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Top Story

PTC to Acquire Leading Product Development Software Provider CoCreate for \$250 Million

31 October 2007

PTC announced it has entered into a definitive agreement to acquire CoCreate Software GmbH, a provider of PLM and CAD modeling solutions for approximately \$250 million. CoCreate, based in Sindelfingen, Germany, is privately held, has 280 employees and more than 5,000 customers globally including Agilent, Canon, Fisher Controls, Fujitsu, HP, Liebherr, Matsushita Electric, NEC, Olympus, Phoenix Contact and Seiko Epson.

With the acquisition of CoCreate, PTC will broaden its portfolio and offer support for the most comprehensive range of modeling techniques in the MCAD industry. PTC plans to integrate the CoCreate modeling solutions with the PTC Product Development System (PDS) in order to offer CoCreate customers additional product development capabilities including engineering calculations, dynamic publishing, visualization, high-speed machining, and enterprise content and process

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management, and ultimately, the option of using their modeling solutions also as part of the PTC PDS.

With revenue of approximately \$80 million and substantial non-GAAP operating margins in the last twelve months, PTC expects the acquisition will be accretive to non-GAAP earnings and operating margins in the second quarter of fiscal 2008. Due to the lower level of deferred maintenance revenue that PTC will be permitted to record under purchase accounting as compared to the level of deferred maintenance revenue recorded by CoCreate, PTC expects that the acquisition will be dilutive to GAAP EPS in 2008, but accretive to GAAP EPS in 2009 and beyond. The acquisition is expected to close in December 2007, subject to customary conditions including regulatory approval.

“PTC is dedicated to providing product development organizations with the solutions that they need to be successful in an incredibly competitive global marketplace,” said C. Richard Harrison, president and CEO of PTC. “As experts in product development, we are constantly evaluating technologies that address the business challenges of our customers. This acquisition is compelling as it enhances PTC’s product portfolio while also contributing in a meaningful way to earnings and operating margin. The satisfaction of CoCreate’s customers will be a major focus for PTC. We are committed to protecting and enhancing the investment that these customers have made in CoCreate solutions and we plan to also offer additional complementary PTC solutions in order to bring them even more value.”

With this acquisition, PTC embraces all the accepted approaches to modeling – parametric, explicit, derived and 2D.

“The combination of PTC and CoCreate products will enable PTC to offer the manufacturing industry the flexibility to select the most appropriate modeling software for their business requirements from a financially secure, trusted worldwide product development technology leader,” said Jim Heppelmann, executive vice president and chief product officer of PTC. “Each modeling approach has its own advantages, and only PTC will have an objective view that allows us to map the appropriate modeling approach to a given customer situation, yet encase that modeling approach in a full product development system. In line with industry trends, we expect the majority of our modeling business will continue to come from our flagship parametric solution, Pro/ENGINEER®. CoCreate customers who prefer explicit modeling will now have a complete product development system as a viable option.”

“Offering high quality products that deliver significant customer value has always been a key tenet of CoCreate’s business strategy,” said William M. Gascoigne, CEO, CoCreate. “PTC’s plan to support and further develop CoCreate solutions as well as provide an integration to PTC’s product development system will provide our customers with additional technology choices, and even greater opportunities for product development success.”

PTC plans to finance the acquisition and related expenses with a combination of \$50 million of cash and \$210 million of debt from its existing credit facility.

Wachovia Securities acted as exclusive financial adviser to PTC in the transaction. CoCreate is a portfolio company affiliated with HBK Capital Management.

PTC will discuss the acquisition on its fourth quarter and fiscal 2007 earnings conference call and live webcast on October 31, 2007 at 10 a.m. ET. A replay of the call will be available until 5:00 p.m. ET on November 5, 2007. To access the replay via webcast, please visit <http://www.ptc.com/for/investors.htm>. To access the replay by phone, please dial 203-369-3752.

The timing of any product release or integration, including any features or functionality, will be determined as part of PTC’s release schedule after the acquisition closes, and subject to change at PTC’s

discretion.

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Acquisitions

Apache to Acquire Optimal Corporation

29 October 2007

[Apache Design Solutions](#) announced that it has signed a definitive agreement to acquire Optimal Corporation. Under the terms of the agreement, Apache will commence a cash tender offer to purchase Optimal for an undisclosed amount. Through this acquisition Apache further strengthens its leadership position in power and noise analysis from the chip domain to the package and system domains. Optimal's package and PCB extraction and analysis solution for power, signal, and thermal integrity compliments Apache's newly introduced Sentinel product line targeted at system power and I/O signal integrity.

Power is a system-wide challenge and companies can no longer keep IC, package and PCB designers in an isolated environment with sub-optimal performance, increasing production cost and risk of failures. A system-level power and noise solution with tightly integrated environment that addresses the multi-domain challenges will be a key requirement for the electronics design community.

"We see a lot of synergy between Apache and Optimal's product lines. Optimal is a leader in package-domain power and signal integrity with over 60 active customers worldwide. Additionally, its products have been validated and included in the TSMC Reference Flow for the past four years. This acquisition is part of Apache's strategic plan to provide the best-in-class power and noise flow from the IC to the package domain," said Andrew Yang, CEO of Apache.

"We are excited to become part of Apache and deliver solutions that enable designers to analyze and resolve power issues from early in the design process through silicon and package signoff. By joining forces, we can deliver much needed innovation to the semiconductor industry by creating a unique platform that addresses the power and signal integrity needs across chip, package, and system," said Dave DeMaria, CEO of Optimal Corporation.

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Autodesk Announces Acquisition of Hanna Strategies

31 October 2007

[Autodesk, Inc.](#) announced that it has signed an agreement to acquire Hanna Strategies, an engineering services firm that offers software development with centers in Shanghai, China, Atlanta, Georgia and Pune, India. In 2006, Autodesk purchased an ownership interest in Hanna Strategies and is now acquiring the remaining ownership. Terms of the transaction were not disclosed.

"Our goal is to continue building and strengthening Autodesk's development capabilities," said Carl Bass, president and CEO of Autodesk. "The Hanna Strategies team consists of experienced professionals and creative thinkers who will help deliver upon Autodesk's goal of establishing a world-class, global development network focused on continual innovation."

Autodesk and Hanna Strategies have worked closely together for the last five years on the development

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of Autodesk design software products that serve the manufacturing and building and construction markets. This acquisition will increase Autodesk's investment in developing solutions for Digital Prototyping, Building Information Modeling (BIM) and 3D and 2D solutions.

Combining two talented development teams into one unified Autodesk team will increase the efficiency and capacity of Autodesk's engineering operations. This unified team will also expand opportunities to attract and develop top engineering students and experienced professionals in China.

Samir Hanna, president, and Chien-Ming Huang, general manager, of Hanna Strategies will join Autodesk upon completion of this acquisition. Samir Hanna will join as a vice president in the Manufacturing Solutions division and Chien-Ming Huang will become vice president, at Autodesk's China Application Development Center.

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Rand A Technology Corporation Announces Shareholder Approval of Acquisition by Ampersand Ventures

30 October 2007

Rand A Technology Corporation operating as RAND Worldwide™ (“[Rand](#)” or the “Company”), announced that, at its special meeting of Rand shareholders held today, Rand shareholders approved the arrangement pursuant to Section 182 of the Business Corporations Act (Ontario) whereby certain funds managed by Ampersand Ventures will acquire, through their affiliate, 2144258 Ontario Inc., all of the issued and outstanding common shares of Rand for a cash purchase price of C\$2.10 per common share (the “Arrangement”).

The Arrangement resolution giving effect to the transaction with Ampersand was approved by over 77% of the Rand shares represented in person or by proxy at the special meeting. The Arrangement resolution was also approved by a majority of Rand’s minority shareholders as required by applicable law. Final Court approval of the Arrangement is scheduled for October 31, 2007 and, subject to satisfaction or waiver of the remaining closing conditions, the closing of the Arrangement is expected to occur on November 1, 2007.

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CIMdata Commentary

CIMdata Commentary: PTC Acquisition of CoCreate

31 October 2007

Today, PTC announced their intent to purchase CoCreate, a long established supplier of CAD, CAM, CAE, and data management solutions for manufacturing companies. CoCreate has been best known for being a very early provider of explicit modeling software. However, they have also created very strong offerings in design collaboration and product data management.

The combination of CoCreate's product suite with PTC's current offerings will provide users with a broad range of design methods, including 2D and 3D modeling using parametric design, explicit design, or models derived from existing designs as well as effective heterogeneous environment collaboration tools. The eventual adoption of all of these techniques into a comprehensive product offering will

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enhance the ability of existing and new PTC users to utilize multiple design methods based on their need and will provide current CoCreate customers with multiple expansion and evolution paths.

PTC also will gain CoCreate's substantial customer base, with many of those companies being in the high-tech electronics and consumer products industries. It will also strengthen PTC's market position in German language regions of the World. One of the challenges for PTC will be to incorporate and sustain support for CoCreate's large maintenance base of ME 10 users.

CIMdata believes that this acquisition can be beneficial to both PTC and to CoCreate's current customers. Achieving these benefits, as with all technology acquisitions, will be realized when PTC has successfully integrated CoCreate's technologies and domain expertise into an cohesive product offering.

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Company News

Alibre Expands Reseller Channel in North America

30 October 2007

Alibre, Inc. announced that they are actively seeking resellers in North America, building on the success of company's international resellers around the world.

The Alibre Reseller program provides the opportunity to grow an existing business or build a profitable new business by benefiting from Alibre's increasing brand awareness and business model that makes 3D accessible to more businesses and individuals. Alibre targets partners with established businesses and expertise in vertical markets, such as manufacturing and engineering, where Alibre products provide an incremental revenue source from customers who are purchasing related products and services including CAM software, CNC machine tools or rapid prototyping equipment such as 3D printers. In addition to the margin provided on a sale of Alibre Design software, Alibre provides support and service after the sale allowing resellers to focus on generating new business.

“Our business is growing rapidly worldwide, and it's being driven by customers who are undervalued and underserved by traditional CAD vendors,” said Scott Erickson, Vice President of Sales at Alibre. “This large new market is driving demand for our software, and it makes joining the Alibre sales channel a compelling new business opportunity. Our software offers an incremental revenue source for established businesses selling into industries like manufacturing where CAD software is commonly used. Resellers can add our products without defocusing their core business, making Alibre Design the ‘fries’ that go with the ‘Big Mac’ represented by their primary product and service offerings.”

“Our primary focus is on CAM software for CNC machine tools, but over the past year we have seen an increasing demand for 3D CAD from our customers,” said Scott Kitson, owner of Midwest CAM in Decatur, Indiana. “Our customers are in the manufacturing business, and their software budgets typically go to CAM software and machine tools. They're interested in CAD, but it's been viewed as an expensive and complex luxury. Alibre is the only company that has stepped up to change that. They allow us to put another valuable tool into our customers' hands while not forcing them to compromise on the CAM software and machine tools that are primary to their business.”

“Our vision is closely aligned with that of Alibre,” said Greg Jackson, President of Tormach LLC, a producer of ‘personal CNC equipment’. “To machine something you need to model it first, so our partnership with Alibre is a big part of enabling our customers' goals. We envision hundreds of

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thousands -- if not millions -- of small businesses, entrepreneurs, inventors, even hobbyists, being able to take ideas from concept to reality. Alibre Design software in conjunction with our CNC equipment is making advanced manufacturing technology accessible to literally anyone.”

Alibre is actively recruiting resellers. Interested parties are encouraged to email Alibre at sales@alibre.com, or visit the Alibre web site [here](#).

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CoCreate Software Announces 2008 Design Competition

1 November 2007

CoCreate Software, Inc. announced its 2008 Design Competition.

The theme of this year's competition is Excellence in Design.

Show off your best design project created in CoCreate's product development environment and receive global recognition for design excellence, plus the chance to win valuable prizes.

To take part in the competition, visit: <http://www.cocreate.com/competition2008>.

Submit a screenshot, rendered image, 3D model, 2D drawing or animation of your design in any of 21 different product categories. Entries must be received by March 28, 2008.

Beginning April 1, 2008, CoCreate web site visitors will vote for their favorite design project. This year's competition has added special categories for both students and CoCreate OneSpace Modeling Personal Edition users. CoCreate will announce the overall competition winner and 21 category winners the second week of May.

Winners select one gift from a range of products designed with CoCreate software. Gifts include products from HP, Canon, Panasonic, Festool and Liebherr.

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LEDAS to Release First Ever PLM+ERP Encyclopedia on isicad-2008 Conference

1 November 2007

[LEDAS](#) in cooperation with the isicad.ru community, the CAD/CAM/CAE Observer, PC Week/Russian Edition, ERPnews magazines, the ERPnews portal and technical assistance of SibCongress, has started the work on publishing the PLM+ERP Encyclopedia — a reference and educational manual for manufacturers, design bureaus, commercial organizations, universities, etc. The Encyclopedia will give basic information on the most popular solutions in PLM, ERP and adjacent components of informational environment of a modern enterprise; it will include articles about solutions, present on the market as well as characterizing prime examples of technology application. The PLM+ERP Encyclopedia will present:

- Leaders and principal actors on PLM +ERP software market, primarily succeeding on Russian and CIS market
- Fundamental, sustainable CAD/CAM/CAE/PDM.../CRM/ERP/PLM features of solutions (brands) offered by the companies-providers and main distributors
- Essential functionalities, advantages and the central market niche for every solution

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- Results and patterns of implementation, as well as prospective development
- Articles describing basic terms of PLM+ERP knowledge domains
- Useful information about vendors and distributors operating in the market of the Russian Federation and CIS

The Introduction to the Encyclopedia will be written by Kenneth Amann, Research Director of CIMdata — a world leading consulting firm on PLM. We have reached arrangements with several other well-known analytical agencies and portals on commissioning articles for the Encyclopedia, as well as its promotion abroad as a focused publication about the Russian market and its specific characteristics.

Currently all interested parties have an opportunity to discuss the draft glossary of the future publication, containing around 600 items (http://isicad.ru/encyclopedia_papers.php). Direct advertising will be reduced to the bare minimum. It is assumed that if a company-provider does not present its copyright material, the description of the company's solutions will be written by the Publishers independently, with each solution described on a separate article.

The project is being vigorously developed; the list of articles is now completed; a number of interested vendors have already presented their materials and articles. Publication of the Encyclopedia is timed to the opening of the isicad-2008 Forum (<http://www.isicad.ru/2008>). According to the established during previous 2004 (<http://www.isicad.ru/2004>) and 2006 (<http://www.isicad.ru/2006>) events tradition, isicad-2008 will offer several extended company's seminars, plenary sessions, and section reports; organize special sessions, an exhibition and various contests and discussions. It is expected that isicad-2008 will be attended by at least 300 participants representing interested clients as well as leading and well-known solution providers. Conference committee intends to considerably expand the range of industrial enterprises invited to Forum. Along with representatives from the Urals, Siberia and Far East, the isicad Forum, being the only All-Russian PLM+ERP venue, will also welcome companies from the European part of Russia.

Expected cast-off of Encyclopedia – around 400 pages with color illustrations, graphs and diagrams. There is not any fixed format for the solutions-presenting articles; nevertheless, it is assumed that their style should be similar to publications in trade journals. The first printing run will be partly distributed among the companies who contributed to the publication, forwarded to industrial enterprises and universities, given as handouts at specialized exhibitions, seminars, forums, etc.

For detailed information about the Encyclopedia Project progress, the list of the intended articles, as well as participation forms and conditions, please visit <http://www.plmpedia.org/>

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Mastercam's Multimedia Section on Web

October 2007

CNC Software has just added new videos to the Multimedia section of the Mastercam.com Web site. This page gives customers the opportunity to explore some of the latest features in the Mastercam family with downloadable video demonstrations, narrated overviews, and documents highlighting powerful new tools.

The Mastercam X2 MR2 What's New video was just added with the recent release of Mastercam X2's second Maintenance Release. These narrated videos highlight the new functionality in Mastercam X2

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MR2, including new peel milling, new saw toolpath, powerful machining boundaries, new surface creation, and more.

The Introducing Mastercam X2 video feature not only what's new for existing customers updating to the powerful, streamlined flow and flexibility of Mastercam X2, but provide a broad based overview of what Mastercam can do for a new customer. The 20-minute video covers seven distinct areas. The first segment covers the new Mastercam X interface and helps demonstrate both how to use it and why you may want to use it in specific ways. The second and third sections of this video provide actual workflow demonstrations of 2D and 3D design using Mastercam's highly graphical and flexible Sketcher tools. The remaining sections cover Multiaxis machining and high speed toolpaths.

The High Feed Optimization video focuses on the benefits of Mastercam's High Feed Optimization, including how this function can maximize your tooling and machine tool's capabilities.

The Multimedia page also provides videos of the Machine and Control Definition Toolkit in Mastercam, as well as Customer Testimonials which spotlight current Mastercam customers and how they have used Mastercam to increase their productivity or conquer complex jobs.

