's ELS program grants

organizations unlimited access to the entire ELS software portfolio for a fixed annual fee. The portfolio covers all the architectural, engineering, construction (AEC) and geospatial software needs of subscribers, providing building, plant, civil, and geospatial solutions and supporting a managed environment for their AEC and geospatial IT. The total coverage at a fixed, discounted price means that organizations can increase their software productivity and reduce their total AEC and geospatial software costs simultaneously. The unlimited access streamlines AEC and geospatial software administration while the annual term simplifies budgeting and accounting.

Lars Bjorn Christensen, IT project management specialist of NNE Pharmaplan and chairman of the Danish Bentley Plant User Group, said, “Minimizing time-to-market for new products and the capability to switch rapidly from one product to another are essential needs of pharmaceutical and biotechnological companies. To address them, NNE Pharmaplan has developed a flexible modular approach to facility design and engineering. Our modular approach has made it possible to reduce the execution time of greenfield fast-track projects to 12 months – from the start of detailed design to the end of operational qualification.

“Bentley’s ELS helps us support this approach by providing fast, ready, and cost-effective access to the software solutions we need, whenever and wherever we need them around the globe. With Bentley’s ELS, all of the advanced solutions we need across the entire lifecycle of our projects are immediately available to us with no additional costs to account for in our budget.”

Immediately, Bentley’s ELS gives NNE Pharmaplan a quick, cost-effective way to offer its clients creative technical alternatives and sustainable solutions for its projects. As a strategic benefit, Bentley’s ELS helps organizations such as NNE Pharmaplan become more agile. Project starts can happen faster and teams can reconfigure more quickly for new opportunities. No-charge pilots allow new technology to be infused into projects more readily. ELS agreements can include partners, extending the agility and multiplying the benefits in global projects.

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R.G. Barry Selects NGC's e-SPS® Software for Global Sourcing and Visibility

28 January 2008

NGC® (New Generation Computing®) announced that R.G. Barry Corporation has selected NGC's e-SPS as its strategic software platform to manage overseas suppliers and trading partners. R. G. Barry, "the Dearfoams® company," is one of the world's leading developers and marketers of accessory footwear.

R.G. Barry has recently undergone a highly successful business turnaround that included a transition from captive manufacturing to a flexible business and sourcing model. As a result, the company sought a global sourcing solution that would work seamlessly between its domestic and international operations. "We looked for a solution that would provide visibility and drive new efficiencies throughout the entire manufacturing process," said Glenn Evans, SVP of Sourcing and Logistics, R.G. Barry.

After reviewing software from a number of vendors, R.G. Barry selected e-SPS, a web-based global sourcing application that provides real-time visibility and enhanced collaboration throughout the product lifecycle. "e-SPS will be a key technology to help R.G. Barry improve our inventory turns, reduce lead times and increase speed to market," Evans said.

e-SPS will also enhance R.G. Barry's communications with overseas suppliers. "The fact that e-SPS is

web-based was very important to us," said David Lindstrom, Director of Information Technology, R.G. Barry. "Today, most of our communication with overseas partners and suppliers is done via email. e-SPS provides a single global portal that will allow us to centralize communications in a single place and tie all communications to specific purchase orders."

Other benefits of e-SPS for R.G. Barry include:

* Improved customer service. By streamlining global sourcing and reducing product lead times, e-SPS will enable R.G. Barry to respond faster to customer trends and provide new styles efficiently and cost-effectively.

* Increased business agility. e-SPS will support R.G. Barry's growth objectives by enabling the footwear manufacturer to add more licensed brands and manage a rapidly increasing number of suppliers.

* Integration with R.G. Barry's existing supply chain software. e-SPS can be easily integrated with supply chain software from Logility and American Software, NGC's parent company. "We already have these solutions in place, and NGC's understanding of these systems and how to integrate with them was very important to us," Lindstrom said.

"R.G. Barry has dramatically transformed their business in recent years, and NGC is pleased that the company selected us to provide solutions that will help them improve supply chain efficiency, while supporting continued expansion," said Alan Brooks, president, NGC. "We look forward to a successful implementation and welcome R.G. Barry to NGC's rapidly growing customer base of industry-leading fashion, apparel, footwear and retail companies."

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Siemens PLM Software Announces New Use of D CUBED 2D DCM in Garment Design Software Industry

28 January 2008

Siemens PLM Software and OptiTex Limited of Israel, a leader in 2D and 3D CAD/CAM fashion and textile design software, announced the use of the D Cubed™ 2D Dimensional Constraint Manager (2D DCM) parametric solver by OptiTex in the My Label application for home-based fashion designers. My Label is licensed by OptiTex to their partner Bernina International for shipping with Bernina's sewing machines.

The 2D DCM is the world's most established solution for increasing design productivity by solving geometric dimensions and constraints. It is licensed to the developers of software applications that are seeking to increase innovation with minimal cost, risk and time to market.

Bernina's My Label is one of the world's first advanced 3D product offerings for home based garment designers. It is based on technology from OptiTex's Modulate, the established 2D DCM-based interactive, parametric software application for the design of made-to-measure garment patterns. My Label enables Bernina's home-based sewing machine customers to benefit from some of the same tools used in professional fashion design houses. Bernina is the largest privately held sewing machine company.

"The 2D DCM empowers users of Modulate and My Label to take a parametrically defined garment pattern and automatically create the equivalent article in many different sizes," said Ran Machtinger, president and CEO of OptiTex. "Without the 2D DCM, the development cost and time-scale for

deploying such a capability in these applications was prohibitive."

"The PLM Components product portfolio is rapidly expanding into new markets", said Bruce Feldt, vice president of Open Tools for Siemens PLM Software. "OptiTex has taken a pioneering role in the application of 2D DCM-based parametric techniques in the garment design industry and we are pleased to support their drive into new markets."

PLM Components are software tools that can help increase the profitability of software applications in the CAD, CAM, CAE and PLM marketplace by raising their value and lowering their costs. This is achieved by supporting innovation and interoperability with standard tools that ensure quality and reduce time to market. Siemens PLM Software develops these components, uses them throughout its own applications and licenses them to independent software vendors and end-user organizations. Flexible licensing arrangements and a simple, proven integration process enable any organisation, large or small, to bring innovative capabilities to their applications quickly and economically. Part of the PLM Components family of products, the Parasolid® and D-Cubed components provide 3D part and assembly modeling, editing and interoperability, 2D/3D parametric sketching, motion simulation, collision detection, clearance measurement and visualization. Applications include mechanical CAD, CAM, CAE, mold design, sheet metal, AEC, GIS, structural, plant and ship design, CMM, reverse engineering and sales configuration. For more information, please visit http://www.plm.automation.siemens.com/open.

About Siemens Industry Sector

The Siemens Industry Sector and its products and solutions address industry customers in the fields of production, transportation and building systems. The sector, newly formed on Jan. 1, 2008, is primarily comprised of the business activities of the former Siemens Groups A&D, I&S, SBT, Osram and TS. Approximately 209,000 employees currently work in the Industry Sector. The sector's businesses generated revenues of roughly €40 billion in fiscal 2007. Further information about the Siemens Industry Sector is available at http://www.siemens.com/industry.

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Sony Uses PTC Pro/ENGINEER® 3D Design Tool to Accelerate Development Phase of Outside Broadcast Vehicle Productions

28 January 2008

PTC announced that Sony's Professional Services Division, based in Basingstoke, UK is using PTC Pro/ENGINEER as its standard 3D design tool to produce tailor-made Outside Broadcast (OB) vehicles. Deploying Pro/ENGINEER, PTC's integrated 3D CAD/CAM/CAE software, supports Sony's strategic initiative to significantly reduce the development time of its OB vehicles through design automation.