The Multimedia page at Mastercam.com will be continuously updated with new, exciting material, so check back often at <http://www.mastercam.com/Support/Multimedia/Default.aspx>

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New Product Development Study to Determine Best-in-Class Levels for Process Quality

31 October 2007

International TechneGroup Incorporated(ITI) is conducting a study to determine current New Product Development performance with regard to the speed, efficiency, costs, success and bottom-line profit and loss associated with introducing new products. Participants will receive a summary of the results (at no charge) that benchmarks their organization against Industry Average and Best-in-Class levels. They will also receive a report detailing where New Product Development Process improvement(s) should be focused and the associated return on investment. This study will utilize an on-line survey housed on a secure web site.

"New product development speed and efficiency are the single biggest factors in delivering sustained improvement to an organization's bottom-line performance," explained ITI Chief Executive Officer, Dr.Mike Benzakein. "This study originated in Japan and is now being expanded into North America. Current participants include such companies as: Toyota, Hitachi, Sony, Toshiba, Canon, Nikon, Makita, Mitsubishi, Yanmar, Sanyo, Ryobi, and many more."

ITI is currently inviting organizations to participate.

For more information contact ITI's Doug Smithson at: 513-576-3900,800-783-9199 or via e-mail at djs@iti-global.com.

About ITI

Headquartered in Milford, Ohio (USA), ITI is a leading provider of consulting, software products and related integration services that enable clients to improve their product and manufacturing process development capabilities. The Company's BestPractices for New Product Development have evolved to help companies in almost every industry reduce time to market, reduce development cost and ensure hit products before significant investments have been made.

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Powerway Taps Alan Ackroyd for CIO Role

31 October 2007

Powerway, Inc. has buttressed its commitment to domestic customers and positioned itself for European expansion with the appointment of Alan Ackroyd as Chief Information Officer.

Ackroyd is no stranger to Powerway or the PLM supply chain market. As Executive Director of Technology for Powerway's latest acquisition, Cohesia Corporation, he has been managing the technical and IT merge of the two organizations. In his CIO role, Ackroyd will direct strategic planning and oversee the support apparatus for Powerway's SaaS (software-as-a-service) operations.

Powerway CEO, H. Dave Chambliss, believes the time was right to further invest in the company's leadership. "Our technical and development model has served Powerway well. Now, our growth roadmap requires a world-class technical foundation. Alan has the talent, experience, and vision to anchor our global expansion."

The new CIO will quickly step into situations that require both business management and technical expertise. For years, the Powerway focus has been on the domestic automotive market. Now the acquisition of Cohesia and enhancements to Powerway's core product justify the broadening of its market. [Powerway](#) is supporting its penetration into European manufacturing by establishing datacenters and support systems local to those new markets.

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Si2 Announces Contribution from Synopsys to the OpenAccess Coalition

31 October 2007

The Silicon Integration Initiative (Si2) announced that Synopsys has donated an oaTcl-based OpenAccess graphical visualization program (oaViewer) to the OpenAccess Coalition. OaViewer will be demonstrated at the OpenAccess Conference on November 5, 2007 at the Sun Microsystems Santa Clara Conference Center.

OaViewer enables software developers of OpenAccess API-based programs to view design data such as hierarchical schematics and layouts including PCells. Prior to the donation, most developers accomplished this by writing their own viewers. The primary purpose of oaViewer is to aid software developers and help enable faster adoption of OpenAccess.

"Synopsys is donating the oaViewer to the OpenAccess community," said Rich Goldman, vice president of Strategic Market Development at Synopsys. "This is an important step towards analog design tool interoperability. We see this donation and the recent work in Interoperable PCell Libraries (IPL) to be significant improvements in making OpenAccess a truly open custom analog environment. We hope to inspire more donations to enable OpenAccess to become a complete usable analog solution."

Jim Wilmore, Co-Chief Architect of the OpenAccess ChangeTeam, pointed out that "The OpenAccess community has expressed an interest in the availability of a layout browser for OpenAccess for many years, so this contribution is very welcome. It is another example of growing vitality of the OpenAccess Contribution Site."

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"This donation from Synopsys is the latest instance of the OpenAccess Community identifying, developing, and making public new capabilities to enable and even accelerate the adoption and proliferation of OpenAccess. We greatly appreciate this Synopsys donation, as well as their input to the overall evolution of OpenAccess, as part of their role as a Director-level member of the OpenAccess Coalition," says Sumit DasGupta, sr. vice-president of engineering, Si2.

The viewer utility is available for download at: https://openeda.si2.org/help/OA_Contributions.php

More details on the OpenAccess Conference can be found at this link: <http://www.si2.org/?page=890>

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SolidProfessor Releases Advanced Surfacing For SolidWorks 2008

3 November 2007

[SolidProfessor](#) announced the release of its self-paced multimedia course on Advanced Surfacing for SolidWorks 2008.

Advanced Surfacing 2008 teaches users how to apply surfacing tools as well as solid modeling and sketching techniques to achieve complex, free-form shapes. The course steps the user through the creation of four distinct complex models in great detail. Each exercise introduces the user to different techniques aimed at producing complex faces, smooth blends, and aesthetically pleasing geometry. Features covered include Splines, Boundary Surfaces, Ruled Surfaces, Fill Surfaces, Intersection Curves, The Freeform Feature, Sweeps and Lofts. This course will equip the user with the SolidWorks skills necessary to create the visually appealing, ergonomic products in demand today.

Matt Lombard a leader in the field of surfacing and known for writing the SolidWorks Bible was the primary author of Advanced Surfacing 2008. Matt worked closely with SolidProfessor staff to ensure the production value and content would meet the strict quality standards SolidProfessor requires of all of its' content.

SolidWorks Advanced Surfacing 2008 is available direct from SolidProfessor or through a growing number of SolidWorks resellers including GoEngineer, Computer Aided Technology, Intercad, Digital Dimensions, ModernTech Mechanical, DesignPoint Solutions, The SolidExperts, CAPINC and more. The single user retail price is \$399 with volume discounts for multi-user implementations.

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Events News

ASCON to present KOMPAS-3D V9 at EuroMold 2007

30 October 2007

This year ASCON for the first time will exhibit at the EuroMold 2007 – World Fair for Moldmaking and Tooling, Design and Application Development. The New Version of professional CAD solution - KOMPAS-3D V9 to be demonstrated at ASCON stand - Hall 6.0 Stand B 50 and also at collective stand of CAD.de in Hall 6.0 Stand F 92.

ASCON suggests Euromold 2007 visitors and participants become familiar with the new version of KOMPAS-3D solution for Professional Parametric 3D Modelling and 2D Drafting. For over 17 years of

CIMdata PLM Industry Summary

ASCON counts thousands of successful KOMPAS-3D installations in different areas: aerospace, machine-building, automotive industry, plant construction, shipbuilding and many others.

New KOMPAS-3D V9 is the second, considerably improved, version to be distributed all over the world, completely available and supported in English and Russian. Czech, German and French languages also available in KOMPAS-3D V9.

Among KOMPAS-3D updates and novelties are Interactive Learning System – “KOMPAS Alphabet”, Improved Collaboration Tools, Import/Export extended functions and more 3D Parametric Modelling and Design Improvements. Most of new KOMPAS-3D features were based on international customers wishes and feed back. KOMPAS-3D V9 is a perfect solution for those who want to work in powerful, comfortable CAD and invest reasonable money in an excellent result.

ASCON welcomes You to visit Hall 6.0 Stand B 50 at Euromold to become acquainted with:

- New KOMPAS-3D V9 Live Presentation;
- Tutorials and Trainings of ASCON's highly qualified CAD experts;
- FREE Light and Demo Versions of New KOMPAS-3D V9;
- Interesting Contests and Attractive Price offers only for visitors.

For More information about KOMPAS-3D and ASCON, please, visit <http://www.ascon.net/>

For more information about Euromold 2007 Fair, please, visit <http://www.euromold.com/>

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CGTech to Show New Version of VERICUT at EuroMold 2007

29 October 2007

[CGTech](#) will exhibit the latest version of VERICUT CNC machine simulation and optimization software at EuroMold 2007 in Frankfurt on Stand J27 Hall 8.

VERICUT is software used throughout the world to simulate, verify and optimize CNC programs. The CGTech stand at EMO will feature simulations from many of the worlds leading CNC Machine Tool Makers including Mazak, Mori Seiki, Makino, DMG, Hermle, Matsuura and Chiron, focusing on the more complex 5 axis and multi –axis Mill/Turn centres. Virtual machining Gallery CDs will be available on request from the stand.

VERICUT 6.1 has many new features designed to streamline the NC program verification and simulation process. With this release, NC programmers now have more tools to analyze their CNC machining process. Following feedback from customers, features have been added that give the end user even more control of the virtual machining environment before, during, and after the simulation. New features include:

NC Program Review Integration

NC Program Review is now integrated in VERICUT’s main desktop. . When in Review mode, the user can navigate backwards from the last NC program line simulated. Error messages and NC program text is highlighted when a collision on the stock or fixture is selected. Entering Review mode adds Step Backward and Play Backward buttons to VERICUT’s other VCR buttons. The existing Step, Play, Rewind and Reset buttons also change to interact in Review mode, providing easy navigation through

the NC program. Optionally, material can be replaced while stepping backwards, and then removed again while stepping forward, giving the ability to easily identify and closely evaluate problem areas. Both machine views and profile views are now active in Review mode, including an optional tool path line display in the profile view. Additionally, synchronized subsystem simulation (such as for multi-channel controls) can now be displayed in Review mode.

CAD/CAM Interfaces Updates

VERICUT's CAD/CAM Interfaces make verifying NC Programs from within the CAD/CAM system easy and convenient. Users can verify individual operations, a series of operations, or a set of complete NC programs. All stock, fixture, and design geometry is automatically transferred to VERICUT in the correct orientation, along with the NC program, tooling, machine and control data and other simulation parameters. VERICUT simulates the post-processed CNC code output from the CAM system and therefore complements the toolpath simulation provided by many CAM systems.

The following CAD/CAM interface updates have been made in 6.1:

- Siemens PLM NX Interface— merges tools from the NX session with tools in the template project file's Tool Library.
- CATIA Interface— CATIA V5 users can choose how to apply the part operation's machining axis in their VERICUT simulation by selecting the offset table (Program Zero, Work Offset, etc.) and relationship to the machine (tool, rotary axis pivot, etc.). CATV allows the user to select sketch geometry used to define tool shapes in CATIA. This geometry is then used to create tools in VERICUT.

In addition interfaces to Delcam PowerMill, Open Mind HyperMill and Gibbs CAM are now available.

AUTO-DIFF

AUTO-DIFF allows the user to compare a CAD Design model with the in-process cut model at any stage of the simulation process highlighting areas of over-cutting and under-cutting.

AUTO-DIFF Constant Gouge Check can now optionally check for a minimum amount of excess material relative to the design model. This is typically used where roughing cuts should leave a specific minimum amount of material for subsequent machining. AUTO-DIFF profile is improved to give more robust results on large and complex profiles where the design and cut stock models are nearly coincident.

Manage Machine and Control Configurations

It may be desirable to "lock-down" VERICUT's machine configurations at companies with several machines and/or several NC programmers using VERICUT. 6.1. Encrypted machine and control files allow the site manager to prevent machine configurations from being inadvertently modified. Menu features are reorganized so "project-specific" settings used during day-to-day NC program simulation tasks are clearly separated from "machine/control" configuration settings. Using encrypted machine/control files automatically disables machine/control configuration menus.

Tool Enhancements

Turning tools with multiple inserts (such as "Flash" tools or other types of tools with multiple inserts) are now supported--including definition of multiple driven points. Each insert's position is checked for valid turning orientation before it will cut. Cutting limit checking (added in 6.0) is enhanced to include

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checking Minimum/Maximum RPM values. A new model choice automatically creates a milling tool's gage location at the highest point on the tool assembly.

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Cimatron Holds Global Annual Conference in China

29 October 2007

Representatives from all over the world gathered in China for the annual conference of subsidiaries and resellers of [Cimatron](#).

“China represents a significant growth opportunity for Cimatron,” said Danny Haran, CEO and President. “Holding our global conference here is another evidence to the strength of our commitment to this market.”

The conference took place in Beijing, October 14-19. More than 80 participants from over 20 countries took part in the event. Keynote speaker was Mr. Chao Yanan, General Secretary of China's Die & Mold Industry Association, who reviewed the industry's latest developments in China.

This annual event is where Cimatron worldwide representatives get together to share knowledge related to the most advanced solutions for mold makers, die makers, and manufacturers of discrete parts.

“It has been an honor to host our Cimatron colleagues from all around the globe,” said Lang Yan, General Manager of Cimatron China. “This remarkable gathering of experts in tooling and manufacturing is a unique opportunity to learn from each other so we can better serve the industry and our customers.”

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ESPRIT 2008 and ESPRIT Mold v9 at Mori Seiki's Die and Mold Solutions Fair

1 November 2007

ESPRIT 2008 and Mold Version 9 computer-aided manufacturing (CAM) software will be exhibited by DP Technology at the Die and Mold Solutions Fair, which will take place Nov. 13-16 and feature a selection of machines, in addition to special die and mold presentations, at Mori Seiki's largest European show room.

Slated to take place at Mori Seiki's Paris Technical Centre, the D& M Solutions Fair will feature highlights from the recent EMO show, live die and mold demonstrations, and several seminars, including a seminar presented by DP Technology.

Twenty-one machine tools — including 19 Mori Seiki machines and two Sodick machines, the Sodick Wire EDM AQ327L and Sodick Vertical EDM AQ351 — will be showcased at the event. Special die and mold presentations will take place during the first two days of the open house, Nov. 13-14.

Those interested in learning more about the advantages of ESPRIT will be treated to one-on-one demonstrations and presentations of new features available within the ESPRIT 2008 and ESPRIT Mold v9, as well as personal attention from DP staff.

In addition to increasing the performance of the CAM software, the upgrades on display at the Die and Mold Solutions Fair and available within ESPRIT 2008 and Mold v9 reduce the time required to produce part programs while increasing the quality of those programs and helping to reduce machining

cycle times.

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Mentor Graphics Announces Speaker Lineup of the 6th Integrated Electrical Solutions Forum for the Automotive Industry

1 November 2007

Mentor Graphics Corporation announced details of the 6th Integrated Electrical Solutions Forum (IESF 2007) for the automotive industry. This year's event is being held at the Hyatt Hotel, Dearborn, Michigan, on Tuesday, December 4th, 2007.

Over the last few years, IESF has become a key event for anyone involved in automotive electrical systems design and analysis, multi-technology simulation, harness engineering, or vehicle network design and test. It is also the only event that has a full day stream dedicated to wiring design and engineering issues in the automotive industry.

A full program of 25 different presentations, three streams of specialist topics, an industry panel, solutions expo, and networking events that offer managers and engineers the opportunity to explore issues, examine solutions, and network with peers.

Following an opening address by Gregory K Hinckley, Mentor Graphics president, the agenda highlights include:

IESF Keynote: "Observations and Trends in the Automotive Electrical & Electronic Domain," by Paul Hansen of The Hansen Report

"Methodologies for Automotive Electrical System Level Analysis; Their Advantages and Shortcomings," by Asaad Makki of Ford Motor Company

"EEDS Architectural Development and Early Collaboration," by Rick Burns of Yazaki

"Electronics: The New Differential in the Automotive Industry," by Frank Winters of Delphi

"Architectural Requirements Trends in Automotive Network Design and Tools to meet these Challenges," by Sri Kanajan of General Motors

"Institutionalizing the Capture of Knowledge for Electrical Design: The OEM Perspective," a joint presentation by Daniel Domagalski of Chrysler LLC and Paul Duffy of Mentor Graphics

"Physical Layer Simulation for a CAN/FlexRay Bus Design and the Impact on Electrical Systems," by Rainer Straschill of Berata, a consultancy engaged at BMW

Other speakers include representatives from Aston Martin Lagonda, Siemens Automation and Drive, Agilent Technologies and Mentor Graphics. The event is free to anyone from an automotive OEM or supplier. To register and for more information, plus the latest agenda, please visit

www.mentor.com/go/iesf

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Siemens PLM Software Announces 2007 Digital Manufacturing Symposium

1 November 2007

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Siemens PLM Software announced the 2007 Digital Manufacturing Symposium, an annual event scheduled for November 14 and 15, in Dearborn, Michigan at the Ford Conference and Event Center.

This year's event brings together a wide variety of manufacturing executives, industry experts and technology leaders to explore the latest solutions, successes, best practices and future directions in digital manufacturing. Attendees will hear several customers, from a cross section of industries, describe in their own words how they dealt with common manufacturing issues and created a competitive advantage through the application of digital manufacturing technology. Companies delivering presentations this year include American Axle, Atomic Energy Canada Ltd. (AECL), Ford Motor Company, General Electric AE, General Motors, Volkswagen Mexico and Vought Aircraft Industries.

In addition, Dr. Robert Atkinson author of "Digital Prosperity" will enlighten the audience with a presentation on the "Economic Impact of IT Investments in Manufacturing," and Tony Affuso, chairman and CEO of Siemens PLM Software, will discuss the company's vision for digital manufacturing. Finally, a wealth of information will be shared about the latest release of Tecnomatix® software.

"The Digital Manufacturing Symposium has experienced rapid growth every year with attendance at last year's event exceeding all of our expectations. We are expecting this year to be even bigger," said Alain Lung, vice president of Digital Manufacturing Marketing, Siemens PLM Software. "This will be our first opportunity to host this event since becoming part of Siemens and we look forward to sharing our expanded capabilities and world-class solutions that are helping to transform the global manufacturing industry."

For more information on the 2007 Digital Manufacturing Symposium and to register for the event, please visit https://www.ugs.com/forms/symp_dig_mfg.shtml.

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Si2 Announces Interoperability Demo at the 11th OpenAccess+ Conference OpenAccess+ Conference

29 October 2007

The Silicon Integration Initiative (Si2) announced that a ground-breaking interoperability demonstration will be shown at the 11th OpenAccess+ Conference on November 5, 2007, at Sun Microsystems' Santa Clara Conference Center in Santa Clara, California. Five EDA vendors will be demonstrating an OpenAccess analog/custom design flow, starting with schematic and going all the way through layout & DRC. All five tools will operate on a single OpenAccess database, without any translation or streaming out to GDSII between tools. This is the first time that this many tools from this many vendors have all been able to interoperate on the same database, without translation or conversion. The companies featured are: Ciranova, Mentor Graphics, Silicon Canvas, Silicon Navigator, and Synopsys.

The 11th OpenAccess+ Conference will focus on progress in achieving interoperability, a fundamental promise of OpenAccess. This special presentation will explore experiences shared across 5 EDA companies in how OpenAccess based design data can flow unencumbered across the types of tools that form the backbone of custom IC design flows. It will demonstrate how the OpenAccess model is a baseline for interoperability and how extensions are engineered to complete design data mobility.

Other presentations will explore both vendor and end-user experiences in actual implementations of OpenAccess, as well as a new concept for EDA tools called "OpenEngines." The important new Data Model 4 which allows a new level of application functionality will also be discussed.

For more information, the full agenda, and to register for the conference, visit

<http://www.si2.org/?page=890>

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Financial News

ANSYS Reports Continued Growth Momentum That Results in Strongest Third Quarter in Company's History, Driven By Organic Revenue Growth

1 November 2007

ANSYS, Inc. announced a new Company record for third quarter non-GAAP operating results. The Company has also provided its initial outlook for the 2008 fiscal year.

Jim Cashman, President and CEO commented on the company's third quarter 2007 performance by saying, "This was a very solid quarter for ANSYS. Most notably, this quarter's performance stands out as it represents an 'apples-to-apples' comparison of our business with Non-GAAP organic revenue growth at 21.5% (18% in constant currencies). We believe that the strength of the results hints at increasing potential and validates our strategy to engage our customers at new levels, driven by the breadth and depth of our world-class simulation capabilities. It also reinforces the importance of our continued focus on integration to build the foundation for the future."

Cashman continued, "While a great deal of work remains to be done, our strategies and vision have continued to be validated. The opportunity over the long haul appears to be solidifying, and we believe that the ANSYS trajectory of future technology, coupled with our focus on execution and understanding the business drivers, should enable us to cope with the challenges of the future. This is a real testament to all of our employees, partners and expanding array of customers that have propelled us in this endeavor. As we close in on this year, our outlook is positive, our business momentum is good and we are continuing to invest to support the needs of our customers and our business, all with an eye toward generating long-term shareholder value."

To view ANSYS' third quarter and year-to-date 2007 financial results click [here](#). The non-GAAP results exclude the income statement effects of stock-based compensation, purchase accounting for deferred revenue and acquisition-related amortization of intangible assets. The nine-month results for 2006 also exclude a one-time charge related to in-process research and development associated with the acquisition of Fluent. Non-GAAP and GAAP results reflect:

Total non-GAAP revenue of \$94.0 million in the third quarter of 2007 as compared to \$77.4 million in the third quarter of 2006; total non-GAAP revenue of \$275.9 million in the first nine months of 2007 as compared to \$191.6 million in the first nine months of 2006; total GAAP revenue of \$94.0 million in the third quarter of 2007 as compared to \$70.1 million in the third quarter of 2006; total GAAP revenue of \$274.1 million in the first nine months of 2007 as compared to \$178.4 million in the first nine months of 2006;

A non-GAAP operating profit margin of 43.8% in the third quarter of 2007 as compared to 37.1% in the third quarter of 2006; a non-GAAP operating profit margin of 43.3% in the first nine months of 2007 as compared to 39.0% in the first nine months of 2006; a GAAP operating profit margin of 33.6% in the third quarter of 2007 as compared to 18.3% in the third quarter of 2006; a GAAP operating profit margin of 32.4% in the first nine months of 2007 as compared to 9.1% in the first nine months of 2006;

Non-GAAP net income of \$25.0 million in the third quarter of 2007 as compared to \$18.2 million in the

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third quarter of 2006; non-GAAP net income of \$73.0 million in the first nine months of 2007 as compared to \$49.2 million in the first nine months of 2006; GAAP net income of \$18.7 million in the third quarter of 2007 as compared to GAAP net income of \$8.4 million in the third quarter of 2006; GAAP net income of \$53.1 million in the first nine months of 2007 as compared to GAAP net income of \$1.9 million in the first nine months of 2006; and

Non-GAAP diluted earnings per share of \$0.31 in the third quarter of 2007 as compared to \$0.23 in the third quarter of 2006; non-GAAP diluted earnings per share of \$0.90 in the first nine months of 2007 as compared to \$0.66 in the first nine months of 2006; GAAP diluted earnings per share of \$0.23 in the third quarter of 2007 as compared to GAAP diluted earnings per share of \$0.10 in the third quarter of 2006; GAAP diluted earnings per share of \$0.66 in the first nine months of 2007 as compared to GAAP diluted earnings per share of \$0.03 in the first nine months of 2006.

The Company's GAAP results reflect stock-based compensation charges of approximately \$ 2.1 million (\$1.7 million after tax) or \$0.02 diluted earnings per share for the third quarter of 2007 and approximately \$6.4 million (\$5.3 million after tax) or \$0.06 diluted earnings per share for the first nine months of 2007.

The non-GAAP financial results highlighted above, and the non-GAAP financial outlook for 2007 discussed at <http://phx.corporate-ir.net/phoenix.zhtml?c=118715&p=irol-newsArticle&ID=1070858&highlight=>, represent non-GAAP financial measures. A reconciliation of these measures to the appropriate GAAP measures, for the three months and nine months ended September 30, 2007 and 2006, and for the 2007 and 2008 financial outlook, is included in the condensed financial information included in this release.

On May 14, 2007, the Company announced that its Board of Directors approved a 2-for-1 stock split of the Company's common shares. The stock split was payable in the form of a stock dividend and entitled each stockholder of record at the close of business on May 25, 2007 to receive one share of common stock for every outstanding share of common stock held on that date. The stock dividend was distributed on June 4, 2007. The share data and earnings per share data in this press release give effect to the stock split, applied retroactively, to all periods presented.

Management's Remaining 2007 and Initial 2008 Financial Outlook

The Company has provided its 2007 and 2008 revenue and earnings per share guidance below. The revenue and earnings per share guidance is provided on both a GAAP basis and a non-GAAP basis. Non-GAAP revenue and non-GAAP diluted earnings per share exclude charges for stock-based compensation, as well as the income statement effects of purchase accounting for deferred revenue and acquisition-related amortization of intangible assets.

As required by SFAS No. 123R and guidance issued by the Securities and Exchange Commission, effective January 1, 2006, the Company records expenses and tax benefits related to stock-based compensation. As a result, the GAAP estimates for earnings per share provided below reflect the anticipated impact of stock-based compensation. The Company issues both nonqualified and incentive stock options; however, incentive stock options comprise a significant portion of outstanding stock options. The tax benefits associated with incentive stock options are unpredictable, as they are predicated upon an award recipient triggering an event that disqualifies the award and which then results in a tax deduction to the Company. GAAP requires that these tax benefits be recorded at the time of the triggering event. The triggering events for each option holder are not easily projected. In order to estimate the tax benefit related to incentive stock options, the Company makes many assumptions and

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estimates, including the number of incentive stock options that will be exercised during the period by U.S. employees, the number of incentive stock options that will be disqualified during the period and the fair market value of the Company's stock price on the exercise dates. Each of these items is subject to significant uncertainty. Additionally, a significant portion of the tax benefits related to disqualified incentive stock options is accounted for as an increase to equity (additional paid-in capital) rather than as a reduction in income tax expense, especially in the periods most closely following the adoption date of SFAS No. 123R. Although all such benefits continue to be realized through the Company's tax filings, this accounting treatment has the effect of increasing tax expense and reducing net income. For example, the Company realized a tax benefit of \$1.7 million during the third quarter of 2007 related to disqualified incentive stock options; however, only \$36,000 of such amount was recorded as a reduction in income tax expense. Because there are significant limitations in estimating the impact of SFAS No. 123R, including those discussed above, the actual impact of stock-based compensation on GAAP earnings per share may differ materially from the estimated amounts included in the guidance below.

Impact of Adoption of FIN 48

Effective January 1, 2007, the Company adopted FASB Interpretation No. (FIN) 48, "Accounting for Uncertainty in Income Taxes" -- an Interpretation of SFAS No. 109, "Accounting for Income Taxes." Pursuant to FIN 48, ANSYS identified, evaluated and measured the amount of income tax benefits to be recognized for its income tax positions. The adoption of FIN 48 resulted in an increase to income tax expense in the third quarter of 2007 of \$591,000 and a corresponding adverse impact on the effective tax rate of 1.9%. Income taxes as a percentage of GAAP earnings before income taxes were approximately 39.6% in the third quarter of 2007 as compared to 25.3% in the third quarter of 2006. This rate fluctuates over time based on the income tax rates in the various jurisdictions in which the Company operates, and based on the level of profits in those jurisdictions.

Fourth Quarter 2007 Guidance

The Company currently expects the following for the quarter ending December 31, 2007:

- GAAP revenue in the range of \$99 - \$101 million
- Non-GAAP revenue in the range of \$99 - \$101 million
- GAAP diluted earnings per share of \$0.23 - \$0.24
- Non-GAAP diluted earnings per share of \$0.32 - \$0.33

Fiscal Year 2007 Guidance

The Company currently expects the following for the fiscal year ending December 31, 2007:

- GAAP revenue in the range of \$373 - \$375 million
- Non-GAAP revenue in the range of \$375 - \$377 million
- GAAP diluted earnings per share of \$0.89 - \$0.91
- Non-GAAP diluted earnings per share of \$1.22 - \$1.23

Fiscal Year 2008 Guidance

The Company currently expects the following for the fiscal year ending December 31, 2008:

- GAAP revenue in the range of \$425 - \$432 million

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- Non-GAAP revenue in the range of \$425 - \$432 million
- GAAP diluted earnings per share of \$1.04 - \$1.11
- Non-GAAP diluted earnings per share of \$1.39 - \$1.42

Non-GAAP revenue and diluted earnings per share are supplemental financial measures and should not be considered as a substitute for, or superior to, revenue and diluted earnings per share determined in accordance with GAAP.

ANSYS will hold a conference call at 10:30 a.m. Eastern Time on November 1, 2007 to discuss third quarter results. The call will be recorded and a replay will be available approximately two hours after the call ends. The replay will be available for one week by dialing 719-457-0820 or 888-203-1112 and entering the passcode "ANSYS" or "26797". The archived webcast can be accessed, along with other financial information, on ANSYS' website at <http://www.ansys.com/corporate/investors.asp>.

Use of Non-GAAP Measures

The Company provides non-GAAP revenue, non-GAAP operating income, non-GAAP operating profit margin, non-GAAP net income and non-GAAP diluted earnings per share as supplemental measures to GAAP regarding the Company's operational performance. These financial measures exclude the impact of certain items and, therefore, have not been calculated in accordance with GAAP. A detailed explanation of each of the adjustments to such financial measures is described below. This press release also contains a reconciliation of each of these non-GAAP financial measures to its most comparable GAAP financial measure.

Management uses non-GAAP financial measures (a) to evaluate the Company's historical and prospective financial performance as well as its performance relative to its competitors, (b) to set internal sales targets and spending budgets, (c) to allocate resources, (d) to measure operational profitability and the accuracy of forecasting, (e) to assess financial discipline over operational expenditures and (f) as an important factor in determining variable compensation for management and its employees. In addition, many financial analysts that follow our Company focus on and publish both historical results and future projections based on non-GAAP financial measures. We believe that it is in the best interest of our investors to provide this information to analysts so that they accurately report the non-GAAP financial information. Moreover, investors have historically requested and the Company has historically reported these non-GAAP financial measures as a means of providing consistent and comparable information with past reports of financial results.

While management believes that these non-GAAP financial measures provide useful supplemental information to investors, there are limitations associated with the use of these non-GAAP financial measures. These non-GAAP financial measures are not prepared in accordance with GAAP, are not reported by all of the Company's competitors and may not be directly comparable to similarly titled measures of the Company's competitors due to potential differences in the exact method of calculation. The Company compensates for these limitations by using these non-GAAP financial measures as supplements to GAAP financial measures and by reviewing the reconciliations of the non-GAAP financial measures to their most comparable GAAP financial measures.

The adjustments to these non-GAAP financial measures, and the basis for such adjustments, are outlined below:

Purchase accounting for deferred revenue. As announced on May 1, 2006, ANSYS acquired Fluent Inc. in a series of mergers. In accordance with the fair value provisions of EITF 01-3, "Accounting in a

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Business Combination for Deferred Revenue of an Acquiree," acquired deferred revenue of approximately \$31.5 million was recorded on the opening balance sheet, which was approximately \$20.1 million lower than the historical carrying value. Although this purchase accounting requirement has no impact on the Company's business or cash flow, it adversely impacts the Company's reported GAAP software license revenue primarily for the first twelve months post-acquisition. In order to provide investors with financial information that facilitates comparison of both historical and future results, the Company has provided non-GAAP financial measures which exclude the impact of the purchase accounting adjustment. The Company believes that this non-GAAP financial adjustment is useful to investors because it allows investors to (a) evaluate the effectiveness of the methodology and information used by management in its financial and operational decision-making and (b) to compare past and future reports of financial results of the Company as the revenue reduction related to acquired deferred revenue will not recur when related annual lease licenses and software maintenance contracts are renewed in future periods.

Amortization of intangibles from acquisitions and its related tax impact. The Company incurs amortization of intangibles, included in its GAAP presentation of amortization of software and acquired technology, and amortization expense, related to various acquisitions it has made in recent years. Management excludes these expenses and their related tax impact for the purpose of calculating non-GAAP operating income, non-GAAP operating profit margin, non-GAAP net income and non-GAAP diluted earnings per share when it evaluates the continuing operational performance of the Company because these costs are fixed at the time of an acquisition, are then amortized over a period of several years after the acquisition and generally cannot be changed or influenced by management after the acquisition. Accordingly, management does not consider these expenses for purposes of evaluating the performance of the Company during the applicable time period after the acquisition, and it excludes such expenses when making decisions to allocate resources. The Company believes that these non-GAAP financial measures are useful to investors because they allow investors to (a) evaluate the effectiveness of the methodology and information used by management in its financial and operational decision-making and (b) compare past reports of financial results of the Company as the Company has historically reported these non-GAAP financial measures.

Stock-based compensation expense and its related tax impact. The Company incurs expense related to stock-based compensation included in its GAAP presentation of cost of software licenses, cost of maintenance and service, research and development expense and selling, general and administrative expense. Although stock-based compensation is an expense of the Company and viewed as a form of compensation, management excludes these expenses for the purpose of calculating non-GAAP operating income, non-GAAP operating profit margin, non-GAAP net income and non-GAAP diluted earnings per share when it evaluates the continuing operational performance of the Company. Specifically, the Company excludes stock-based compensation during its annual budgeting process and its quarterly and annual assessments of the Company's and management's performance. The annual budgeting process is the primary mechanism whereby the Company allocates resources to various initiatives and operational requirements. Additionally, the annual review by the board of directors during which it compares the Company's historical business model and profitability as it relates to the planned business model and profitability for the forthcoming year excludes the impact of stock-based compensation. In evaluating the performance of senior management and department managers, charges related to stock-based compensation are excluded from expenditure and profitability results. In fact, the Company records stock-based compensation expense into a stand-alone cost center for which no single operational manager is responsible or accountable. In this way, management is able to review on a period-to-period

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basis each manager's performance and assess financial discipline over operational expenditures without the effect of stock-based compensation. The Company believes that the non-GAAP financial measures are useful to investors because they allow investors to (a) evaluate the Company's operating results and the effectiveness of the methodology used by management to review the Company's operating results, and (b) review historical comparability in its financial reporting, as well as comparability with competitors' operating results.