Sony creates OB vehicles for a wide variety of customers in the broadcast industry based on custom-built trailer chassis or truck chassis provided by various OEMs. These special purpose vehicles are fitted with leading-edge technology from Sony and customized to each customer's requirements. By enabling the design team to transfer the basic spreadsheet of customer requirements into Pro/ENGINEER, which automatically creates a complete and accurate 3D model of the rack-mounted units, Sony's Professional Services team has succeeded in significantly reducing the development time of each build. By showing the customer what their vehicle is going to look like very early on in the development process, the team of engineers not only benefits from faster decision-making but also has more time to focus on delivering other parts of the build.

"We integrate 19" rack-mounted products in every OB vehicle we build, but the traditional process to install each piece of equipment into the 3D model of each rack was taking a considerable amount of time," said Adrian Plant, Project Design Manager at Sony. "Thanks to PTC's unique process that automates the population of our rack mounts within Pro/ENGINEER, we have been able to remove the bottleneck and the team is now expecting about a man year's worth of work in time saving."

"The accelerated production time experienced by Sony's Professional Services team is evidence of the power and flexibility of Pro/ENGINEER for highly complex tasks," said Chad Hawkinson, vice president, product strategy, electronics, PTC. "By automating design activities and rapidly developing digital prototypes, we aim to provide the extra edge for high-end technology companies which strive to deliver great service to their customers."

About Sony Europe's Professional Services Division

Sony's Professional Services Division designs, installs and supports fully integrated solutions for the capture, storage and distribution of audiovisual assets. Our services are delivered to a wide range of media and corporate organisations throughout Europe, the Middle East and Africa.

About Sony

Sony manufactures audio, video, communications and information technology products for the global consumer and professional markets. With its music, pictures, game and online businesses, Sony is uniquely positioned to be one of the world's leading digital entertainment brands. Sony recorded consolidated global annual sales of EUR 55.83 billion (yen 8,296 billion) for the fiscal year ended March 31, 2007, based on an average market exchange rate for the same period of yen 148.6 to the EUR. It employs approximately 163,000 people worldwide.

In Europe, the Sony Group recorded consolidated annual sales of EUR 13.71 billion (yen 2,038 billion) for the fiscal year ended March 31, 2007. Sony Europe, headquartered at the Sony Center am Potsdamer Platz in Berlin, is responsible for the company's European electronics business and registered consolidated sales of EUR 9.12 billion for the same period. For more information on Sony Europe, please visit http://www.sony-europe.com and http://www.sony-europe.com/presscenter.

About Professional Solutions, Sony Europe

Professional Solutions Europe (PSE), a division of Sony Europe, is a leading supplier of solutions for broad horizontal communications, AV/IT, as well as magnetic and optical storage. PSE's market segment solutions, service and support packages are targeted at organisations in the Healthcare, Media, Network Video Monitoring, Retail, Transport and Large Venue sectors. Device components such as camera sensors and modules, displays, batteries and semiconductors are targeted at OEM manufacturers and system integrators. Sony's Professional Solutions business offers its customers access to the expertise and local knowledge of skilled professionals in every European country, as well as "best of breed" hardware, services and resources from other organisations. For more information please visit http://www.sonybiz.net.

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Thermal Simulation Validates Motor Design and Reduces Heatsink Weight

January 2008

AnJen Solutions recently used Flomerics' FLOTHERM computational fluid dynamics (CFD) software

to assist MagneMotion, Inc. in their design of a vertical lift elevator made of linear synchronous motors (LSM). AnJen Solutions performed a weight versus thermal performance analysis of the LSM rail heatsink. “FLOTHERM provided a detailed understanding of the conductive heat transfer between the heatsink and the LSM rail support structure and convective heat transfer to the surrounding environment,” said Michael Rigby of AnJen Solutions. “The simulation demonstrated that reducing the number of fins and changing the fin spacing and thickness would reduce the weight of the heatsink by 1/3 while providing the same thermal performance as the initial design.”

The rail thermal load and vertical orientation required a more detailed thermal simulation than is typically done on horizontally oriented LSM rails that make up material transport systems. The vertical orientation results in non-constant heat transfer coefficient and rising ambient air temperature. The temperature of the LSM rail encapsulation material is the limiting factor.

The advantage of CFD is its ability to model the airflow around the LSM which makes it possible to predict convection accurately. Flomerics’ FLOTHERM software is specially designed for the challenges of modeling thermal management of electronic and electrical systems. “FLOTHERM offers a wide range of features such as an automatic optimizer and compact models that make it possible to improve cooling performance and reduce engineering time,” Rigby said. “These and other capabilities of the software made it possible to optimize the design of the heatsink which was important because the overall weight of the LSM was a critical concern to MagneMotion’s customer.”

FLOTHERM solved the complete thermal problem including conduction from the motor through the mechanical structure and the heat sink and convection from the mechanical structure and heat sink to the air. FLOTHERM solved the buoyancy equations to determine the airflow caused by the heat loading. Rigby evaluated 11 different design scenarios by varying the heat sink fin count and thickness in the model. A fin count of 15 and fin thickness of 3 mm provided the lowest weight while still meeting the encapsulation temperature limits. The weight of 39 pounds for the optimal heat sink configuration provides a weight savings of more than 1/3 compared to the baseline configuration.

“FLOTHERM provided a detailed understanding of the convective heat transfer from the LSM heatsinks and structural supports and of the conductive heat transfer within the structure,” Rigby concluded. “The CFD simulation saved engineering time and reduced time to market by enabling us to verify the thermal design of the entire LSM without having to build a prototype. Simulation also enabled a substantial reduction in weight and hence material cost of the heat sink.”

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TyumenNIIgiprogas, Subsidiary of Gazprom, Joins Bentley’s Enterprise License Subscription Programs

30 January 2008

Bentley Systems, Incorporated announced that TyumenNIIgiprogas (TNGG), a leading design institute in Western Siberia specializing in the oil and gas industry, has joined Bentley’s Enterprise License Subscription (ELS) program. TNGG is a subsidiary of Russia-based Gazprom, the world’s largest gas company focused on the geological exploration, production, transmission, storage, processing, and marketing of gas and other hydrocarbons. Bentley’s ELS program grants organizations unlimited access to the entire ELS software portfolio for a fixed annual fee. The portfolio covers all the architectural, engineering, construction (AEC) and geospatial software needs of subscribers, providing building, plant, civil, and geospatial solutions and supporting a managed environment for their AEC and geospatial IT.

The total coverage at a fixed, discounted price means that organizations can increase their software productivity and reduce their total AEC and geospatial software costs simultaneously. The unlimited access streamlines software administration while the annual term simplifies budgeting and accounting.

"We have long relied on Bentley's solutions for our gas treatment unit design work and have always been impressed by our return on these technology investments," said Georgiy Krylov, general director, TNGG. "Our use of Bentley's integrated portfolio of software has resulted in streamlined workflows, increased productivity, and improved quality of our finished projects."

Krylov continued, "Our need for easier and more cost-effective access to a wider array of advanced software solutions continues to grow with our business, and this is the chief reason why we have joined Bentley's ELS program. Our project teams look forward to taking full advantage of Bentley's comprehensive portfolio to meet their project objectives and drive further increases in productivity for the entire organization – helping sustain our business success and setting the stage for even more accelerated growth in the future."

As a strategic benefit, Bentley's ELS helps organizations such as TNGG become more agile. Project starts can happen faster and teams can reconfigure more quickly for new opportunities. No-charge pilots allow new technology to be infused into projects more readily. ELS agreements can include partners, extending the agility and multiplying the benefits in global projects.

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VISTAGY Renews Status as Official Supplier to ING Renault F1 Team Upon Launch of R28 Racing Car

31 January 2008

VISTAGY, Inc. announced that it has renewed its status as an official supplier of specialized software to ING Renault F1 Team, and joined team officials in Paris, France for the exciting launch of the brand new R28 racing car for the 2008 Formula One season. Team engineers utilized VISTAGY's FiberSIM® software to design and manufacture all the composite parts of the car including the chassis, roll hoops and wings.