Acquired in-process research and development. The Company incurs in-process research and development expenses when technological feasibility for acquired technology has not been established and no future alternative use for such technology exists. Management excludes these expenses and their related tax impact for the purpose of calculating non-GAAP financial measures when it evaluates the continuing operational performance of the Company because these costs do not relate to the Company's ongoing operations and generally cannot be changed or influenced by management at the time of or after the acquisition. Accordingly, management does not consider these expenses for purposes of evaluating the performance of the Company during the applicable time period after the acquisition, and it excludes such expenses when making decisions to allocate resources. The Company believes that this non-GAAP financial adjustment is useful to investors because it allows investors to (a) evaluate the effectiveness of the methodology and information used by management in its financial and operational decision-making and (b) to compare past and future reports of financial results of the Company as the expense related to in-process research and development is a one-time item recorded on the date of acquisition.

Non-GAAP financial measures are not in accordance with, or an alternative for, generally accepted accounting principles in the United States. The Company's non-GAAP financial measures are not meant to be considered in isolation or as a substitute for comparable GAAP financial measures, and should be read only in conjunction with the Company's consolidated financial statements prepared in accordance with GAAP.

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Arena Solutions Reports Q307 as the Most Successful Bookings Quarter for On-Demand Arena PLM in the Company's History

31 October 2007

Arena Solutions announced Q307 as the most successful bookings quarter in the company's seven-year history. Additionally, a significant number of current customers expanded their investments in Arena PLM, primarily to accelerate their new product development process or manage a complex network of outsourced relationships.

Arena Solutions delivered exceptionally strong year-over-year growth of 38% percent, outpacing current growth expectations for PLM vendors, and a remarkable 43% quarter over quarter growth in sales to new customers. During the quarter, electronics, medical device, and innovative auto and automotive supply chain companies topped the list of those adopting Arena PLM. These companies selected Arena PLM for its on-demand advantage, which provides a quick return on investment and makes the software easy to install, maintain and use, without any increase in IT spending.

Arena Solutions expanded its international presence to more customers across the world, from Canada, the Netherlands, and Australia in addition to growing its solid base of American companies who have adopted Arena PLM. A sampling of the customers, who chose Arena PLM this quarter, includes:

Canada-based ZENN Motor Company, a leading developer, manufacturer and supplier of zero-emission,

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electric vehicles. The company is focused on delivering quality transportation solutions that positively impact our environment and greatly reduce operating costs.

California-based VNUS Medical Technologies, Inc., a leading provider of medical devices for the minimally invasive treatment of symptomatic venous reflux disease. Their proprietary closure system was proven as effective as vein stripping, the historical standard for treatment, with fewer side effects and faster recovery.

Oregon-based Yakima, a world leader in the design and manufacture of destination hardware and gear management solutions that help outdoor activists do what they love.

New Jersey-based DVTel, a dominant market player in the creation, development, and delivery of Multi-source Intelligence Systems over IP networks.

“We’re challenging people’s preconceptions of electric vehicles by delivering the right mix of quality, durability, comfort and satisfaction in our zero-emission, no noise cars. We’re using Arena PLM to help us control the mass of information that goes along with this effort, accelerate our time to market, and manage our network of outsourcing partners,” said Ian Clifford, founder and CEO of ZENN Motor Company.

Other significant highlights of Q3 2007:

The company delivered its new Arena PLM Fall ’07 release, incorporating customer-inspired functionality across all core functional areas. Delivering constant innovation through its on-demand platform, Fall ’07 represents the 49th release of significant new functionality in seven-years.

Arena Solutions yet again surpassed its 99.5% guaranteed service level agreement for Arena PLM for the sixth consecutive quarter maintaining 99.99% availability.

“Business has never been better than right now, with sales of our software growing in all directions,” said Michael Topolovac, chief executive officer of Arena Solutions. “We’re benefiting from our target market becoming more aware of the advantages attached to the on-demand (SaaS) platform for PLM, and recognizing [Arena Solutions](#) as the only neutral and truly effective PLM vendor serving small-to-medium-sized manufacturers.”

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Autodesk Extends Invitation to Join its Third Quarter Fiscal 2008 Financial Results Conference Call on Thursday, November 15th at 2:00 p.m. Pacific Time

1 November 2007

WHAT: Autodesk, Inc. announced that it will broadcast its third quarter fiscal 2008 financial results conference call live via its website on Thursday, November 15, 2007.

WHEN: Thursday, November 15th 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 866.700.0133 or 617.213.8831 and reference 99767233 as the passcode. An audio replay webcast and podcast will also be available at 4:00 p.m. Pacific Time on their website at <http://www.autodesk.com/investors> or by dialing 888.286.8010 or 617.801.6888 and reference

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80971692 as the passcode.

CONTACT: For more information, please call Autodesk Investor Relations at 415-507-6705.

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Dassault Systèmes: DS Third Quarter Software Revenue Growth Exceeds 17% in Constant Currencies

30 October 2007

Dassault Systèmes (DS) reported financial results for the third quarter and nine months ended September 30, 2007.

Summary Third Quarter 2007 Financial Highlights

- GAAP software revenue up 19% in constant currencies; non-GAAP software revenue up 17% in constant currencies
- SolidWorks new seats up 19%
- DS reconfirms 2007 constant currency non-GAAP revenue growth objective of 14% to 15% and adjusts 2007 non-GAAP EPS objective to €1.96 to €2.00 for weaker US dollar
- DS initiates 2008 non-GAAP growth objectives for software and total revenue

Bernard Charlès, Dassault Systèmes President and Chief Executive Officer, commented, “DS had a satisfactory third quarter, despite currency headwinds, with strong software performance. We continue to make good progress in our PLM Value channel transformation and SolidWorks had a rewarding quarter with 20% non-GAAP revenue growth in constant currencies.

“DS is expanding the scope of its PLM portfolio to revolutionize the way companies can share and reuse 3D product data. Our goal is to help companies leverage their product-related data wherever it may reside for product documentation, technical training, maintenance, customer service as well as for marketing and sales. With the acquisition of Seemage, we are adding an innovative team and technology in support of this vision.

“We continue to focus our R&D efforts on developing technologies for next-generation, online collaboration. As part of our 3D For ALL strategy, we recently launched with Microsoft, Virtual Earth – 3DVIA Shape. This online application enables users to easily create realistic 3D models of homes and buildings, and then share them with others in online communities.”

Third Quarter 2007 Financial Summary

Third Quarter 2007 Financial Highlights:

Third Quarter 2007 In millions of Euro, except per share data	GAAP			Non-GAAP		
	Q3 2007	Growth	Growth in cc*	Q3 2007	Growth	Growth in cc*
Total Revenue	299.1	8%	13%	301.3	7%	12%
Software Revenue	255.9	14%	19%	258.1	12%	17%
EPS ¹	0.26	-24% ¹		0.39	-3% ¹	
Operating Margin	15.7%			22.5%		

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* In constant currencies.

¹EPS growth trends in the third quarter were impacted both in GAAP and non-GAAP by one-time, positive tax restructuring effects in the year-ago period. Specifically, GAAP pretax income increased 6% to €48.6 million in the 2007 third quarter, while GAAP earnings per diluted share of €0.26 decreased 24% on a higher effective tax rate of 35.8% compared to 11.8% in the year-ago period. Non-GAAP pre-tax income increased 6% to €69.5 million compared to €65.4 million in the year-ago quarter, while non-GAAP earnings per diluted share of €0.39, in line with the Company's objective, decreased 3% on a higher effective tax rate of 32.7% compared to 28.0% in the year-ago quarter.

Third quarter software performance was driven by good software revenue growth in both PLM and Mainstream 3D segments.

- Non-GAAP PLM revenue rose 10% in constant currencies in the third quarter. CATIA is seeing continued momentum in large accounts and increasing interest in CATIA PLM Express in the PLM Value channel. New CATIA seats in the quarter increased 4% to 7,704. ENOVIA, following a robust first half, had non-GAAP revenue growth of 12% in constant currencies in the third quarter and is on track to deliver a solid full year performance.
- DS PLM Value channel continues to advance its transformation on the original timetable, is seeing growth in new customers and is starting to expand VAR capacity.
- SIMULIA saw strong interest for its simulation applications in the third quarter continuing the trends of the first half of this year with expanding relationships with its largest customers, broadening of its customer base, and growth in automotive and aerospace which should help drive market share gains for SIMULIA.
- SolidWorks delivered a record quarter for revenue. Non-GAAP SolidWorks revenue increased 20% in constant currencies with seat growth of 19% (11,350 seats) demonstrating good demand from companies looking to convert to 3D from 2D legacy design tools. Total Mainstream 3D non-GAAP revenue, which now includes both SolidWorks and CosmosWorks, increased 19% in constant currencies in the third quarter.
- All regions contributed to the growth in non-GAAP revenue in the third quarter, led by Asia, up 27% in constant currencies; the Americas up 10% in constant currencies and Europe higher by 5%. In addition, all three geographic regions reported double-digit software growth in constant currencies.
- Service revenue, which totaled €43.2 million in the 2007 third quarter, decreased 11% in constant currencies on an unusually strong base of comparison as 2006 third quarter service revenue was up 72% in constant currencies.
- On October 18, 2007, Microsoft and DS introduced Microsoft Virtual Earth – 3DVIA. This free online application, developed by Dassault Systèmes, allows consumers to create realistic 3D models - such as buildings and structures - and then share them through Microsoft Virtual Earth and online communities.
- New wins in the quarter included: LG and Yantai Raffles in collaboration, HydroQuebec and KTM in simulation, Valeo in digital manufacturing and Foxconn, a combined PLM design and collaboration win, among others.

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Nine-Month 2007 Financial Summary

Year-to-date GAAP software revenue up 17% in constant currencies and non-GAAP software revenue up 16% in constant currencies

Nine-Month 2007 Financial Highlights:

Nine Months ended September 30, 2007 In millions of Euro, except per share data	GAAP			Non-GAAP		
	YTD 2007	Growth	Growth in cc*	YTD 2007	Growth	Growth in cc*
Total Revenue	895.7	11%	16%	904.8	10%	15%
Software Revenue	755.0	12%	17%	764.1	10%	16%
EPS	0.85	0%		1.20	8%	
Operating Margin	16.5%			22.7%		

* In constant currencies.

Cash flow and other financial highlights

Net operating cash flow totalled €62.9 million and €240.1 million, respectively, for the third quarter and nine months ended September 30, 2007. Cash and short-term investments aggregated €71.1 million and long-term debt totalled €10.5 million at September 30, 2007.

Segment Information

Commencing with the 2007 third quarter, DS has reclassified CosmosWorks to its Mainstream 3D business segment from the PLM segment reflecting the fact that CosmosWorks' products are primarily sold through the SolidWorks channel in conjunction with the sale of SolidWorks products. All other DS simulation applications are classified within the PLM segment. In this press release, all references to SolidWorks' revenues exclude CosmosWorks. All references to Mainstream 3D in this press release include both SolidWorks and CosmosWorks revenues. Detailed reconciliations for prior periods can be found on the Company's website: www.3ds.com within the 2007 third quarter presentation.

Other Corporate Announcements

On October 2, 2007 DS announced that it expanded its market coverage into the product documentation market with the acquisition of Seemage, an innovative start-up. In combination, DS plans to offer a new class of desktop-based content authoring tools specifically addressing new communities including product documentation, customer service, technical training and marketing and sales.

Business Outlook

Thibault de Tersant, Senior Executive Vice President and CFO, commented, "Based upon our financial performance through the first nine months and with our third quarter in line with our expectations, we are reconfirming our 2007 constant currency non-GAAP revenue objective for growth of about 14-15% but are adjusting our 2007 non-GAAP reported revenue range to about €1.275 to €1.285 billion and our non-GAAP earnings per share objective to about €1.96 to €2.00 to reflect an update of our US dollar exchange rate assumption to US\$1.45 per €1.00 versus US\$1.35 previously.

"Looking to 2008, we see a continuation of the favorable demand dynamics for our software. We are introducing our 2008 initial constant currency non-GAAP software revenue growth objective of about

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12% and non-GAAP total revenue growth of about 10% in constant currencies.”

The Company's objectives are prepared and communicated only on a non-GAAP basis and are subject to the cautionary statement set forth below:

- Fourth quarter non-GAAP total revenue objective of about €370 to €380 million; non-GAAP EPS of about €0.76 to €0.80 and non-GAAP operating margin of about 36%;
- 2007 non-GAAP total revenue objective of about 14% to 15% growth in constant currencies (unchanged);
- 2007 non-GAAP EPS objective of about €1.96 to €2.00, representing about 7% to 9% growth (previously €2.00 to €2.05);
- 2007 non-GAAP operating margin objective of about 27% (unchanged);
- Objectives based upon exchange rate assumptions for the 2007 fourth quarter of US\$1.45 (previously US\$1.35) per €1.00 and JPY 165 (unchanged) per €1.00;
- 2007 non-GAAP revenue range of about €1.275 to €1.285 billion, updated from the prior range of €1.285 to €1.30 billion;

The non-GAAP objectives set forth above do not take into account the following accounting elements: deferred revenue write-downs estimated at approximately €12 million (before Seemage) for 2007; stock-based compensation expense estimated at approximately €18 million for 2007 and amortization of intangibles estimated at approximately €48 million (before Seemage) for 2007. These estimates do not include any new stock option or share grants, or any new acquisitions completed after October 30, 2007.

Recent Business News Highlights

- On October 16th, DS announced that ITER was using DELMIA solutions to virtually define a future power generation plant.
- On October 8th, DS announced that Valeo had selected DELMIA digital manufacturing solutions for manufacturing processes improvement.
- On October 4th, DS launched DELMIA PLM Express.
- On September 25th, DS announced Version 5 Release 18 of its PLM portfolio.
- On September 24th, SolidWorks unveiled PDMWorks Enterprise 2008.
- On September 19th, DS launched Apparel PLM Solution for the Mid-Market.
- On September 13th, DS announced the availability of Abaqus for CATIA Version 2.5.

Conference call information

Dassault Systèmes will host a teleconference call today, Tuesday, October 30, 2007 at 3:00 PM CET/2:00 PM London/10:00 AM New York. The conference call will be available via the Internet by accessing <http://www.3ds.com/corporate/investors/>. The webcast teleconference will be archived for 30 days. Financial information to be discussed in the call will be available on the Company's website prior to commencement of the teleconference at <http://www.3ds.com/corporate/investors/>. Additional investor information can be accessed at <http://www.3ds.com/corporate/investors/> or by calling Dassault Systèmes' Investor Relations at 33.1.40.99.69.24.

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Non-GAAP financial information

Readers are cautioned that the supplemental non-GAAP information presented in this press release is subject to inherent limitations. It is not based on any comprehensive set of accounting rules or principles and should not be considered as a substitute for U.S. GAAP measurements. Also, our supplemental non-GAAP financial information may not be comparable to similarly titled non-GAAP measures used by other companies. Further specific limitations for individual non-GAAP measures, and the reasons for presenting non-GAAP financial information, are set forth in the company's annual report for the year ended December 31, 2006 on Form 20-F filed with the SEC on May 29, 2007. To compensate for these limitations, the supplemental non-GAAP financial information should be read not in isolation, but only in conjunction with our consolidated financial statements prepared in accordance with U.S. GAAP.

Information in constant currencies

When we believe it would be helpful for understanding trends in our business, we provide percentage increases or decreases in our revenue (in both US GAAP and on a non-GAAP basis) to eliminate the effect of changes in currency values, particularly the U.S. dollar and the Japanese yen, relative to the euro. When trend information is expressed herein "in constant currencies", the results of the "current" period have first been recalculated using the average exchange rates of the comparable period in the preceding year, and then compared with the results of the comparable period in the preceding year.

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Lectra: Third Quarter 2007 Results

30 October 2007

Third Quarter 2007:

- Orders for new software licenses and CAD/CAM equipment: +16%(*)
- Revenues: EUR 52.3 million (+5%)(*)
- Income from operations: EUR 4.2 million (+1%)(*)

(*) like-for-like

(en millions d'euros)	July 1 - September 30	July 1 - September 30
	2007	2006
Revenues	52.3	51.1
Change like-for-like(1)	+5%	
Income from operations	4.2	4.8
(2)		

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Change like-for-like(1)	+1%		
+-----+-----+-----+			
Net income	2.4	2.7	
+-----+-----+-----+			
Free cash flow before	(5.4)	2.0	
non-recurring items(3)			
+-----+-----+-----+			
Stockholders' equity(4)			
+-----+-----+-----+			
Trésorerie nette(4)			
+-----+-----+-----+			
(en millions d'euros)	January 1 -	January 1 -	
	September 30	September 30	
+-----+-----+-----+			
		2007	2006
+-----+-----+-----+			
Revenues	156.5	158.3	
+-----+-----+-----+			
Change like-for-like(1)		+2%	
+-----+-----+-----+			
Income from operations	7.6	12.3	
(2)			
+-----+-----+-----+			
Change like-for-like(1)	-23%		
+-----+-----+-----+			
Net income	4.8	8.4	
+-----+-----+-----+			
Free cash flow before	(7.9)	13.8	
non-recurring items(3)			
+-----+-----+-----+			
Stockholders' equity(4)	24.9	72.2	
+-----+-----+-----+			
Trésorerie nette(4)	8.8	10.0	
+-----+-----+-----+			

(1) Like-for-like: 2007 figures restated at 2006 exchange rates (which are not indicated in this table)

(2) 2006 income from operations before a non-recurring EUR 0.2 million net charge in Q3

(3) Non-recurring components of free cash flow: net disbursements of EUR 2 million in Q3 and EUR

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5.2 million for the first nine months of 2007 (EUR 0.3 and EUR 8.5 million in Q3 and for the first nine months of 2006)

(4) At September 30, 2007 and at December 31, 2006

The Board of Directors of Lectra, chaired by André Harari, reviewed the unaudited consolidated financial statements for the third quarter and first nine months of 2007.

(Detailed comparisons between 2007 and 2006 are like-for-like)

Orders for New Systems Up Sharply

Business activity in Q3 2007 confirmed the momentum recorded since the beginning of the year. Orders for new software licenses and CAD/CAM equipment advanced 16% (EUR 3.3 million) in the third quarter relative to Q3 2006. For the first nine months of 2007, orders increased by 14% or EUR 9.9 million compared to 2006.

Production of new generation Vector cutting systems continued to ramp up in Q3, bringing delivery times down from 13 weeks as observed in the first-half of the year to 8 weeks at September 30, 2007, the target being to return to Lectra's normal level of 3 weeks.

Given this situation and the strong growth in orders for the Vector (312 automated Vector cutting systems booked in the first nine months of the year, a rise of 38% relative to the same period in 2006, already exceeding those received for previous generation Vector cutting systems in the whole year 2006), the order backlog for new software licenses and CAD/CAM equipment at September 30 (EUR 21 million) remains substantial. The order backlog is up by EUR 9.2 million relative to September 30, 2006, at actual exchange rates.

First Nine Months 2007 Financial Results

Revenues for the first nine months of 2007 totaled EUR 156.5 million, up 2%, like-for-like, relative to 2006. Revenues from new systems sales fell by 3% due to delays in delivery times while recurring revenues grew by a solid +7%.

Income from operations (EUR 7.6 million) was EUR 9.5 million, like-for-like, down 23% relative to the first nine months of 2006 income from operations before a non-recurring EUR 0.2 million net charge in Q3 2006.

Net income amounted to EUR 4.8 million (EUR 8.4 million for the first nine months of 2006), representing net earnings per share on basic and diluted capital of EUR 0.15 (EUR 0.24 for the first nine months of 2006). Net earnings per share on basic capital and diluted capital for Q3 were EUR 0.08, up 11% and 10% respectively relative to Q3 2006, given the reduction in the number of shares resulting from the public stock buyback tender offer.

The company registered an exceptionally negative free cash flow before non-recurring items of EUR 7.9 million, resulting from the temporary increase in inventories following the launching of the new generation of automated cutters.

Financial Structure

As a consequence of the public stock buyback tender offer for 20% of the capital stock in May, consolidated stockholders' equity amounted to EUR 24.9 million at September 30, 2007.

Cash and cash equivalents totaled EUR 8.8 million. Financial borrowings totaled EUR 64.7 million, of which EUR 48 million correspond to the medium-term bank loan put in place to finance the public stock

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buyback tender offer, and EUR 15.9 million in cash facilities, due to the temporary increase in working capital requirement.

2007 Outlook Downgraded

(All comparisons between 2007 outlook and 2006 figures are provided like-for-like)

Fourth quarter

For the fourth quarter of 2007, the company expects:

- aggregate revenues of between EUR 58.5 million and EUR 62.5 million, up by 5% to 13%,
- income from operations before non-recurring items, if any, of EUR 3.4 million at the lower end of the range of assumptions, down 15%, and EUR 5.4 million at the upper end of the range, up 25%.

This new outlook results from a number of components:

- first, the product mix observed in orders for the first nine months, while the quantities of Vector systems manufactured will not be sufficient to close the gap between orders and deliveries between by year-end. This situation is not expected to be cleared up in full until toward the end of Q1 2008;
- further, the mechanical impact of the dollar's further weakening, on the new parity assumption (\$1.44/EUR 1) which has rendered inoperative the assumed \$1.38/EUR 1 parity for the second half scenarios communicated by the company on July 27, 2007. The company has not hedged its net dollar exposure in 2007.

Full-year 2007

In view of results for the first nine months and the Q4 outlook, the company now expects to achieve for the full-year 2007:

- total revenues of between EUR 215 and EUR 219 million, up by 3% to 5% like-for-like,
- income from operations excluding non-recurring items, if any, would come to between EUR 11 and EUR 13 million, down 21% at the low end of the range of assumptions, and 9% at the upper end.

In the meantime, free cash flow before non-recurring items is expected to be close to the level of the first nine months. The company continues to expect a return to a normative situation from the beginning of 2008.

In view of the encouraging momentum in business activity registered in the first nine months of the year, and assuming this is confirmed in Q4, the above figures only reflect the conversion of a small portion of the growth in orders into revenues and earnings for 2007, the bulk of these orders remaining in the backlog at December 31, 2007, which is expected to continue to be up sharply.

The Management Discussion and Analysis of Financial Condition and Results of Operations for the third quarter and first nine months of 2007 are available at <http://www.lectra.com/>. Fourth quarter and full-year 2007 financial results will be published on February 11, 2008, after the close of Euronext Paris.

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Open Text Reports First Quarter Fiscal 2008 Financial Results

1 November 2007

Open Text™ Corporation announced unaudited financial results for its first quarter that ended September 30, 2007.(1)

Total revenue for the first quarter was \$164.0 million, compared to \$101.2 million for the same period in the prior fiscal year. License revenue in the first quarter was \$44.3 million, compared to \$28.8 million in the first quarter of the prior fiscal year.

Adjusted net income in the quarter was \$22.1 million or \$0.43 per share on a diluted basis, compared to \$12.2 million or \$0.24 per share on a diluted basis for the same period in the prior fiscal year. Net income in accordance with U.S. generally accepted accounting principles ("US GAAP") was \$7.8 million or \$0.15 per share on a diluted basis, compared to \$7.3 million or \$0.15 per share on a diluted basis for the same period in the prior fiscal year.(2)

Operating cash flow in the first quarter of fiscal 2008 was \$32.2 million, compared to \$9.6 million in the first quarter of fiscal 2007.

"The Company plans to make an additional debt prepayment of \$30.0 million. This will reduce our debt from \$390 million at the time of the Hummingbird acquisition to approximately \$296.3 million. We are pleased with our accelerated repayment of the debt ahead of schedule and plans for future lump sum debt repayments will continue to be reviewed on a periodic basis," said Paul McFeeters, Chief Financial Officer of Open Text.

The cash, cash equivalents and short-term investments balance as of September 30, 2007 was \$150.3 million. Accounts receivable as of September 30, 2007, totaled \$117.0 million, compared to \$76.7 million as of September 30, 2006, and Days Sales Outstanding (DSO) was 64 days in the first quarter of fiscal 2008, compared to 68 days in the first quarter of fiscal 2007. "I am pleased with our performance in the quarter," said John Shackleton, President and Chief Executive Officer of Open Text. "We experienced strong sales in the pharmaceutical and energy sectors, meeting our profitability targets and generating strong operating cash flow. We are well on our way to meeting our objectives for fiscal 2008."

Please see note (2) below for a reconciliation of non-US GAAP based financial measures used in this press release, to US GAAP based financial measures.

Teleconference Call

Open Text will host a conference call on November 1st, 2007 at 5:00 p.m. ET to discuss the final financial results for its first quarter.

A replay of the call will be available beginning November 1, 2007 at 7:00 p.m. ET through 11:59 p.m. on November 15, 2007 and can be accessed by dialing 416-640-1917 and using pass code 21249297 followed by the number sign.

For more information or to listen to the call via Web cast, please use the following link:
<http://www.opentext.com/events/event.html?id=6638677>.

Notes

(1) Based on comparison of historic revenue figures publicly disseminated by companies in the Enterprise Content Management ("ECM") sector. All dollar amounts in this press release are in US

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Dollars unless otherwise indicated.

(2) In addition to these GAAP and adjusted results, the Company has provided financial information that adds-back maintenance revenue eliminated due to the impact of purchase accounting entries on deferred revenue and the impact of interest expense. Management believes that the furnishing of these adjustments provide a consistent basis for comparison between quarters and help to more accurately reflect Open Text's underlying operating results.

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PTC Reports Fourth Quarter and Fiscal Year 2007 Results; Company Delivers Fiscal 2007 Revenue of \$941.5 Million and Cash Flow From Operations of \$127.4 Million

31 October 2007

PTC reported revenue of \$266.7 million for the fourth quarter ended September 30, 2007, up 9% from the same period last year. Total license revenue for the fourth quarter of 2007 was \$96.1 million, up 14% from the same period last year. For fiscal year 2007, PTC reported total revenue of \$941.5 million, up 10% from fiscal year 2006. Total license revenue for fiscal year 2007 was \$296.1 million, up 12% from fiscal year 2006.

“We executed well in the fourth quarter and delivered good results for the year,” said C. Richard Harrison, president and chief executive officer. “In particular, our non-GAAP operating margin of 24% for the fourth quarter contributed to our ability to deliver substantial margin growth for the full year. Additionally, sales of our Enterprise Solutions continue to significantly outpace market growth. Finally, we delivered outstanding results in Europe in 2007. We are winning customer benchmarks because our software and services solutions address real business process challenges and work together in a cohesive system. This provides customers with substantial value because it enables them to replace multiple proprietary and legacy point solutions, as well as manual processes, as they strive to globalize product development and run lean processes.”

PTC also announced today that it will restate its previously issued financial statements with respect to certain transactions involving Toshiba Corporation of Japan recorded during the fiscal periods 2001 to 2006. As discussed in PTC's Current Report on Form 8-K filed today with the Securities and Exchange Commission, the transactions appear to have been related to an allegedly fraudulent scheme conducted by a Toshiba employee. The aggregate revenue associated with the transactions anticipated to be restated is approximately \$41 million, or less than 1% of total PTC revenue during the affected fiscal years, and the expected reduction in fiscal 2006 revenue is approximately \$8 million. The revenue to be reversed from prior periods is expected to be deferred as of September 30, 2007, to be recorded as revenue or other income in the future if and to the extent that the rights and obligations of the companies connected with the transactions are resolved in PTC's favor. As part of the restatement, PTC also expects to record adjustments to correct other previously identified immaterial errors.

“Our decision to restate our results does not indicate any change in our position in the pending litigation relating to these transactions,” said Neil Moses, CFO of PTC. “PTC Japan delivered software and services and was paid for the software and services delivered. We will continue to defend vigorously our position. At the same time, Toshiba continues to be a valued customer and has made additional purchases in fiscal 2007, which are not impacted by the restatement.”

No adjustments have been made to the financial results reported in this press release to reflect the anticipated restatement. PTC believes its results for the fourth quarter and fiscal year 2007 will not be

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materially affected by this restatement. PTC expects to complete the restatement and to file its Annual Report on Form 10-K with the SEC by the November 29, 2007 due date.

Additionally, PTC today announced its intent to acquire CoCreate Software, GmbH for \$250 million (see separate press release issued October 31, 2007). The transaction value represents approximately 3.1 times CoCreate's total revenue, 4.6 times its maintenance revenue, and 7.4 times its non-GAAP operating margins, based on trailing twelve-month data. The acquisition is expected to close in December 2007, subject to customary conditions including regulatory approval.

Fourth Quarter and Fiscal 2007 Earnings Results

GAAP operating income for the fourth quarter of 2007 was \$31.0 million, or 11.6% of total revenue. GAAP net income for the fourth quarter of 2007 was \$36.1 million, or \$0.31 per diluted share. Non-GAAP operating income, which excludes stock-based compensation cost, restructuring charges and amortization of acquisition-related intangible assets, was \$64.2 million for the fourth quarter of 2007, or 24.1% of total revenue. Non-GAAP net income, which excludes the items excluded from non-GAAP operating income and the related tax effect of those items, as well as one-time tax items, was \$44.5 million for the fourth quarter of 2007, or \$0.38 per diluted share.

GAAP operating income for fiscal year 2007 was \$93.0 million, or 9.9% of total revenue. GAAP net income for fiscal year 2007 was \$155.8 million, or \$1.33 per diluted share. Non-GAAP operating income, which excludes stock-based compensation cost, amortization of acquisition-related intangible assets, in-process research and development write-offs associated with acquisitions, and restructuring charges, was \$159.7 million in 2007, or 17.0% of total revenue. Non-GAAP net income, which excludes the items excluded from non-GAAP operating income and the related tax effect of these items, as well as one-time tax items, was \$118.2 million for 2007, or \$1.01 per diluted share. We have provided a reconciliation between GAAP and non-GAAP results in the attached financial tables.

PTC's GAAP and non-GAAP results for the fourth quarter and fiscal 2007 reflect the reversal of PTC's valuation allowance against deferred tax assets in the U.S. and a foreign jurisdiction in the third quarter of 2007. This reversal resulted in a GAAP tax benefit in both the fourth quarter and full year of 2007. This tax benefit is excluded from our non-GAAP results. We have provided more information about the impact of this change in the attached financial tables.

Cash and cash equivalents were \$263 million at the end of fiscal 2007, up from \$260 million at the end of the third fiscal quarter of 2007, ahead of expectations. PTC purchased shares of PTC stock under its authorized share repurchase program for \$8.1 million during the quarter. Cash flow from operations was \$12.3 million and \$127.4 million for the fourth quarter and fiscal year 2007 respectively.

Fourth Quarter 2007 Revenue Metrics

PTC delivered the following results for the fourth quarter of fiscal 2007:

- License revenue of \$96.1 million, training and consulting service revenue of \$64.6 million, and maintenance revenue of \$106.0 million;
- Desktop Solutions total revenue of \$157.4 million;
- Enterprise Solutions total revenue of \$109.2 million, the highest quarterly Enterprise Solutions revenue in the company's history;
- Total reseller channel revenue of \$51.3 million;

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- Revenue of \$102.2 million in North America, \$101.6 million in Europe, \$28.6 million in Japan and \$34.2 million in the Pacific Rim.

In the fourth quarter, PTC received orders from leading organizations, including Airbus S.A.S.; Areva T&D ASUSTek Computer Inc.; China State Shipbuilding Corporation (CSSC); Danaher Tool Group; Dell Inc.; EMC Corporation; Lockheed Martin Corporation; Manitowoc Crane; Nvidia; Quanta Computer Inc.; Robert Bosch; Tata Motors Limited; Whirlpool Corporation; and ZF Friedrichshafen AG.

Fiscal Year 2007 Revenue Metrics

PTC delivered the following results for fiscal 2007:

- License revenue of \$296.1 million, training and consulting service revenue of \$237.0 million, and maintenance revenue of \$408.4 million;
- Desktop Solutions total revenue of \$586.9 million;
- Enterprise Solutions total revenue of \$354.6 million;
- Total reseller channel revenue of \$195.1 million;
- Revenue of \$365.0 million in North America, \$353.4 million in Europe, \$97.5 million in Japan, and \$125.6 million in the Pacific Rim.

“We have entered Fiscal 2008 with a financial plan that supports both customer success and improved shareholder value,” continued Harrison. “We continue to strengthen our products with new capabilities and ease-of-use. We also continue to improve our distribution and services models to provide the best support to customers while further improving our profitability. And our globalization efforts, well underway, enable us to reduce costs while at the same time adding resource capacity to support future growth. All of these initiatives give us confidence in both short-term and long-term revenue and operating margin targets. We are introducing guidance for 2008 of revenue of \$1 billion and non-GAAP EPS of \$1.05 - \$1.15, which implies a non-GAAP operating margin of at least 21%.”

First Quarter and Fiscal Year 2008 Financial Outlook

PTC’s revenue forecast for the first quarter of fiscal 2008 is between \$230 million and \$240 million. On a GAAP basis, earnings per share are expected to be between \$0.08 and \$0.13. The Company expects non-GAAP first quarter earnings per share to be between \$0.20 and \$0.25. These earnings expectations reflect the change (increase) in tax rate as a result of the reversal of the valuation allowance. The non-GAAP earnings expectations exclude the following first quarter estimated expenses and their tax effects:

- Approximately \$11 million of expense related to stock-based compensation
- Approximately \$4.5 million of acquisition-related amortization expense
- Approximately \$9 million of restructuring expenses related to our continued globalization program
- PTC expects its cash balance to be between \$250 million and \$260 million at the end of the first quarter.

For the fiscal year ending September 30, 2008, PTC expects revenue to be about \$1 billion. On a GAAP basis, earnings per share are expected to be between \$0.68 and \$0.78. The Company expects non-GAAP earnings per share to be between \$1.05 and \$1.15 for the fiscal year. The non-GAAP earnings

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expectations exclude the following full-year estimated expenses and their tax effects:

- Approximately \$45 million of expense related to stock-based compensation
- Approximately \$18 million of acquisition-related amortization expense
- Approximately \$12 million of restructuring expenses related to the continued globalization program

The above guidance for the first quarter and fiscal 2008 does not include any potential effect of the CoCreate acquisition announced today. As described in that announcement, PTC expects the acquisition will be accretive to non-GAAP earnings and operating margins in the second quarter of fiscal 2008. Due to the lower level of deferred maintenance revenue that PTC will be permitted to record under purchase accounting as compared to the level of deferred maintenance revenue recorded by CoCreate, PTC expects that the acquisition will be dilutive to GAAP EPS in 2008, but accretive to GAAP EPS in 2009 and beyond. PTC expects that acquisition to close in the first quarter, subject to regulatory approval, and therefore expects to update its detailed guidance upon the close of that transaction.