ING Renault F1 Team engineers face enormous pressure each year to meet challenging deadlines for developing its racing cars. Each season, the Team is required to completely design, analyze, manufacture and test its cars in fewer than 180 days or risk stringent FIA penalties, or worse, the loss of an entire racing season. As a result, the Team constantly looks to reduce engineering cycle times and eliminate errors in design and manufacturing in order to refine the final products and meet all delivery deadlines. This is ING Renault F1 Team's sixth season utilizing VISTAGY's FiberSIM software to develop complex composite parts for its cars. The combination of software and professional services from VISTAGY has enabled the Team to reduce ply lay-up time by up to 62 percent, ensuring consistency between parts, optimal performance and on-time delivery.

"We have enjoyed a fruitful technical partnership with VISTAGY for several years, during which the free exchange of information and expertise has dramatically improved both our racing cars and their FiberSIM software," said Bob Bell, Technical Director for ING Renault F1 Team. "VISTAGY was an integral partner in helping us achieve our back-to-back FIA Formula One Drivers' and Constructors' World Championships in 2005 and 2006, and we continue to work closely with them to streamline our composites development process and optimize the use of their software. With the new R28 car and the excitement surrounding our drivers, we expect new levels of success in the coming 2008 season."

"We look forward to strengthening our already solid relationship with ING Renault F1 Team and finding additional ways to improve efficiency and innovation in the factory to achieve a competitive advantage on the racing circuit," said Steven C. Luby, President and CEO of VISTAGY. "Together we have turned productivity into creativity. By providing Renault F1 Team with the software and services to improve their composites design and manufacturing process, they have been able to perform more iterations of their designs, resulting in optimized parts. This is how true innovation is born and how winning results are achieved. We are proud to stand behind ING Renault F1 Team in their pursuit of the Formula One World Championships again this year."

Executives from VISTAGY were pleased to join ING Renault F1 for the unveiling of the new R28 racing car in an official launch event held in Paris, France on January 31, 2008. The Team begins its quest for the FIA Formula One World Championships at the Australian Grand Prix on March 16.

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Whiting Elevates Industrial Equipment Design with SolidWorks Software

28 January 2008

When rail companies need to repair locomotives, or nuclear power plants need to service reactors, they often rely on specialized heavy lifting equipment from Whiting Corporation. To design and manufacture this massive equipment, Whiting relies on SolidWorks® 3D CAD software. Whiting's multi-ton overhead cranes and rail maintenance equipment handle everything from radioactive nuclear waste to subway cars for clients like Bechtel National, Amtrak, BNSF, and Metropolitan Transportation Authority (MTA) in New York.

For more than 120 years, Monee, Illinois-based Whiting has been building heavy-duty industrial cranes. It now specializes in delivering overhead cranes, foundry equipment, and rail transportation maintenance equipment. The company standardized on 20 licenses of SolidWorks software for all new project designs. It also uses COSMOSWorks® design analysis and PDMWorks® Workgroup product data management (PDM) software to streamline product development and speed product delivery. SolidWorks and COSMOSWorks help Whiting ensure design accuracy, which is paramount for cranes that must meet exact safety standards set forth by the Nuclear Regulatory Commission and other watchdog groups.

"We found that we were spending a lot of time checking designs and fixing issues with our 2D AutoCAD® software," said Ed Slota, transportation product manager at Whiting. "SolidWorks has helped us meet growing time-to-market pressures because it allows us to finish designs quickly and accurately. Faster design means we've been able to conduct more what-if scenarios to find the best approach. Improved product visualization early in the design process has also been essential. This design visualization and validation gives us confidence that our equipment will deliver on the promises we make to our customers."

Whiting's first full project in SolidWorks was a rail car truck repair hoist used to lift rail car trucks to a working height so crews can repair or replace components. SolidWorks' visualization and part interference features enabled engineers to quickly model the product and troubleshoot any errors prior to production.

Slota expects COSMOSWorks to play a critical role in the future as more engineers use it. "Analysis at the design stage is new for us," he said. "Previously, it has been the realm of a separate analyst team. Incorporating it in the design phase helps us get the design right up front, which cuts costs and keeps

production moving."

PDMWorks Workgroup allows multiple engineers to work on large assemblies to accelerate design time. PDMWorks also ensures version control, quick document retrieval and audit histories so Slota and other managers can track which engineer completes what task.

"Industrial-strength crane development requires CAD software that lets engineers focus on solving critical design challenges, not software workarounds," said Rainer Gawlick, SolidWorks vice president of worldwide marketing. "Whiting has a solid reputation for paying attention to the details that matter to its clients, and that precision shows up in its cranes at work every day."

Whiting relies on authorized SolidWorks reseller FISHER/UNITECH for ongoing software training, implementation, and support.

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Product News

Agilent Technologies Announces Availability of Its First-Ever Transceiver Library for Signal Integrity Design EDA Solutions

28 January 2008

Agilent Technologies Inc. announced the availability of its first-ever transceiver model library, developed in a collaboration with Altera Corp., a leading supplier of transceiver-based Field Programmable Gate Arrays (FPGAs), for use with Agilent's Advanced Design System EDA software. This multi-gigabit transceiver library reduces development costs and increases productivity compared with classical analog simulation methods for multi-GHz printed circuit board and backplane signal integrity design and analysis.

"In the past, signal-integrity designers wishing to simulate the performance of multi-gigabit transceivers were faced with a single, time-consuming, option: to push the limits of simulators designed for lower-frequency analysis," said Joe Civello, product marketing manager with Agilent's EEsof EDA division. "With this new Stratix II GX FPGA transceiver library, our mutual customers can take advantage of the most advanced simulation technology available for faster and more accurate high-speed serial link design."

"Customers rely on our FPGAs for their high-performance, low power, best-in-class signal integrity, and integrated multi-gigabit transceivers," said David Greenfield, senior director of product marketing, high-end products, at Altera Corp. "Our collaboration with Agilent has resulted in the creation of the Stratix II GX Model Library, which enables designers to accurately and quickly perform an analog simulation of the transceiver signal integrity, in conjunction with extracted or measured channel models, using Agilent's Advanced Design System."

The Stratix II GX Model Library is available to prospective customers from Altera. To request the model library, contact your local Altera sales representative or distributor or send an e-mail to s2gx_models@altera.com. Information about Altera's Stratix II GX FPGA is available at www.altera.com/stratix2gx.

Agilent will conduct a live demonstration of the Stratix II GX FPGA and the Stratix II GX Model Library at DesignCon 2008, held Feb. 5-6 at the Santa Clara Convention Center in Booth 305. For more

information about DesignCon, visit www.designcon.com/2008.

Advanced Design System is a high-frequency, high-speed electronic design automation software platform. Recent releases of the software include new signal integrity capabilities, such as the addition of serializer/deserializer (SERDES)/Verilog analog mixed-signal co-simulation for a more complete signal integrity design flow for serial links.

For more information about Agilent solutions for signal integrity design, visit http://www.agilent.com/find/signal-integrity.

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Agni Link ERP-CAD Data Integration System for SolidWorks CAD and Microsoft Dynamics SL (Solomon) ERP Ships

30 January 2008

Elmo Solutions (http://www.elmosolutions.com?ref=080128) announced the immediate availability of Agni Link). Agni Link is a companion to AutoCAD, SolidWorks or Autodesk Inventor that provides real-time, bidirectional data integration with Microsoft Dynamics SL (Solomon). It is the only application of its kind that offers a unique and reliable way to integrate CAD and Microsoft Dynamics SL (Solomon) data, automatically resolving discrepancies and allowing editing of CAD data using possible values obtained "live" from Microsoft Dynamics SL (Solomon), thus ensuring the perfect synchronization of both data sets and completely eliminating redundant data entry as well as eliminating costly errors. Agni Link can process and synchronize a wide range of product data from either environment, including:

Bills of Materials (BoMs)

Estimating

Sales Quotes

Business Process Management (BPM) data

Work Orders

Production Orders

Production Schedules

Product Catalogs

Product Configurations

Parts Catalogs

Technical Documentation

Supply Chain Data

Document Management

CRM data

Yielding high Return on Investment, Agni Link typically pays for itself in 60-90 days in ETO-intensive environments. Elmo Solutions Science Officer, Ricardo Talbot, said: "We are pleased to be able to

introduce yet another powerful edition the most advanced and efficient method of integrating CAD and Microsoft Dynamics SL (Solomon) data. End-user feedback so far has been very enthusiastic, and we are most excited about this new edition of Agni Link. We expect similar response on the upcoming release of Agni Link for Microsoft Dynamics CRM, which should be ready toward the middle of calendar year 2008."

Agni Link's open architecture can support a wide range of ERP applications, including

Microsoft Dynamics AX (Axapta)

Microsoft Dynamics NAV (Navision)

Microsoft Dynamics GP (Great Plains)

Microsoft Dynamics SL (Solomon)

Microsoft Dynamics Small Business Financials

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Aras is First Enterprise Open Source Solution Certified for Microsoft Windows Server 2008

30 January 2008

Aras® Corporation announced that the Aras Innovator® suite of advanced service-oriented architecture [SOA] solutions for enterprise Product Lifecycle Management [PLM] is one of the first ten systems worldwide that has Certified for Windows Server 2008. Aras is the first enterprise open source provider to achieve platform certification.

Windows Server 2008 Certification comprises approximately 100 test cases that independently confirm an application's compliance with best practices for reliability, security, availability, and compatibility on the new Microsoft platform. As a member of the Microsoft Early Access Program [EAP] for Windows Server 2008 Certification, Aras Innovator is one of more than 300 systems that are eligible for certification on a pre-release version of the new platform.

"Aras is an exciting example of how the Microsoft platform is gaining momentum with open source providers and SOA applications, and it suggests a new model for partners to deliver innovative solutions for enterprise customers," said Tony de Freitas, director of Windows Server marketing division at Microsoft. "Achieving Windows Server 2008 certification is a significant accomplishment, and we are proud of the commitment and confidence it represents."

"The innovation advantage that the Microsoft open approach provides is clear and Windows Server 2008 certification further validates the Aras technology leadership," said Peter Schroer, President of Aras Corporation. "Platform certification delivers the highest level of corporate confidence available for mission-critical enterprise solutions, and we are proud to provide Microsoft solutions that exceed the stringent requirements of independent testing."

Numerous Windows Server 2008 platform advancements, including Hyper-V and robust network load-balancing, provide Aras Innovator with superior enterprise scalability, security, and manageability. Details about Windows Server 2008 software certification, the test framework, and the Early Access Program are available at http://www.innovateonwindowsserver.com

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AVEVA Announces Product Release of AVEVA PDMS 12.0 -- Setting New Standards in Plant Design Productivity

28 January 2008

AVEVA announced that AVEVA PDMS 12.0, the next generation of productivity in plant design, is now commercially available and being progressively rolled-out to customers.

AVEVA PDMS 12.0, part of the AVEVA Plant portfolio, enables companies to make immediate and substantial productivity gains on their projects from the new capability delivered on a proven design platform with new exciting capabilities. Existing customers will further benefit from a seamless upgrade and compatibility with associated AVEVA Plant products, such as the world leading AVEVA Global product for distributed project execution.

The release is packed full of productivity improvements with ease of use, rule-based design, automation and faster deployment at the heart of the developments.

"The release of AVEVA PDMS 12.0 and associated products represents over 300 man-years of investment that will truly provide our customers with improved competitive advantage. Furthermore, it demonstrates our commitment to the ‘continual progression' of AVEVA's product development strategy" said Dave Wheeldon, Group Product Development Director.

"With the release of AVEVA PDMS 12.0, we really do take this technology platform to new heights of productivity, not just for the end users and designers but across the whole project, offering further fabrication and construction savings by extending the scope and ability to control, manage and share project information globally."

Some of the exciting new key features in AVEVA PDMS 12.0 include:

Extensive enhancements to the advanced engineering applications for designing equipment, piping, ducting, structural steel, and supports - all of which are presented to the user in an easy to use Microsoft office look and feel, increasing familiarity and reducing design time.

An area which has been particularly enhanced is the use of design rule technology. Piping engineers will have a rule-based automatic pipe routing & quality checking feature as standard, and all disciplines will benefit from the new object associations which have been introduced into the plant model. These allow key relationships to be defined and continuously monitored as the design progresses and changes. The technology is used to good effect in a new hole management application to assist the vital inter-discipline control & coordination.

The new catalogue and specification management application that is easy to use and reduces the effort required to create and modify catalogue and specification items, reducing the need for specialist skills in this area.

New database and customisation IPR protection capability enables customers to more securely share their critical data with sub-contractors and partners while reducing the risk of copy or modification.

The new access platforms, stairs and ladders application: a further example of rule-based design, enabling ease of modification of complex access configurations, and providing accurate material and weight reports.

Extensive customisation and configuration capabilities, utilising Microsoft .NET, and these too have been greatly enhanced to enable customers to further optimise, tailor and control functionality in line with their work processes and standards.

The new and innovative approach to P&ID integration - also pioneered with the release of AVEVA PDMS 12.0. P&IDs from multiple authoring tools can be consolidated into a single schematic model of the plant, which can then be used to build and compare with the 3D plant model. The schematic model is a new open environment that brings P&ID and 3D data together for the first time on a globally-deployable shared technology platform. The schematic model data is fully managed within the AVEVA PDMS 12.0 environment and new AVEVA P&ID Manager and AVEVA P&ID 3D Integrator products are being introduced to work with this as part of AVEVA's open P&ID strategy.

All these features lead to even more accurate, complete and clash free designs with AVEVA PDMS 12.0, thereby ensuring reduced project costs. Dave Wheeldon further commented, "AVEVA PDMS 12.0 delivers major innovations to our customers, ranging from improved productivity for individual designers through to increased overall project savings that result from significant improvements in data management and control."

For more information on AVEVA PDMS 12.0, the next generation of productivity in plant design see http://www.aveva.com/pdms

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AVEVA Launches AVEVA Review 6.4 – Delivering High Quality Realistic Representation

29 January 2008

AVEVA launched AVEVA Review 6.4, the latest version of the high performance 3D visualisation tool for large complex plant and marine models.

Taking data from a range of 3D plant design systems, AVEVA Review delivers a high quality realistic representation of the model to a wide range of project personnel, providing the ability to easily share, inspect the design and communicate details to everyone involved with design, installation, operations and maintenance.

Key new features of AVEVA Review 6.4:

*Integration with AVEVA ReviewShare - create, view, edit and distribute ReviewShare documents

*Enhanced support for Laser Scanned models - now with the same functionality as the AVEVA Laser Model Interface

*Enhanced user features - easier definition and manipulation of clipping volumes and section planes

*Improved user interface - providing quicker and simpler navigation, selection, and modification.

When there is a requirement to communicate ideas or undertake project reviews - particularly across multiple remote sites - AVEVA Review 6.4 provides the perfect visual collaboration link for use through all stages of the plant lifecycle, whilst using standard enterprise communications.

AVEVA Review 6.4 is tightly integrated with the new AVEVA ReviewShare product, thereby enhancing collaboration across all project stakeholders.

AVEVA ReviewShare is a Review-inspired tool, developed specifically to support collaborative 3D design review across teams, sites, regions and even continents. Making use of AVEVA's unique 3D streaming technology, it combines the high quality 3D visualisation of AVEVA Review with intuitive comment and mark-up tools, to create compact, and easily distributable, 3D collaboration documents.

It integrates fully with AVEVA Review 6.4, allowing each reviewer to add his own individually auditable comments, incorporating text, 2D screenshots and 3D views, and share them easily with other reviewers - even over low-bandwidth connections.