Important Information about Non-GAAP References

References by PTC to non-GAAP operating costs and expenses, non-GAAP operating income, non-GAAP operating margin (non-GAAP operating income as a percentage of total revenue), non-GAAP net income and non-GAAP earnings per share refer to costs and expenses, operating income, net income or earnings per share, respectively, excluding stock-based compensation cost, amortization of acquisition-related intangible assets, and their related tax effects, as well as one-time tax items, if any. GAAP requires that these costs and charges be included in costs and expenses and, accordingly, used to determine operating income and earnings per share. PTC's management uses non-GAAP operating costs and operating margin and associated non-GAAP net income (which is the basis for non-GAAP earnings per share) to make operational and investment decisions, and PTC believes that they are among several useful measures for an enhanced understanding of our operating results for a number of reasons.

First, although PTC undertakes analyses to ensure that its stock-based compensation grants are in line with peer companies and do not unduly dilute shareholders, PTC allocates these grants and measures them at the corporate level. Management excludes their financial statement effect when planning or measuring the periodic financial performance of PTC's functional organizations since they are unrelated to our core operating metrics. Likewise, we believe that excluding amortization of intangible assets associated with acquisitions provides investors with information that helps to compare period-over-period operating performance by highlighting the effect of acquisitions on our results of operations. In addition, PTC's management excludes the financial statement effect of these items in creating operating budgets for PTC's functional business units and in evaluating and compensating employees due to the fact that it is difficult to forecast these expenses. Lastly, we believe that providing non-GAAP earnings per share affords investors a view of earnings that may be more easily compared to peer companies and enables investors to consider PTC's earnings on both a GAAP and non-GAAP basis in periods when PTC is engaged in acquisition activities or undertaking non-recurring activities.

PTC believes these non-GAAP measures aid investors' overall understanding of PTC's results by providing a higher degree of transparency for certain expenses, and providing a level of disclosure that helps investors understand how PTC plans and measures its own business. However, non-GAAP net income should be construed neither as an alternative to GAAP net income or earnings per share, as an indicator of our operating performance nor as a substitute for cash flow from operations as a measure of liquidity because the items excluded from the non-GAAP measures often have a material impact on

PTC's results of operations. Therefore, management uses, and investors should use, non-GAAP measures in conjunction with our reported GAAP results.

Earnings Call Webcast

PTC will provide detailed financial information and an outlook update on its fourth quarter and fiscal year 2007 results conference call and live webcast on October 31, 2007 at 10 a.m. ET. This earnings press release and accompanying financial and operating statistics will be accessible prior to the conference call and webcast on PTC's web site at <http://www.ptc.com/for/investors.htm>. A replay of the call will be available until 5:00 p.m. ET on November 5, 2007. To access the replay via webcast, please visit <http://www.ptc.com/for/investors.htm>. To access the replay by phone, please dial 203-369-3752.

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Implementation Investments

aspenONE Advanced Process Control for Polymers Solution Delivers Major Performance Improvements at PetroChina Polyethylene Plant

30 October 2007

[Aspen Technology, Inc.](#) announced that PetroChina has achieved significant financial and operational benefits from implementing AspenTech's aspenONE Advanced Process Control for Polymers solution on its Mitsui high density polyethylene (HDPE) unit in Daqing, China. The solution has delivered annual savings of \$640,000 — equivalent to \$8 per tonne — through increased yield and reduced usage of key reactor consumables. These savings, combined with a 28 percent decrease in off-specification material produced during grade transitions, have provided PetroChina with a rapid return-on-investment.

“We are delighted with the performance improvements achieved using the aspenONE advanced process control solution,” said Mr. Cao Jingliang, Chief Engineer of the PetroChina Daqing polyolefin plants. “AspenTech's unique control technology coupled with the domain expertise of its polymers specialists were key contributors to the success of this project. Being able to automate even the most complex of transition strategies, such as a reactor configuration change, is a significant breakthrough and has enhanced our competitive position.”

The aspenONE solution formed the basis of a comprehensive optimization strategy on the 80kt/yr HDPE unit. PetroChina's project objectives were to maximize production yield and production rate, stabilize the reactor operation, reduce catalyst consumption, minimize venting and reduce the amount of off-specification product manufactured during product grade transitions. A key requirement was to automate and optimize the challenging product transitions which are typical of the Mitsui HPDE process.

The solution was implemented by advanced process control consultants from AspenTech's Professional Services group. Following completion of the project, PetroChina Daqing has realized significant performance benefits including successfully optimizing transitions involving a parallel-to-series reactor configuration change. The measured benefits include:

- Increased production capacity by 2.9 percent
- Reduced transition off-specification material by 28 percent
- Reduced catalyst consumption by 6 percent

- Reduced hydrogen consumption by 22 percent
- Reduced ethylene loss by 3kg/tPE

“China is now a major producer and consumer of polyolefins, and PetroChina is investing in innovative technology to maintain its position as a leading player in this highly competitive marketplace,” said Blair Wheeler, Senior Vice President at AspenTech. “With its unique ability to optimize even the most complex product transitions, the aspenONE Advanced Process Control for Polymers solution is delivering significant operational benefits and a fast return on investment for a rapidly growing number of polymer producers worldwide.”

[PetroChina](#) deployed AspenTech’s aspenONE for Polymers advanced process control suite which includes a full nonlinear model predictive controller, comprehensive recipe management and full process sequencing capability. The controller remains on-line at all times, delivering fully automated and optimized product transitions.

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BMW Sauber F1 Team Races to the Front After Increased Emphasis on CFD

1 November 2007

[ANSYS, Inc.](#) announced that ANSYS engineering simulation software assisted the BMW Sauber F1 Team, who has more than double last year's points total in the 2007 Constructors' Championship.

Prior to the season, the BMW Sauber F1 Team signed an extended agreement with Fluent Deutschland, a subsidiary of ANSYS, Inc., to use FLUENT® computational fluid dynamics (CFD) software to run powerful engineering simulations on its new supercomputer -- one of the largest in Europe -- rather than invest in a second wind tunnel. This investment in CFD has allowed the team to run increasingly complex simulations of race car aerodynamics, far quicker than was previously possible. This has enabled the BMW Sauber F1 Team to analyze and implement design changes more quickly, which combined with other advances the team has made, has delivered the team's best performance in the Constructors' Championship to date.

"The launch of our latest supercomputer was a decisive reinforcement of our CFD capacity. Unlike other teams, we didn't plan to build a second wind tunnel. Instead, we have used the key relationship commitment with ANSYS to continue to develop and exploit the expanding potential for CFD that high-performance computing gives us," explained Mario Theissen, BMW Motorsport Director. He added that wind tunnel testing will continue as an important design element of their F1 racing car design because of validation of results and other areas of car development.

"The big difference with CFD compared to wind tunnels is that you not only get results, but also get an understanding of what goes on. Wind tunnel testing remains important with experimental work and CFD complementing each other," Theissen said.

To optimize the performance of the FLUENT CFD software, the BMW Sauber F1 Team invested in a custom-built supercomputer called "Albert2," the successor to its original Albert supercomputer developed in 2004. Powered by 512 Intel® Xeon® 5160 dual core processors, Albert(2) is 5.5 times more powerful and three times faster than the first Albert computer. Albert2 was specifically designed and built to run CFD simulations using the latest version of FLUENT software. It has the capacity to make 12,288,000,000,000 calculations per second, which highlights the staggering pace of advance in the potential power available to perform CFD simulations. Theoretically, the BMW Sauber F1 Team

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could run simulations approaching and even exceeding the landmark figure of 1 billion cells. When FLUENT became the first CFD software tool to be used in F1 -- by the Benetton team of 1992 -- simulations of only 100,000 cells were possible, such as the analysis of a front wing. The possibility of FLUENT meshes of 1 billion cells or more demonstrates how the continued partnership between the BMW Sauber F1 Team and ANSYS is proving critical to driving CFD development and making the technology ever-more important in the design process.

"Working together with the BMW Sauber F1 Team, we are exploring how maximum benefit can be yielded in aerodynamic design," said Ferit Boysan, vice president and general manager at ANSYS, Inc. "Relationships such as this are genuinely pioneering the engineering simulation possibilities of the future, and they could well have implications far beyond F1 racing. We are working at the leading edge of the technology, with the exciting thing being that we don't even know what the limits are yet."

Computer-aided engineering and CFD simulations can be applied to many areas of the racing car, allowing team engineers to quickly and accurately test a number of design candidates before developing only the most promising for wind tunnel testing. The new compute power offered by the Albert2 supercomputer allows full-car simulations in addition to the aerodynamic testing of components such as the front and rear wings, turning vanes, brake ducts, fuel tanks and more.

About the BMW Sauber F1 Team

The BMW Sauber F1 Team is a Formula One racing team with bases in Munich, Germany and Hinwil, Switzerland. The team came into existence on January 1st 2006 following the purchase of a majority share of the existing Sauber Formula One team by German car manufacturer BMW. For its first season in 2006, the team scored two podium finishes and placed fifth in the Constructors' Championship. The BMW Sauber F1 Team continues to use the facilities in Hinwil, mostly for chassis construction and improving aerodynamics, while BMW's headquarters in Munich is responsible for designing and building the entire powertrain and electronics. The BMW Sauber F1 Team has been using the FLUENT software tool from ANSYS, Inc. for its racing car design and development since 2001.

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Catalog Data Solutions Adopted by Rino Mechanical Components

30 October 2007

Catalog Data Solutions ([CDS](#)) announced that [Rino Mechanical Components Inc.](#) has adopted its CAD model download solution.

Rino Mechanical Components is a Freeport, New York based manufacturer and distributor, established in 1996. Responding to customer requests for CAD models of its products, Rino Mechanical Components decided to offer 3D CAD models for download from its web site. "We frequently got requests from customers for CAD models" said Dennis Berg, CEO, Rino Mechanical Components. "By adding 2D/3D CAD drawings on our website, we are meeting that need and are seeing an increase in the traffic to our website and our resulting sales."

"We are delighted to have been selected by Rino Mechanical Components 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

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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”.

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CoCreate Software Receives Multi-Year Contract From HP

30 October 2007

CoCreate Software, Inc. announced that Hewlett-Packard has signed a 2-year contract continuation for worldwide support and access to the latest releases of CoCreate's 3D product development and lifecycle management software.

HP uses the CoCreate OneSpace Suite to support global product development and lifecycle management processes.

The Dynamic Modeling based approach of CoCreate's 3D CAD software brings speed, flexibility and responsiveness to change to 3D product development. The suite includes CoCreate OneSpace Modeling, CoCreate OneSpace Model Manager and various add-on modules that extend 3D product development with virtual prototyping, simulation and other specialized design capabilities.

CoCreate's 3rd generation approach to PLM helps companies best leverage existing IT investments to create an interconnected and flexible business process across product planning, product development, and the transitions to manufacturing.

Experience CoCreate's 'dynamic difference' today. CoCreate OneSpace Modeling Personal Edition is a free download offering users the power of CoCreate's enterprise 3D CAD software for assemblies up to 60 unique parts. Downloads are available from <http://www.cocreate.com/free>

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Leading Maintenance Repair and Overhaul Center in Russia has chosen IFS Applications

29 October 2007

[IFS](#) announced that VARZ-400 has chosen IFS Applications to manage its critical business processes.

VARZ-400 Maintenance Repair & Overhaul Center is a part of Vnukovo International Airport holding company. It has Russian and International certificates for aircraft repair and maintenance as well as aircraft engines, systems, assemblies and parts. It also provides rework and upgrading services along with project engineering.

"The company leaders don't underestimate the significance of IT for critical business process control," VARZ-400 General Director Alexey Chernyshov said. "Management based on reliable data about company assets and liabilities gives incontestable competitive advantages. We have extra requirements from our IT systems, which must let us monitor the airworthiness of aircraft, assemblies and engines while they are serviced at our center."

The company's senior management studied and analyzed different IT solutions, including IFS Applications, SAP R/3, IBM MRO Software and the Russian-made systems Ikar and InfoSoft.

"The major criteria of selection included wide functionality, easy implementation and good experience in the aviation sphere," VARZ-400 CIO Igor Saenko said. "IFS Applications presented convincingly on every important issue. We were impressed by IFS' experience in the industry. World leading aircraft and

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defense manufacturers have chosen IFS Applications. According to international analysts IFS is a leading supplier of enterprise applications for the aerospace industry. VARZ-400 is the largest facility of its type in Russia, with more than 65 years of history. Complex enterprise applications are a powerful tool for efficient and strategic management -- allowing us to achieve new level business targets."

Commenting on the contract signing Leonid Viktorov, IFS Russia & CIS General Director, underlines that aerospace and defense is one of IFS' targeted market segments.

"IFS has an International Aerospace & Defense Industry Team consisting of consultants with considerable experience in the aviation industry," Viktorov said. "An Aerospace and Defense Advisory Council was established in order to satisfy strict modern requirements. The Council members are senior specialists from IFS' civil aviation customers, independent experts and IFS representatives. IFS Russia & CIS has a Civil Aviation Team working in cooperation with the International A&D Team."

IFS customers include the US, British and Norwegian defense organizations. Commercial MRO shops and operators include Finnair, Bristow Helicopters, Aero-Dienst GmbH, Hawker Pacific and Jet Turbine Services. In addition, IFS provides solutions to original equipment manufacturers (OEMs) in the global defense industry such as General Dynamics, Lockheed Martin, the Eurofighter consortium, BAE Systems, Saab and GE Transportation.

About VARZ-400

The Vnukovo Maintenance Repair & Overhaul Center No. 400 is the largest facility of its type in Russia. It is the part of Vnukovo International Airport holding company. It was set up in 1941. There are 2000 employees today. VARZ-400 has a number of International certificates.

Its industrial base and potential is further augmented by the highly qualified workforce which allows VARZ-400 to regularly increase workloads and expand the range of work and services offered on aircraft repairs and maintenance as well as aircraft engines, systems, assemblies and parts. The company also offers rework and upgrading of aircraft, systems and components to ensure their conformity with the ICAO airworthiness standards currently in force.

VARZ-400 customers are more than 50 airlines from Russia, CIS countries, Eastern Europe and others.

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Mystic Management Systems, Inc. Deploys Its New Modules, ensurCAPA and ensurTMS, to Cerus Corporation of Concord, CA

31 October 2007

[Mystic Management Systems, Inc.](#) announced the deployment of ensurCAPA and ensurTMS to Cerus Corporation of Concord, CA.

Cerus Corporation is a company currently developing and commercializing novel proprietary products. Cerus Corporation is creating technologies that are intended to provide safer and more effective medical options to patients in areas with substantial unmet medical needs such as in immunotherapy and blood safety.

"A corporation that has the full spectrum of products from Mystic Management Systems, Inc. can have security in the knowledge that their documents are secure and controlled, their employees trained, and incidents can be corrected and/or prevented quickly," stated David Ahrens, Software Architect, "Especially a corporation that is highly regulated."

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The new modules ensurCAPA and ensurTMS are part of the ensur software portfolio of products and services of Mystic Management Systems, Inc.

Please contact Mystic Management Systems for further information on how the ensur software portfolio can help your company meet its regulatory requirements.

About Mystic Management Systems, Inc. Mystic Management Systems, Inc. is a leading provider of quality software solutions, including document control, product lifecycle management, specification management and corrective and preventative action.

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Noran Engineering Selected by Empirical Systems Aerospace as Nastran Solution Provider

30 October 2007

Noran Engineering, Inc. ([NEi](#)) announced that Empirical Systems Aerospace ([ESAero](#)) of Oceano, CA will utilize FEMAP, NEi Nastran, and NEiWorks to perform advanced finite element analysis (FEA) and simulation in its project work on military, commercial and private aircraft. ESAero provides analysis, prototyping, testing, and large scale model services for systems ranging from conceptual aerospace designs to aircraft requiring supplemental type certification. Some notable clients of ESAero would include Boeing Phantomworks, NASA, and Southwest Aero Group. Utilizing FEMAP, NEi Nastran, and NEiWorks will allow ESAero to iterate designs and structurally analyze aerospace components and configurations through integration of their existing Solidworks CAD package.

“We look forward to beginning our partnership with Noran Engineering”, says Andrew Gibson, Principal Partner and V.P. of Business Development at ESAero. Noran Engineering’s aggressive development, training, and support of NEi Nastran, FEMAP, and NEiWorks software are simply ahead of the rest which, in turn, will allow us to offer cutting edge solutions with the best results for our customers.” Craig Preston, Pacific Region Sales Manager for NEi commented on the relationship, “We are excited to partner with an innovative and progressive company such as ESAero. Their knowledge, experience, and dedication in providing cutting-edge system design, development, and testing solutions for the aerospace industry is synergistic with the core principles on which NEi Nastran was developed.”