The ReviewShare Server and connection licenses will be supplied at no extra cost with each seat of AVEVA Review 6.4. Businesses that do not use Review, but wish to share in the design review process with other businesses that do have Review, will be able to download the ReviewShare Reader (client) from the AVEVA website at www.aveva.com/reviewshare

Richard Longdon, CEO of AVEVA commented:

"AVEVA's development of AVEVA Review 6.4 demonstrates our continual commitment to providing increased value for our customers. The enhancements AVEVA Review 6.4 brings will allow our customers to more rapidly convey and share concepts through superior collaboration capabilities. Together with ReviewShare, this release provides for unrivalled comprehensive access to 3D model data that can be universally shared."

AVEVA Review 6.4 will be commercially available at the end of February 2008.

AVEVA Review is a 3D visualisation tool for large, complex plant models. With features such as walk-through, animation, and high-quality photo-realistic images, Review lets you visualise designs and communicate complex ideas.

AVEVA ReviewShare enables teams to view, review, mark-up, and collaborate on 3D engineering models of virtually unlimited size, across global teams, from within one application. AVEVA ReviewShare connects seamlessly to AVEVA's existing portfolio of engineering products and is available as an integral component of the AVEVA Review product.

AVEVA Laser Model Interface allows point cloud data from a wide variety of laser scanning systems to be visualised inside a PDMS design and used for designing modifications to existing plant.

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AVEVA ReviewShare Launched Across Customer Base Following Successful Previews

29 January 2008

AVEVA launched its new collaborative tool for 3D engineering model review, AVEVA ReviewShare, to its customer base, following successful product previews in Europe, the US and Asia Pacific.

ReviewShare is bundled with version 6.4 release of AVEVA Review, at no extra charge. It combines the unique, high quality 3D visualisation capability of AVEVA Review with intuitive comment and mark-up tools to create compact, easily distributable, 3D collaboration documents. It integrates fully with Review, allowing each reviewer to add their own auditable comments, incorporating text, 2D screenshots and 3D views, and share them easily with other reviewers, even over low-bandwidth connections.

Businesses that do not currently use Review but who wish to share in the design review process with other businesses that do have Review will be able to download a ReviewShare Reader from the AVEVA website www.aveva.com/reviewshare from the end of February 2008. The ReviewShare Reader will create extended, collaborative environments, which will help to address some of the challenges inherent in working with third parties on large engineering projects.

ReviewShare was previewed at the industry's renowned EPEDC conference in the Netherlands, where the delegate list included representatives from large engineering businesses like ABB, Aker Kvaerner, Fluor Corporation, Jacobs and Wartsila.

Miguel Munoz-Tomas, EPEDC organizer, said: "One of the themes we tried to bring out in the event was the importance of collaboration. AVEVA really helped us with this, because the demonstrations and presentations around its new product, ReviewShare, helped convince delegates that effective design collaboration is now possible, even across different countries and continents. At EPEDC, we are always delighted when we have been able to help articulate the benefits of such ground-breaking new products to the industry."

Derek Middlemas, EVP Business Strategy at AVEVA, commented: "Effective collaboration shortens project cycles, reduces costs and helps ensure design integrity. We are delighted to be delivering these benefits to our customer base through the launch of ReviewShare, particularly given that there is no extra cost involved for the customer and that the industry, as we found out from the preview events, is clearly so supportive of it."

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Bentley Announces OpenPlant – the First Plant Applications Based on ISO 15926 Data Model

28 January 2008

Bentley Systems, Incorporated announced OpenPlant, the first range of software products for the creation and management of plant infrastructure inherently based on the ISO 15926 data model – an international standard for process plant information. By enabling the next phase in software interoperability, Bentley's OpenPlant products facilitate distributed-enterprise collaboration spanning disparate systems. The OpenPlant hallmark is federation for sharing and reusing consistent and accurate data among distributed teams and work packages throughout the plant lifecycle. These advances reduce downtime, increase plant safety, and deliver greater flexibility and productivity – stimulating innovative engineering and operations for sustaining infrastructure. The OpenPlant designation will apply to the next (ISO 15926-based) versions of existing Bentley plant offerings as well as newly developed applications. Bentley's first ISO 15926-compliant offering was its ProjectWise Lifecycle Server. Today it is introducing OpenPlant PowerPID, the only commercial P&ID solution to be based on a completely open data model.

"Bentley's commitment to this pragmatic development was driven by our ingrained belief that project data belongs to users, not software vendors," said Rob Whitesell, vice president, Bentley Plant, Building, and Structural development. "Now that plant software datasets can be open – by adhering to ISO 15926 data models – there is no excuse not to guarantee plant owner-operators and creators unimpeded access to, and unlimited leveraged reuse of, their information investment."

Whitesell continued, "Bentley's OpenPlant is the only open plant software that's designed to support the way in which the world of distributed enterprises works today. Because they are based on a nonproprietary, internationally recognized standard, OpenPlant products empower project teams to engage in streamlined collaborative workflows that empower and harness the constant organic innovations that unfettered engineers and industrial solution suppliers can accomplish. By enabling distributed teams to connect and work instantaneously, and federate their data and work packages seamlessly, OpenPlant compresses project schedules and time to market for improving profitability and sustainability."

About OpenPlant's ProjectWise Lifecycle Server

Already proven in the world's most demanding plant environments – with user organizations including BP, Chevron, ConocoPhillips, KBR, and Southern Company – ProjectWise Lifecycle Server supports Bentley's standards-based engineering data warehouse, addressing engineering automation and other asset information management needs for the full plant lifecycle. Built on ISO 15926, ProjectWise Lifecycle Server accordingly offers unprecedented interoperability – providing the ability to share data across Bentley and competitive plant applications, and with enterprise IT environments.

The consolidation and integration of data during handover is by far the toughest IT problem faced by the process industry today. ProjectWise Lifecycle Server is at the heart of Bentley's solution. Its core purpose is the identification and consolidation of data elements from disparate sources. As information is released from different disciplines, contractors, or vendors, ProjectWise Lifecycle Server provides comprehensive quality-checking to ensure that accepted information is complete, correct, and consistent. Context data about where information originated and the conditions under which it has been shared is captured to support the industrial-strength change management necessary for commissioned plants.

For more information about ProjectWise Lifecycle Server, visit http://www.bentley.com/lifecycleserver.

About OpenPlant PowerPID

Because the native data model schema for OpenPlant PowerPID is ISO 15926, any data that is mapped to the ISO 15926 schema can natively interoperate with OpenPlant PowerPID. This means that any plant schematics created with OpenPlant PowerPID can be shared without the need for complex application programming interfaces. The data is stored and maintained in a neutral, nonproprietary format that can be accessed by any application that is mapped to the ISO 15926 schema.

In addition to its interoperability credentials, OpenPlant PowerPID leverages up-to-date software technologies to deliver best-in-class productivity:

- Rapid – and automated – creation of intelligent P&IDs, for increased throughput;
- Shared files that allow changes made independently by multiple users to be reconciled into a single P&ID, for faster completion of designs;
- Assembly management, for quick placement of complex components;
- Both DWG and DGN formats for intelligent deliverables, broadening project opportunities;
- Administrative functions to ensure P&ID compliance with project data and drawing quality standards.

For more information about OpenPlant PowerPID, visit http://www.bentley.com/PowerPID.

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HCL Partners With Visiprise to Provide Professional Services to Global Manufacturers in the Medical Device Industry

22 January 2008

HCL Technologies Ltd. ("HCL"), a leading global IT services company, has entered into a global consulting partnership with Visiprise, Inc. for the Life Sciences industry, covering all aspects of the medical device manufacturing cycle. Visiprise provides manufacturing execution solutions (MES) that help global manufacturers to gain visibility into operations, achieve shop floor control and manage

product and process traceability. The consulting agreement will include joint marketing, sales and pre-sales services and will result in the ability for seamless licensing, blueprinting, implementation, plant-business integration, roll-out, support, upgrade / migration and instance consolidation services to manufacturers.

The strategic partnership will further strengthen HCL's position as "innovators/leaders" in the Manufacturing IT landscape with initial focus on medical devices further expanding to Hitech, Aerospace, Auto and other discrete industries. Under this agreement Visiprise will also be training and certifying HCL consultants on Visiprise solutions.

Speaking on the occasion Mr. Pradep Nair, VP, Global Life Sciences and Healthcare practice, HCL Technologies, said, "With increasing global competition, it is imperative for manufacturers to innovate faster, cheaper, with sustained/better quality meeting stringent regulatory norms. Manufacturers are therefore making strategic investments in comprehensive IT solutions focused towards improving efficiency in the plant operations and increasing collaboration between engineering, enterprise and plant functions as well as extended eco systems such as partners and suppliers. HCL's partnership with Visiprise is well poised in bringing about the transformational change in plant operations. We believe that Visiprise's technology and strategic alignment with SAP and PLM vendors will help customers in seamless business integration from shop-floor to top-floor, which aligns well with HCL's focus towards Manufacturing IT solutions and services."

"HCL's focus in medical devices, coupled with their comprehensive approach in providing total plant-level IT aligns well with our vision of delivering a total manufacturing solution for the integrated enterprise," said Mike Lacky, Vice President of industry business units from Visiprise. "HCL Technologies has a global footprint and a proven ability to deliver solutions in a complex, manufacturing environment."

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Intergraph Introduces SmartPlant® Isometrics for Piping Isometric Production

28 January 2008

Intergraph Corp. introduced SmartPlant® Isometrics, its newest solution for generating industry-standard pipeline isometric drawings for greenfield and brownfield design projects.

Previously known as I-Sketch™, SmartPlant Isometrics is an important piece of Intergraph's "Digital Isometric Value Chain," which allows for the electronic management of information associated with a pipeline throughout the plant lifecycle, from the definition of its design requirement to manufacturing details, and ultimately into operations and maintenance.

Based on ISOGEN technology, the industry standard for automatic generation of piping isometrics, SmartPlant Isometrics allows users to sketch piping systems in only minutes and generate isometric drawings with full bills of materials (BOMs) in seconds. This is compared to 2D CAD packages or paper and pencil where drawing isometrics usually takes several hours. The results provide substantial cost savings and productivity gains in piping isometric production.

"Enning, one of the leading German companies in the piping systems and plant construction sector, adopted I-Sketch as a vital component of the Digital Isometrics Value Chain to improve the efficiency of handling piping data from the P&ID through design, fabrication and construction into plant operations, said Matthias Sadus, chief engineering & information officer of Enning. "We look forward to the

additional functionality that SmartPlant Isometrics will provide. Its ability to handle multiple pipelines and piping systems in combination with SmartPlant Spoolgen will bring further value to the Digital Isometric Value Chain."

Gerhard Sallinger, president, Intergraph Process, Power & Marine said, "This release represents yet another step in the integration of the engineering enterprise. SmartPlant Isometrics delivers an improved product reflecting the feedback from original I-Sketch users and better integration into our SmartPlant Enterprise solutions."

Once a pipeline has been designed, the digital data (drawing, materials, welding, pipe cut lengths) can be electronically transferred to the pipe fabricator in seconds – where it can be processed to define the fabrication spools and drawings using its companion product SmartPlant Spoolgen.

SmartPlant Isometrics integrates with all of the leading 3D plant design systems and contains all the key features of I-Sketch while adding the following functionality:

- Allows the design of several pipelines within one session
- Creates an instant 3D scaled view of pipelines, provided by embedded I-View
- Provides simultaneous 3D view of multiple pipelines – allows for design of several pipelines in a confined location and visual clash checks with new or existing pipelines
- Allows the design of complete piping systems
- Creates ISOGEN industry-standard piping system isometric drawings

With the addition of this new functionality, SmartPlant Isometrics meets the broader design and documentation challenges faced by EPCs, pipe fabricators and owner operators. And, as with I-Sketch, it requires no prerequisite CAD or drafting skills and is easy to learn and use. For existing I-Sketch users, upgrading to SmartPlant Isometrics is seamless and will be at no charge to maintenance paying customers.

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Intergraph Releases SmartPlant® Enterprise for Owner Operators (SPO)Production

28 January 2008

Intergraph Corp. has released SmartPlant® Enterprise for Owner Operators (SPO), a solution dedicated to owner operators. SPO is a new member of Intergraph's SmartPlant Enterprise family of products.

Designed as an out-of-the-box configuration with predefined integrated work processes, SPO enables owner operators to manage their plant engineering design basis and synchronize it with operations and maintenance needs to increase interoperability throughout the plant life cycle and ensures fast-track implementation.

SPO supports leading integration technologies like SAP® NetWeaver and Microsoft® SharePoint. It is positioned to leverage the plant engineering design basis for enterprise asset management (EAM) systems such as SAP, reliability management systems such as Meridium, plant maintenance systems such as Maximo, distribution control systems (DCS) and enterprise content management (ECM) systems. SPO's integration with SAP has been awarded "Powered by NetWeaver®" certification status by SAP.

Accessing and managing cross-functional and cross-organizational engineering information via one common, role-based Web portal allows the various owner operators teams (management, engineering, operations, and maintenance) to collaborate seamlessly and to substantially reduce data discovery time while benefiting from significantly improved information quality and consistency. Pre-configured work processes and a powerful workflow engine ensure that processes are undertaken consistently and provide auditable traceability to demonstrate regulatory compliance.

The SPO portfolio is made up of three solutions – SPO Core, SPO Operating Plant and SPO Capital Project Execution. SPO solutions can be implemented enterprise-wide or on specific projects or plants and provide the following functionality:

• **SPO Core solution** – covers common core work processes such as maintenance of engineering data including central tag and document allocation, viewing and navigation of current and past engineering data, conceptual engineering, plant breakdown structure management, document management, vendor data capture and data loading during all plant life cycle phases.

• **SPO Operating Plant solution** – builds on top of the Core solution and provides work processes for the operations phase of the plant life cycle, such as bi-directional synchronization of data between SmartPlant Foundation and plant maintenance systems, workflow processing of change requests, and a secure, role-based, common Web portal for plant management, operations, maintenance and engineering personnel.

• **SPO Capital Project Execution solution** – also builds on top of the Core solution and supports greenfield and brownfield projects, providing business packages addressing work processes that are critical to coordinating activities during capital projects. These include Management of Change, Non-Conformity Management, Technical Query Management and managing interfaces between contractors as well as managing the evolving engineering design basis. This creates an effective, efficient handover process, shorter project times and reduced CAPEX. Standard interfaces will facilitate the seamless exchange of data and hand-off of work processes across the project value chain.

SPO includes business packages that offer preconfigured work processes that are expected to be a 60-80-percent fit for most owner operators and can be easily and rapidly adjusted to meet the needs of any customer. These solutions will help with challenges related to delivering projects within budget and time with finite resources and ensure predictable production at the lowest sustainable cost.

Gerhard Sallinger, Intergraph Process, Power & Marine president, said, “Many companies have strong operational results with Intergraph’s powerful solutions. Now, we’re extending that success to give owner operators a multi-discipline solution to optimize their ROA, increasing interoperability between engineering firms and their own company’s maintenance and business process systems.”

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Magma Announces Validated RTL-to-GDSII Low-Power Reference Flow for UMC’s Advanced 65-Nanometer Process

30 January 2008

Magma® Design Automation Inc. announced the availability of an integrated low-power IC implementation reference flow for UMC’s advanced 65-nanometer (nm) process. The 65-nm low-power reference flow enables designers to address low-power nanometer design considerations during implementation and within a single environment, maximizing quality of results (QoR) while reducing

turnaround time. A similar low-power reference flow for 90-nanometer has been available since 2006.