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Optima Group Roll-Out E³.series Globally for Electrical and Pneumatics Product Development

31 October 2007

Specialist packaging machinery manufacturer, the Optima Group, recently chose the E³.series software to globally integrate their complete design operations for electrical and pneumatics product development. The beginning of this implementation has already begun in Germany and will soon be rolled out to subsidiaries in the USA, Italy, France and Brazil.

The rapid growth of the Optima Group following recent company acquisitions resulted in a fragmented design environment with multiple departments using different software for the electrical and pneumatic design of their manufacturing, filling and packaging machinery. This was impairing the company’s overall productivity, quality and customer service. In 2005, Optima set out on a search to find a software environment that would meet the demands of their expanding business, increase productivity and service reliability, while cutting costs of product development and maintenance. They turned to the well-

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establish modular system for electro technical, wiring, wire harness, pneumatic and hydraulic engineering design, the E³.series.

“We needed a solution that would synchronize the entire process of electrical and pneumatics product development; specifically combining electrical connection, pneumatics, single-pole presentation and the structure of switchgear in a cabinet project for our machinery applications. We also needed this to work on a global scale and to have the flexibility to integrate with other environments, in particular SAP/R3, to allow us to directly control materials stock, parts lists and document administration,” said Gerhard Munz, electrical project team leader at the Optima Group.

The E³.series solution features multiple modules that perform specific specialized design functions. As these are all connected in one object-oriented structure using the same database, no data transfer is required between disciplines, i.e., between the electrical cabinet schematic layout and the pneumatic systems. The ease of use and familiar Windows-based set up of the E³.series also means that it can be used as more than just a design tool – design data can be adapted to create documentation for service maintenance and the manufacturing automation process.

Gerhard Munz comments on why the E³.series integration with SAP PLM was so important for the Optima Group: “This added functionality has really opened up new opportunities for us. We can now align our SAP/R3 operations automatically, which allows us to further optimize our product lifecycle management strategy. With the E³.series, we are able to overcome our historical structure and lifecycle management issues, and with the modular structured approach, we are confident that we will be well tooled to overcome future mechatronics technology challenges.”

To find out more about the E³.series visit <http://www.cim-team.de/e3> or <http://www.zuken.com/e3>.

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Siemens PLM Software Invests in Japan’s Manufacturing Future Through In-Kind Software Grants to Schools and Universities Valued at US\$725 Million

30 October 2007

[Siemens PLM Software](#) announced in-kind software grants with a commercial value of US\$725 million to top educational institutions and training centers in Japan to help produce a ready-made employment base for Japanese manufacturers.

Siemens PLM Software made the series of grants to 393 Japanese schools over the past 5 years. As a result of its investment and partnership with Japanese schools, 36,000 undergraduate and graduate college and university students now have direct access to Siemens PLM Software’s world-class PLM software.

“Education and training are critical factors in maintaining Japan’s economic leadership in the world,” said Dr. Tamotsu Murakami, professor, Design Engineering Laboratory, Department of Engineering Synthesis, the University of Tokyo. “We salute Siemens PLM Software for their work in the engineering and manufacturing fields and we know that the training our students receive is top notch. Students who receive educational training on 3D CAD systems have clear advantages. These students are given chances to be engaged in the real work and earn unsurpassed experiences during internship opportunities they may have prior to graduation and, in turn, receive advanced standing placement within companies as they begin their careers.”

Technologists and engineers at many leading companies already use the skills and knowledge they

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acquired through training on Siemens PLM Software's technology in their product innovation efforts.

"It requires some practice to get used to the CAD software at a company if it is different from what you have been trained on at school," said Hideki Miyamoto, Tokyo University graduate and now a member of a leading machinery manufacturer in Japan. "The ample experience I had using 3D CAD at the University of Tokyo proved beneficial when carrying out design work at my job."

"We recognize the need for a skilled workforce – it's a global need that we want to help manufacturers actively address," said Hans-Kurt Lübberstedt, senior vice president and managing director, Asia Pacific, Siemens PLM Software. "We are committed to our partnership with Japan's leading engineering schools to help develop world-class engineers and technologists. We're proud to be involved in their strong academic curricula and we're glad to see so many students experiencing success following graduation."

GO PLM Program

Siemens PLM Software offers grants through its Global Opportunities in Product Lifecycle Management (GO PLM™) initiative, which leads the PLM industry in the commercial value of in-kind grants it provides at more than US\$4 billion annually. The company's GO PLM initiative brings together five complementary programs focused on academic partnerships; community relations; regional productivity; youth and displaced worker development; and the Partners for the Advancement of Collaborative Engineering Education (PACE) program. The initiative provides PLM technology to more than 930,000 students annually at nearly 9,100 global institutions, where it is used at every academic level – from grade schools to graduate engineering research programs.

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Tacton Configurator Steps Up Order Streamlining Process for Hagen Treindustri

29 October 2007

Tacton Systems announced that Hagen Treindustri AS will combine Tacton Configurator with Microsoft's AX Business Management Solution to simplify and speed the order and sales process for their complex individually-ordered products.

Hagen Treindustri AS, based in Stryn, Norway, is a leading designer and producer of wooden staircases, supplying its products throughout Scandinavia and Northern Europe. The complex and individual nature of its staircase systems, which are practically unique to each application, meant that the company was keen to introduce a quotation and order system that gave accurate results, while reducing the normally lengthy ordering process.

The company had previously used a manual system for taking orders and providing quotations. The Tacton Configurator is part of a new web-based IT system for handling orders and is integrated with Microsoft's AX Business Management Solution.

Initially, this will provide sales personnel and their resellers with a tool for gathering input from the customer, and then quickly and accurately compiling a specific solution for that customer. Ultimately, the customer will be able to create their own specifications and orders by accessing the Configurator online.

The system is due to be launched in early November, 2007.

"The Configurator system makes it easy for customers to access information about our range, and

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specify a precisely-tailored product from us at any time. It also makes it easier for the company to handle information from the customer, and speeds the order completion process," says Victor Størdal, Project Manager at Hagen Treindustri.

"Hagen Treindustri is an excellent proof point and a further demonstration of the wide range of industries and businesses that can benefit from the efficiencies that Tacton Configurator brings to sales and order processing," says Christer Wallberg, CEO, Tacton Systems.

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Industry-Wide News

EDA Consortium Reports 11 Percent Industry Revenue Growth in Second Quarter 2007

31 October 2007

The EDA Consortium's Market Statistics Service (MSS) announced that the electronic design automation (EDA) industry revenue for Q2 of 2007 grew 11.4 percent to \$1,408.8 million, versus \$1,264.8 million in Q2 2006. The four-quarter average growth rate, which compares the most recent four quarters to the same four quarters in the prior year, was 14.6 percent.

"The EDA industry continues to see steady growth, maintaining the momentum that began this time last year," said Aart de Geus, chairman of the EDA Consortium and chairman and CEO of Synopsys, Inc. "North America, Europe and rest of world all saw sequential growth in Q2 2007."

Companies that were tracked employed 26,164 professionals in Q2 2007, up 7.4 percent from the 24,362 employed in Q2 2006.

"The industry grew at a healthy clip again this quarter; this is particularly true for EDA in which two of the three revenue categories enjoyed double-digit growth which is above the industry average," said Robert Gardner, executive director, EDA Consortium.

Revenue by Product Category

EDA's largest category, Computer-Aided Engineering (CAE), generated revenue of \$538.9 million in Q2 2007, 12.8 percent more than the same period in 2006. The four quarter moving average CAE

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growth rate was 11.8 percent.

IC Physical Design & Verification revenue increased 15.8 percent to \$397.2 million in Q2 2007, compared to the same quarter in 2006. The four quarter moving average growth rate was 14.9 percent for IC Physical Design & Verification.

Semiconductor Intellectual Property (SIP) revenue totaled \$269.2 million in Q2 2007, a 7.1 percent increase over Q2 2006. The four quarter moving average growth rate for SIP was 18.1 percent.

Services revenue was \$84.8 million in Q2 2007, up 11.1 percent from Q2 2006. The four quarter moving average growth rate was 9.5 percent for Services.

Printed Circuit Board and Multi-Chip Module (PCB & MCM) revenue increased 1.9 percent over Q2 2006 to \$118.7 million. The four quarter moving average growth rate for PCB & MCM was high at 22.3 percent.

Revenue by Consuming Region

North America, EDA's largest region, purchased \$679.2 million of EDA products and services in Q2 2007, a 13.2 percent increase over Q2 2006. The four quarter moving average growth rate was 19.9 percent for North America.

Western Europe revenue was up 7.9 percent in Q2 2007 with revenues of \$245.7 million compared to Q2 2006. The four quarter moving average growth for Western Europe was 8.7 percent.

2007 Q2 revenue from Japan declined 8.5 percent compared to Q2 2006 to \$244.8 million. The four quarter moving average decrease was 1.0 percent for Japan.

Rest-of-World (ROW) continued to extend previous years of revenue growth by increasing 41.2 percent to \$239.0 million in Q2 2007 compared to the same quarter in 2006. The four quarter moving average growth was also strong at 31.7 percent.

About the MSS Report

The EDA Consortium's Market Statistics Service reports EDA industry revenue data quarterly and is available by annual subscription. Both public and private companies contribute data to the report. Each quarterly report is published approximately three months after quarter close. MSS report data is segmented as follows: revenue type (product licenses and maintenance, services, and SIP), application (CAE, PCB/MCM Layout, and IC Physical Design and Verification), operating system (UNIX vs. Windows) and region (North America, Western Europe, Japan, and Rest of World), with many subcategories of detail provided. The report also tracks total employment of the reporting companies.

About the EDA Consortium

The EDA Consortium is the international association of companies that provide design tools and services that enable engineers to create the world's electronic products used for communications, computer, space technology, medical, automotive, industrial equipment, and consumer electronics markets among others. For more information about the EDA Consortium visit www.edac.org, or to subscribe to the Market Statistics Service call (408) 287-3322 or email mss@edac.org.

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Product News

Actify Increases Security for SpinFire Users

30 October 2007

[Actify Inc.](#) announced its partnership with [AirZip Inc.](#), a leading enterprise digital rights management and document security vendor. AirZip will provide Actify with extra security benefits making SpinFire the industry leader in protecting, controlling, and tracking digital design communications.

“Protecting a company’s knowledge is one of the principle drivers for companies in today’s global market place. While SpinFire has always had some degree of security available to customers, adding AirZip's technology provides increased document protection and control,” said David Opsahl, CEO of Actify Inc. “We believe both small and large enterprises will benefit from the added value that this product will bring, while maintaining the ease of use of SpinFire.”

AirZip’s FileSECURE product helps reduce damages and the costs associated with loss of sensitive information by providing customers with user-friendly encryption to protect, track and control all usage of protected documents. FileSECURE increases productivity by avoiding complex encryption keys for users and dynamic user permissions gives users piece of mind when exchanging documents internally, and externally to suppliers and customers.

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Ansoft Certifies the Automotive Industry Standard VHDL-AMS Models for Use with Simplorer Multi-Domain System Simulator

1 November 2007

[Ansoft](#) Corporation has certified the VHDL-AMS models available from the FAT-AK30 working group of the German Association of the Automotive Industry (Verband der Automobilindustrie - [VDA](#)) to run in [Simplorer](#)®, the company's widely used multi-domain system simulation software. The library is targeted for use by automotive OEMs and suppliers.

The German Association of the Automotive Industry consists partly of automobile manufactures and their development partners. The working group FAT-AK30 is organized within the German Association for Research in Automobile Technology (FAT) of the VDA. Speaker of the group is Ewald Hessel from Hella KGaA Hueck & Co. Lippstadt. The group provides its open-source VHDL-AMS model library to support the interchange of models between car manufacturers (OEMs) and their suppliers.

Ewald Hessel says, “The support of VHDL-AMS and its application by the EDA companies is well appreciated, and Ansoft’s Simplorer is one of the tools used by members of AK30 for verification and test of new models.”

Supporting the VDA/FAT-AK30 VHDL-AMS libraries along with the Simplorer VHDL-AMS SML (Simplorer Model Language) and C-Model libraries helps design teams reduce risk and enable first-pass system success in complex automotive system design, contributing significantly to the safety and success of the product design stage through virtual hands-on experience.

“Simplorer’s support of the VDA/FAT-AK30 VHDL-AMS models provides our users with access to standardized automotive component models that can be readily placed within a design,” said Dr. Marius Rosu, Ansoft’s manager of Simplorer modeling development. “This greatly simplifies the process of

simulation, allows it to be used far earlier in the development process and supports the seamless exchange of data between automotive suppliers and manufacturers.”

Simplorer customers can download the FAT-AK30 model library by going to <http://www.ansoft.com/simplorer/libraries.cfm> and clicking on the link "AK30 model library compiled for Simplorer." To learn more about the VDA FAT-AK30 working group, visit http://fat-ak30.eas.iis.fraunhofer.de/index_en.html.

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Bentley Announces Trial Program for Generative Design

2 November 2007

[Bentley Systems, Incorporated](#) announced its trial program for generative design in architecture and engineering. The program, which opens Nov. 16, 2007, will include a no-charge 90-day subscription to GenerativeComponents – Bentley’s generative design software – and a Web 2.0 community “space” for users to accelerate their learning and to share ideas about this new approach to design.

In generative design, architects and engineers describe design components and relationships using elegant, powerful algorithms. As the design progresses, a change to one component in the system automatically drives changes to other related components – updating the design. Using this approach on even the most complex designs, users can quickly explore a broad range of alternatives, speed their design iterations, and generate designs that are freer in form, more efficient, and more fit for purpose.

“In generative design, architects and engineers are achieving results and designs that were virtually unthinkable before,” said Buddy Cleveland, senior vice president, Bentley Applied Research. “They’ve upgraded from using computers to simply speed the drawing process to employing immense computational power to discover their ideal design.”

GenerativeComponents uniquely preserves and exploits the critical relationships between design intent and geometry. Users can, for instance, dynamically model and manipulate geometry, apply rules and capture relationships among geometric features, and define complex forms through concisely expressed algorithms. By virtue of GenerativeComponents’ extension of Bentley’s MicroStation environment, the resulting generative designs can flow through to detailed production and fabrication without information loss.

“Emerging from work with the forward-thinking SmartGeometry Group, Bentley’s generative design software was inspired by creative designers who were not content with the constraints imposed by the traditional CAD interface,” said Makai Smith, GenerativeComponents product manager.

“GenerativeComponents applied to their real-world projects was so compelling that we have decided to open this trial program to accelerate the learning curve for those architects and engineers so eager to raise the level of innovation in their work.”

The generative design virtual community site will be located at <http://www.be.org/gd>. It will deliver a set of GenerativeComponents-related resources from Bentley – including the software for download and on-demand learning – as well as an emerging community of blogs, wikis, forums, and a media center for sharing generative design project work. Practitioners will be able to meet equally inquisitive and industrious peers, share how-to’s and best practices, and learn about upcoming events such as SmartGeometry 2008.

GenerativeComponents has already been adopted by top architectural and engineering colleges and

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universities around the world, including Cornell University, University of Pennsylvania, and MIT in North America; the Bartlett School of Architecture at University College London, the University of Bath, and the Architectural Association in the United Kingdom; TU Delft and KTH Stockholm in Continental Europe; and RMIT University in Australia.

Designs that have been completed using GenerativeComponents include Dostyk Towers by NBBJ and E/Ye Design, Cutty Sark Pavilion by YOUMEHESHE, The Pinnacle by Kohn Pederson Fox, and Museo del Acero by Grimshaw Architects.

What Experts Are Saying

“KPF has been using GenerativeComponents for some time and it forms a key component in the armory of the KPF Computational Geometry Group. Several of our most advanced projects employ GenerativeComponents as a tool for exploring thousands of options as well as the complex geometry to be used in final construction, all ultimately benefiting our clients. The nature of GenerativeComponents as a MicroStation extension means that, as a matter of course, our advanced designs can be interchanged with an extraordinary variety of software.” – Lars Hesselgren, Kohn Pederson Fox

“At Arup, we believe firmly in the principle of integrated design and integrated approaches to design – it’s the only way to design complex buildings well. That’s why we use GenerativeComponents. And we are not alone. We are starting to see young people coming through the system doing things we could only have dreamed about a few years ago.” – J Parrish, Arup Sport

“Simplicity seeds complexity. But in the search for form we need to add reference to the representation to articulate the result. GenerativeComponents enables us to find, explore, and regulate forms more rapidly, and to transmit these forms to fabrication more economically.” – Hugh Whitehead, Foster + Partners

“Grimshaw’s offices all share a common DNA. We are a design-driven office, and all projects are informed by the specific location, program, and environmental forces. We employ GenerativeComponents to take in and embed the multitude of inputs and structure them using this common DNA, thus enabling us to rapidly explore a variety of environmentally appropriate solutions for each design project.” – Shane Burger, Grimshaw Architects

“Using GenerativeComponents, we can accelerate our iteration through design options and, in parallel, assess all concepts and dismiss those that would be uneconomic to construct. As a result, we get to spend more time fine-tuning the best solution.” – Volker Mueller, NBBJ

“Using GenerativeComponents to design the Cutty Sark Pavilion we were able to dynamically and fluidly alter our building design footprint to responsively accommodate an ever-changing plot plan while maintaining the most economic balance of material and structure. In fact, we only considered the design to be fixed when the construction was finished.” – Simon Beames, YOUMEHESHE

“Projects already completed using GenerativeComponents clearly illustrate tremendous creativity based on a highly developed sense of intuitive design, while being expressed with a clarity that comes from an equally developed sense of design logic.” – David Chadwick, CADUser

More on the Development of GenerativeComponents

GenerativeComponents was born of a research project led by Bentley Building’s director of research, Robert Aish, Ph.D., that attracted expert input from a network of elite adopters. Said Dr. Aish, “With Bentley’s GenerativeComponents, designers and engineers have a unique opportunity to shape the built

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environment by challenging conventional assumptions about the form, fabrication, and behavior of buildings.