UMC's validation of the Magma low-power flow, which included rigorous QoR testing on actual designs, ensures that mutual customers have a streamlined path from RTL to silicon for their 65-nm chips.

"Addressing low-power considerations within our reference flows is critical to design success at advanced process nodes," said Ming Hsu, vice president of Worldwide IP Support at UMC. "We worked closely with Magma during the development of this 65-nm low-power reference flow to ensure that our process technology and the Magma software address many of the low-power requirements that designers are facing at 65 nm."

"With this reference flow, we continue to grow as an integral part of UMC's foundry solutions," said Kam Kittrell, general manager of Magma's Design Implementation Business Unit. "Managing power is a key design component at 65 nm, so this new flow reiterates the Magma software's ability to address a variety of nanometer low-power design challenges."

Magma-UMC Low-Power Reference Flow: Timing Closure without Iterations

The Magma-UMC RTL-to-GDSII low-power reference flow includes required scripts and documentation to enable Magma users to ramp up to UMC's advanced 65-nm low-power process technology and deliver silicon quickly. The reference flow delivers complete timing closure without iterations. A multiple-power domain is used to create different voltage domains with designated purposes, including reducing leakage current and reducing chip power consumption while meeting timing requirements. The reference flow also provides MTCMOS power switch insertion and placement for implementing a switched domain, automatic checking and insertion of level shifters and isolation cells to the right locations in a domain, retention of flip-flops and latches in the domain which can be powered down, and always-on buffer insertion for connecting to a secondary power source. In addition, Magma's advanced placement engines complete all the standard-cell placement in the design using features such as comprehensive congestion analysis and timing-driven placement.

Magma's clock tree synthesis constructs a minimum-skew clock tree. With the GUI clock-tree browser, users can monitor the clock tree implementation during the flow and can select the correct clock tree structures for their design. After clock tree synthesis is completed, Magma's advanced routing engines complete the routing, including signal and power routing, based on the user's specified routing rules. With Magma's integrated IC implementation solution and its unified data structure as the basis for the reference flow, UMC and Magma customers can deliver high-quality results in terms of timing, area, power, signal integrity and reliability while minimizing the design cycle.

Availability

Please contact your UMC customer service representative to gain access to the reference flow kit. Customers can also obtain the kit by visiting Magma Design Automation on the Web at www.magma-da.com/UMCMagmaReferenceFlow.html. Included with the kit is a summary document describing the flow, run scripts, a tutorial design, design rule Volcano™ and test case results.

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New Open Text Solution Addresses Compliance, Safety Rules for Process Changes at Refineries, Chemical Plants

31 January 2008

Open Text™ Corporation announced a new software solution that helps energy and chemical companies manage critical changes in processes at oil refineries and chemical plants. Management of Change (MOC) programs are a major challenge for plants, in terms of time, resources, and risks of fines, lawsuits or shutdowns if initiatives fail. Open Text's solution automates the content and processes for MOC, so that companies can cut down on the administrative burden, minimize risk and reduce costs.

The U.S. Occupational Safety and Health Administration (OSHA) Process Safety Management regulation states that any time a critical component in an oil or chemical plant changes, a formal MOC program is required to ensure that the proposed change is made safely.

Open Text's new Livelink ECM - Management of Change solution uses core content management and business process automation capabilities to simplify the MOC process. The solution manages all stages of the lifecycle of an MOC program, and ensures that every event in the system is auditable and reportable, providing transparency throughout the system. All documents and data are accessible via a single Livelink ECM repository to help ensure compliance, simplify the management of information and improve responsiveness to regulators.

Open Text designed the solution based on the best practices research of Gateway Consulting Group (http://www.gatewaygroup.com/), an Open Text partner and innovator in the design and implementation of ECM solutions for chemical and petrochemical plant environments. Dr. Rainer Hoff, president of Gateway, analyzed MOC processes at over a dozen chemical and petrochemical facilities in the United States. The resulting Gateway Group MOC Best Practices eliminates bottlenecks and identifies areas for improvements that provide facilities with real business benefits and savings.

"Fundamentally, an owner of a chemical plant or petroleum refinery must know the configuration of the plant at all times. If the operators do not know what is in the plant, then it is impossible to operate the plant safely, and sometimes fatal accidents can occur," said Hoff. "The plant owner receives excellent drawings and documentation when the plant is built. But that documentation and those drawings must be updated with every change made to a plant. This isn't just a good idea-it's the law. To really excel at MOCs, a company needs an ECM system with an MOC application. Livelink ECM with the Plant Compliance Module fits the bill." Hoff and Chris Vassalotti, Director of Business Solutions at Open Text, released a podcast (http://podcast.opentext.com/public/channel/rss/ot-ecm-news/item/12-OT_MOC-podcast-v1.mp3) today where they discussed the OSHA requirements for MOC and the advantages of an electronic MOC system.

Livelink ECM - Management of Change works by dividing the MOC lifecycle into a series of pre-defined "states" - Initiation, Classification, Design, Change Impact Analysis, Mechanical Integrity and Pre-Startup Safety Reviews. The decisions regarding which documents need to be updated, which tasks need to be completed and who the approvers (for any state) should be, are driven by pre-set rules. The application offers the flexibility to add or remove tasks and/or approvers based on the rules.

All of the content associated with an MOC, such as equipment manuals, piping and instrumentation diagrams, CAD drawings, and email communication, can be stored in the central repository and are tied back to the physical assets of the plant. This ensures that all documentation that represents the physical condition of the plant is readily accessible for risk management and compliance purposes.

"There's a lot at stake for customers when it comes to MOC and customers want a better way to manage the process," said Open Text's Vassalotti. "We've worked with Gateway Consulting Group to create a solution that provides a best-practices approach to the complexities of MOC, so that customers can have the control, consistency and efficiency they need to meet both the demands of their business and the

requirements of regulators."

For more information about Livelink ECM - Management of Change, go to: http://www.opentext.com/2/sol-products/sol-pro-compliance-governance/pro-ll-management-of-change.htm

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ProSTEP iViP Recommendation on Engineering Change Order (ECO) Now Released

1 February 2008

It is one of the automobile industry's general goals to reduce the processing time of the product creation process while still increasing its quality. In this context it is vitally important that changes are communicated and implemented as soon as possible including all the partners involved from development, planning and manufacturing and according to a defined change process (Engineering Change Management (ECM)).

A very important part of these processes is the handling of change orders (Engineering Change Order (ECO)). After specifying the technical bases and processes on change requests (Engineering Change Request (ECR)) the ProSTEP iViP / VDA project group ECM has just passed another milestone. „Our objective was to define processes that allow all partners to handle change orders in the product creation process in a seamless and traceable manner. With the present Recommendation this objective has been achieved. The ProSTEP iViP Recommendation on ECO is an effective tool for a frictionless implementation of change orders, allowing us to reduce time and costs", explains project leader Jürgen Scharpf of Daimler AG.

The working results on ECO now documented in the ProSTEP iViP Recommendation PSI 3-2 complement the developed recommendations on Engineering Change Management (VDA 4965-0) and Engineering Change Request (VDA 4695-1). This recommendation series is the joint working result of companies in the automobile industry as well as suppliers, software vendors and research institutes. The PSI 3-2 is mature and complete, but as it has not yet been validated in industry pilots it will be released as a draft for the time being. Interested companies are more than welcome to participate in the validation of PSI 3-2.

The ProSTEP iViP Recommendation PSI 3-2 (Draft) is available for download free of charge on the website of the ProSTEP iViP Association: http://www.prostep.org.

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Siemens PLM Software Expands Channel Operations in India

31 January 2008

Siemens PLM Software announced that it has expanded its sales channel in India, adding five new channel partners for Siemens Velocity Series™ software products.

These channel partners add capacity in the sales and support of Siemens PLM Software products throughout India to meet growing demand. The five new channel partners are Digital Design Solutions, ExpertnetCAD, 3D Engineering Solutions, Solid Vision and Gnosis Infotech. These partners have sold Siemens PLM Software products purchased from a distributor for the past 10 years and will now work directly with Siemens PLM Software. These companies achieved significant revenue growth over the

last year and together, they serve more than 1,000 customers throughout India.

“We’ve pioneered the PLM industry in India for 20 years and believe these new channel partners will continue to increase the adoption of our software,” said Hans-Kurt Lübberstedt, senior vice president, Asia Pacific, Siemens PLM Software. “We welcome these new partners in helping our customers meet their business growth goals.”

“The addition of these new partners reinforces the strong network of channel partners, established by us over many years,” added Narendar Reddy, vice president and general manager for India Operations, Siemens PLM Software. “We look forward to leveraging their strengths in their respective markets, while equipping them with all the knowledge and skills necessary to address the requirements of our customers. With a portfolio of market-leading PLM solutions and a strong channel in place, we intend to further consolidate our leadership position in the Indian market.”

Siemens PLM Software has more than 2,200 customers in more than 50 cities across India. Its customer list includes leading manufacturing enterprises from industries like automotive, heavy engineering and machinery, tooling, aerospace and defense, as well as a growing list of small to mid-sized companies. In addition, the company’s products are also used to train students at more than 300 engineering colleges and training centers across the region.

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Synopsys' DesignWare DDR Protocol Controller IP Integrated Into Arteris' Network-On-Chip Interconnect Solution

30 January 2008

Arteris, a leading provider of Network-on-chip (NoC) solutions and Synopsys, Inc. announced the integration of Synopsys' DesignWare® DDR Protocol Controller IP and the Arteris NoC solution for complex system-on-chips (SoCs). This combination delivers reliable, high-speed, on-chip connectivity with low latency to external DDR2 and DDR3 SDRAM memory for advanced systems.

Applications such as digital TVs, set-top boxes, telecom and storage require high-performance data traffic between the various processor subsystems and on-chip peripherals that extend to off-chip DDR SDRAM memory. The integration of the silicon-proven DesignWare DDR Protocol Controller IP and the silicon-proven Arteris NoC solution addresses these challenges by providing designers with the necessary memory traffic bandwidth and quality of service.

"We have worked closely with Arteris to integrate the Synopsys DesignWare DDR Protocol Controller IP into the Arteris memory scheduler and NoC solution," said Joachim Kunkel, vice president and general manager of the Solutions Group at Synopsys. "Arteris' customers now have access to high-quality, pre-verified DDR Memory Controller subsystem IP, shortening design time and lowering risk."

The Arteris NoC is capable of operating at frequencies exceeding 750 MHz in a 65 nanometer (nm) process and offers link widths from 32 to 128 bits for high system bandwidth. The NoC typically uses fewer top-level wires compared to a traditional on-chip bus fabric. The highly configurable DesignWare DDR Protocol Controller IP supports the latest DDR2 and DDR3 memory devices operating at up to 1600 Mbps. Synopsys provides a complete, silicon-proven IP solution comprised of a digital controller core, mixed-signal PHYs targeting today's leading foundries and process nodes, and verification IP for subsystem and system-level verification.

"The Arteris NoC and Synopsys DesignWare DDR Protocol Controller IP solution allows designers to

quickly create highly complex SoCs in deep submicron technologies, while saving significant internal development costs," said K. Charles Janac, president and chief executive officer of Arteris. "Synopsys' technology leadership in the DDR IP and connectivity IP markets makes them an ideal partner for our advanced NoC products."

Availability

The Arteris NoC IP solution and the integration kit for the Synopsys DesignWare DDR Protocol Controller IP are available from Arteris immediately.

For more information on DesignWare IP, visit http://www.synopsys.com/designware

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Tacton and Technia Enter into Reseller Agreement for Tacton Configurator

28 January 2008

Tacton Systems announced that Technia AB, the largest supplier of Product Lifecycle Management (PLM) systems in the Nordic region, has signed a reseller agreement for Tacton Configurator. The agreement will cover sales conducted through all of Technia's offices in Sweden, Finland and Norway.

Technia will sell Tacton Configurator as an add-on to the ENOVIA SmarTeam PLM system, based on Tacton’s standard integration into ENOVIA SmarTeam, enabling product configuration and sales of customized products in the PLM solution. Technia will also sell Tacton Configurator as a general sales configuration solution to their other customers, including some of the leading industrial names in machinery, hi-tech electronics, medical technology, automotive, aerospace and defence.

"The addition of Tacton Configurator to our portfolio will further enhance our position as a key provider of product lifecycle management solutions that add the greatest business value to an enterprise and its trading partners," says Florian von Tiedemann, Director, Technia AB.

For Tacton Systems, this latest move represents a further strengthening of its sales networks through regional partnerships around the globe.

"The agreement with Technia is an important opportunity for us to reinforce our presence in the Nordic region, which is a significant engineering and manufacturing hub," says Christer Wallberg, CEO, Tacton Systems.

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Tech Soft 3D Releases HOOPS v16.0

30 January 2008

Tech Soft 3D (TS3D), a leading provider of core graphics components for the engineering and design software industries, announced the availability of HOOPS version 16.0, which delivers Direct3D support and eye-popping performance.

HOOPS is a 2D/3D development platform for creating or enhancing professional-grade applications. Its rich set of application programming interfaces (APIs) enables developers to work from a very high level, and dramatically jump-starting software application development. It also enables programming teams to produce more competitive applications and to accelerate project delivery, while reducing total research and development costs.

"DirectX is raising the bar for experience and productivity by providing increased performance and visual quality with lower support costs on consumer, business and workstation-class graphics hardware," said Simon Floyd, Microsoft's worldwide industry technology strategist for product lifecycle Management. "The new Direct3D-driver in HOOPS offers a high-level programming approach that helps computer-aided design software developers rapidly migrate their applications and benefit from the advantages in DirectX and Windows Vista."

Learn more about HOOPS, Direct3D and Vista at the upcoming Microsoft/Tech Soft 3D web cast: http://www.techsoft3d.com/products/hoopsvista.html

Brian Harrison, Director of SolidWorks Labs, said his company derives large benefits from HOOPS. "We've always been pleased with the value HOOPS provides as a graphics foundation and the responsiveness of the TS3D team," Harrison said. "I was delighted to find that a simple switch to HOOPS v16.0 gave our eDrawings application a startling 6x performance gain."

Ron Fritz, TS3D's managing partner, said HOOPS v16 is a breakthrough release. "It's clear that Direct3D is a powerful force in the graphics community, and now applications using HOOPS can seamlessly handle both Direct3D and OpenGL," said Fritz. "Software applications built only to drive OpenGL should seriously look at migrating to version 16.0 in order to leverage Direct3D and its enhanced performance."

A video highligting what's new in HOOPS v16 (including demonstrations) can be found here: http://developer.techsoft3d.com/video/HOOPS_R16_Review.html

Highlights of HOOPS 16.0 include:

-- DirectX9 Shader-Based Driver: With Vista, a shader-based approach using DirectX9 has proven to be the optimal path for rendering. HOOPS' latest driver gives applications full access to the graphics power of Vista. The shader-based approach enables compelling new visualization capabilities, such as support for reflection planes and dynamic shadow maps.

-- Major Performance Boost: With both our DirectX and OpenGL drivers, HOOPS-based application developers will also see major performance gains.

-- Extended C# Support: As the community of C# developers continually grows, TS3D's HOOPS v. 16.0 actively extends these new bindings to enable even more rapid application development.

-- DGN Support: Access to DGN data is now available either directly into HOOPS-based applications through our integration with the Open Design Alliance's DGNDirect libraries or via HSF with our new Microstation HSF Export plug-in.

-- Animation Support Within 3D PDF: Our U3D Export has been extended to provide support for animations. This allows developers to easily export 3D PDF documents which include sophisticated animations.

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