“One aspect of this is the use of computational design tools that are not simply encoding current design practice. Rather, generative approaches pose creative and intellectual challenges in key areas of contemporary design: geometry, composition, and algorithms.”

As the software solidified, the research transitioned to commercial product development led by Bentley Software. The Bentley developers continued to collaborate with the network of early adopters, who coalesced into the independent SmartGeometry Group.

“It’s impossible to talk about the early development work on GenerativeComponents without first recognizing the tireless enthusiasm and visionary aspirations of Robert Aish,” said CEO Greg Bentley. “As he’s leaving Bentley Systems at this juncture, I want to personally thank Robert for helping me see the tremendous potential of generative design. We wish him well in his next research pursuits.”

Mr. Bentley continued, “But credit for this innovation must be shared with the SmartGeometry Group, whose members exemplify the world’s most forward-thinking designers. I thank the group for its diligent work with the Bentley team on this important development. Together, we intend to make GenerativeComponents part of the vocabulary of infrastructure professionals everywhere who want to move beyond CAD to discover their ideal design.”

The GenerativeComponents software for download and the generative design community site will be available to individual users at <http://www.be.org/gd>. After the trial period, practitioners will be able to upgrade to a one-year Discovery Subscription to GenerativeComponents for US\$250. MicroStation SELECT subscribers can immediately download GenerativeComponents from SELECT Services Online. For more information about GenerativeComponents, visit <http://www.bentley.com/gc>.

About the SmartGeometry Group

The SmartGeometry Group is firmly committed to the belief that computer-aided design lends itself to capturing the geometric relationships that form the foundation of architecture. The group is dedicated to educating the construction professions in the new skills required to effectively use advanced design systems such as GenerativeComponents. The directors of the SmartGeometry Group include Lars Hesselgren of Kohn Pederson Fox, Hugh Whitehead of Foster + Partners, and J Parrish of Arup Sport. For more information, go to <http://www.smartgeometry.org/>.

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Delcam’s FeatureCAM CAM System Certified by SolidWorks

29 October 2007

Delcam announced that its FeatureCAM range of feature-based CAM software has been awarded “Certified CAM Product” status by the SolidWorks Partner Program. This follows an extensive evaluation by SolidWorks Corporation, including user reviews to confirm that the combination of FeatureCAM and SolidWorks is already working successfully in a variety of industries.

Approval under the SolidWorks Certified CAM Products Program assures companies using SolidWorks for design that they can select FeatureCAM for their manufacturing with complete confidence that it offers best-in-class functionality and interoperability.

“Successful integration and interoperability between CAD and CAM are essential for our users to gain

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the maximum benefit from SolidWorks,” explained Chris Salmers, Partner Technical Marketing Manager at SolidWorks Corporation. “As a Certified CAM Product, FeatureCAM can read native SolidWorks geometry, which eliminates unnecessary data translation issues and so lowers costs.”

“We also expect our Certified CAM Products to offer world-class CAM functionality,” added Mr. Salmers. “The FeatureCAM range delivers powerful solutions and features the latest innovations in manufacturing software.”

Introduced in 1995, FeatureCAM was the world’s first Windows- and feature-based milling system. Since then, the product range has grown significantly to include turning, wire-EDM, mill-turn packages and feature recognition for imported CAD files. FeatureCAM became part of the Delcam group of companies in 2005.

The latest version of the software includes support for continuous five-axis machining, more efficient turning through better and easier control of stock remaining, and an improved tool database with more options to link pre-defined feeds and speeds to individual tools. FeatureCAM 2008 also features numerous smaller enhancements and speed-ups, plus new and updated post-processors, in particular for turn-mill equipment, including the Mazak Integrex, Daewoo Puma and Nakamura-Tome machines.

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FISHER/UNITECH and Seemage Form Strategic Partnership

31 October 2007

FISHER/UNITECH and Seemage announced a strategic business partnership. Seemage, which was recently acquired by Dassault Systèmes as part of its 3DVIA brand, is a desktop system for reusing SolidWorks models and other digital product data to rapidly produce product deliverables. With Seemage, service and maintenance, assembly and disassembly procedures, technical illustrations, marketing materials and more can be created by users simply and accurately. FISHER/UNITECH has been appointed as a value-added reseller and systems integrator for Seemage.

“The discrete manufacturing market needs to share part and assembly information across the enterprise,” said Charles Hess, president of FISHER/UNITECH. “The Seemage solution gives non-engineering staff the tools to create the product deliverables they require with no knowledge of a CAD system. We are anxious to bring the Seemage solution to the market because of the unique features and value proposition it delivers.”

Seemage offers an open XML-based architecture so design data associated with a part or assembly can easily be combined in Seemage with information from any other system. For example, users can easily import information like manufacturing bills-of-materials from ERP systems. No matter where the data originates, Seemage retains its associativity with the original information, providing value and savings by eliminating expensive last minute documentation changes.

Users across the business can create documentation such as marketing materials, training documentation, parts catalogs and assembly instructions even before design and engineering is complete, and then simply update their deliverables when needed. Seemage is proven technology that works in complex design and manufacturing environments. Companies like Volvo, Delphi, John Deere, Faurecia, Teradyne, Renault and Liebherr Aerospace have all experienced release-to-market and ROI improvements with Seemage.

Seemage integrates with SolidWorks enabling users to deploy Seemage as their content authoring

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solution for creating product deliverables. Designers can create Seemage files directly in SolidWorks, enabling productivity and data leveraging downstream.

While [Seemage](#) is integrated with SolidWorks, it works with all major native CAD formats including CATIA v4 and v5, Pro/ENGINEER, Parasolid, UG NX, ACIS, STEP, IGES and VDA/FS. The various sections of a model such as geometry, assembly structure and properties are stored with a high compression ratio resulting in small files for non-technical users to work with.

FISHER/UNITECH has appointed a 3DVIA product manager, Ken MacKool, who will host two Seemage webcasts on November 8 and December 4, 2007. To learn more or to register, visit [Seemage Webcast Event page](#).

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Geometric Releases DFM Pro for Manufacturability Analysis of Designs

29 October 2007

Geometric Limited announced DFM Pro. DFM Pro implements a set of critical DFM rules to check designs from a manufacturing perspective. DFM Pro is available for SolidWorks 2007 and 2008.

DFM Pro is a "Design For Manufacturing" product developed for designers to facilitate upstream manufacturability validation and identification of areas in design that are difficult, expensive, and impossible to manufacture. DFM Pro is engineered for quick and in-depth examination of product manufacturability. It includes advanced design rules for manufacturing processes like milling, drilling, turning and sheet-metal fabrication. It also contains rules to process manufacturing tolerances specified using SolidWorks® Intelligent Feature Technology (SWIFT™).

DFM Pro enables faster, cost-effective and optimized product development, as well as greater in depth examination of product manufacturability than was possible earlier using the most intensive iterative design processes. Tightly integrated with SolidWorks as an add-in, DFM Pro allows designers to perform complete design checks and analysis for manufacturability directly from within SolidWorks sessions.

"DFM Pro provides a sophisticated environment for designers to custom configure the default design rules for manufacturing processes," said Mike Coleman, CEO of Geometric's Desktop Products & Technologies Business Unit. "Providing simple, accurate and robust design analysis based on manufacturability rules, DFM Pro ultimately leads to better products by giving designers the confidence and capabilities to build superior models. Designers are free to innovate, secure in the knowledge that they won't pass potentially costly mistakes down to manufacturing."

Benefits of DFM Pro:

- Allows early prediction and prevention of production problems or manufacturing inefficiencies
- Assists the evolution of optimal design and product quality
- Facilitates automation of manufacturability review process
- Decreases lead-time by reducing backtracking and design iterations
- Provides scalable framework for manufacturability knowledge capture and reuse

DFM Pro can be customized by licensing DFM Enterprise. Customization of DFM Pro assists

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companies in automating in-house DFM guidelines and locking integrating followed best practices into their overall standard operating procedure to enable fully optimized workflows and optimal cost-effective product design processes. Customization can include :

- Programming new rules using existing analysis engines provided by DFM Pro or integrating other proprietary analysis engines
- Connecting with existing database or Product Data Management systems (PDM) in the organization to get required parameter information for existing or new rules
- Creating a custom user interface and configuration parameters for the rules

DFM Pro is an advanced version of DFMXpress, a free tool shipped with every seat of SolidWorks 2008.

For detailed product information, visit <http://dfm.geometricglobal.com/>

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Mentor Graphics and LeCroy Collaborate to Deliver High-Performance Verification Platform for USB Applications

1 November 2007

Mentor Graphics Corp. announced a collaboration with LeCroy to deliver a complete platform for Universal Serial Bus (USB)-based protocol applications. LeCroy is a leading provider of protocol analyzers and related test and measurement instruments for a wide-range of industries. The Mentor Graphics Veloce® family of hardware-assisted verification products and LeCroy's USB protocol testers provide an integrated, cost-effective and efficient solution to verify USB-based designs with dynamic and accurate verification of embedded systems.

“As a market leader in USB test equipment, LeCroy is committed to providing SoC designers with high-class tools to develop and verify their platforms,” said Michael Romm, director of product development at LeCroy. “Mentor’s Veloce family of advanced hardware-assisted verification solutions complements our USB test systems. One of our key customers, a world leader in consumer electronic and multimedia systems, can now perform rigorous testing of their latest applications on this integrated, high-performance verification platform.”

USB is a widely adopted standard for connecting a variety of consumer devices and PC peripherals, and delivers a fast, low-cost, and hot-pluggable serial interface to end users.

With USB, users have an instant connection to a huge number of devices, such as digital cameras, DVD recorders, games consoles, mobile phones, PDAs, storage devices, printers, and popular hand-held multimedia products.

[LeCroy](#) has focused on creating products that improve productivity by helping engineers resolve design issues faster and more effectively, and continues to deliver market-leading solutions for technologies such as USB. When used with Mentor’s proven Veloce hardware-assisted verification technologies, the LeCroy test equipment provides an effective verification environment to conduct thorough and accurate System-on-Chip (SoC) design with USB-protocol tests. The goal of both companies is to help bring complex SoC designs to market on schedule, without compromising verification accuracy. Mentor recognizes the vital need for high-performance hardware-assisted verification to achieve faster design migration from the software simulation environment. USB technologies, in particular, stretch the limits

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of design validation and interoperability test since it connects more than computers and peripherals.

“With over a billion devices in the world, USB has become the de-facto standard in connecting products that are part of our daily lives, from digital cameras, multimedia players, PDAs, and mobile phones, to a myriad of PC peripherals. We worked closely with LeCroy to implement this high-performance USB solution for our customers, extending the capability of our industry proven emulation platform,” said Sanjay Sawant, director of marketing, Mentor Emulation Division. “Our combined industry-leading technologies deliver reliable and easy-to-use system verification solutions to help our customers develop new and innovative products without compromising delivery schedules. We are delighted that LeCroy is working with us to implement this ground-breaking capability within our hardware-assisted solutions.”

Strategic Collaboration Enables Customer Success

This strategic, joint collaboration formulates a critical step for companies who are developing next-generation technologies and require test and verification of their complex SoC designs. Mentor and LeCroy plan to develop programs to help customers apply this integrated solution to their design verification environment, which will include support services. The combined solution is available for deployment effective immediately.

Key aspects of the collaboration include:

- Seamless connection between the Mentor hardware emulators and LeCroy analyzers and exercisers
- Test environment support for USB 2.0 protocol
- Emulates USB host, peripheral, and “On-the-Go” (OTG) modes of operation
- High-performance system-level verification of designs containing a USB interface, achieved prior to silicon
- USB protocol analysis, which reduces risk of errors in the SoC’s USB interface.

Pricing and Availability

For product information on the Veloce/LeCroy USB test solution, contact your Mentor Graphics sales representative, call 1-800-547-3000, or visit the website at <http://www.mentor.com/med>.

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New Kubotek Software Validates and Compares 3D CAD Models

1 November 2007

[Kubotek USA](#) introduced Kubotek Validation Tool™ which assures manufactures that two revisions of the same CAD model, which visually appear the same, truly are geometrically identical. This product performs a critical test for manufacturers who rely on the 3D model as the product specification. Adding this step to the process of sharing 3D CAD data can prevent costly errors resulting from unintentional edits or translation errors when a model is passed between engineering groups. The report generation capabilities of the software include simple pass-fail indicators, a tamper-proof validation certificate, and a detailed listing of any differences found.

The first set of tests using Kubotek Validation Tool engages Kubotek’s Face Logic™ technology to analyze the actual geometric data types found in solid models based on a specified tolerance. Additional

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tests compare mass properties results and count geometry and topology.

“Previous technologies applied to this model validation problem by others are not a good match for solid models coming from multiple CAD programs,” stated Jim Gordon, Kubotek Principal Engineer.

“Boolean differencing the models was one common technique we choose to avoid. Boolean operations applied to the whole model don’t provide reliable results with these data sets. The other major approach used in model congruence testing has been to measure point deviations, but that is slow and results are difficult to understand.”

Wayne Schafer, of Kawasaki Motors Mfg Corp in Lincoln, Nebraska, reviewed Kubotek Validation Tool with product designs sent from Japan in the CATIA 5 format. Shaffer said, “This tool found design changes in seconds that might have taken me hours. What’s more is that it found small but significant changes in visually obscured areas of the model that could have been easily missed.”

“This product release is one of several breakthroughs introduced to the MCAD market this year by Kubotek,” stated Robert Bean, Kubotek USA Executive Vice President. “Both the new Kubotek Validation Tool and the earlier Direct Dimension-driven Editing capabilities are based on Kubotek’s focus on innovating direct, non-history, 3D modeling technology.”

Robert Bean continues, “We’ve seen a lot of excitement about what this approach can do. In developing our new validation capabilities, we worked closely with engineers managing a large aerospace supply chain. Our customer was ‘blown away’ by the speed and results Kubotek Validation Tool can deliver.”

Peter McCutchen, Kubotek USA Vice President of Strategic Partnerships added, “Unexpected delays in process are commonly the largest factor in making manufacturing business profitable. Our Validation Tool is great at catching problems in 3D CAD data before they cause expensive delays downstream.”

“Because Kubotek Validation Tool can read models from all major MCAD programs the appeal of this product is going to be very broad. With this launch, Kubotek is reaching out to our existing sales channel base, and helping them to provide a non-CAD design related product to the marketplace. In addition, we are able to develop new sales channels that will help us deliver a 3D CAD validation solution to new opportunities and industries. We can do this at a price point that is feasible even to small manufacturers and suppliers.”

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Partnership with SpaceClaim Corp. to Empower Engineers That Dont Drive CAD

30 October 2007

[Blue Ridge Numerics](#) announced the company has joined in partnership with [SpaceClaim Corporation](#) for the extended product development team, to offer CFdesign for SpaceClaim Professional 2007. The joint solution empowers engineers to conduct design-driven flow and thermal trade-off studies without having to be CAD operators.

“Fluid flow and heat transfer are major considerations for many engineers involved in the product development process,” stated Blue Ridge president Ed Williams. “While many are quite comfortable addressing flow and thermal issues as part of the CAD operation, others view the creation and modification of 3D models as a barrier to using CFD upfront in the design process. We are optimistic this joint solution will enable the multi-discipline engineer with an intuitive 3D modeling and CFD solution for better decision-making and collaboration.”

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CFdesign for SpaceClaim Professional is ideal for project engineers, product managers, mechanical engineers, thermal engineers, and electronics engineers. Enhancing team collaboration and design reuse, models can be built or imported into SpaceClaim, optimized with CFdesign, then readily shared with designers working in Autodesk Inventor, CATIA, Pro/ENGINEER, SolidWorks, and UGS NX.

"SpaceClaim's goal is to make 3D accessible to more individuals involved in the product design process. Our partnership with CFdesign enables engineers to collaborate more effectively with the rest of the team," commented Mike Payne, CEO of SpaceClaim Corp. "To date, the process has required engineers to maintain proficiency across multiple applications or rely heavily on the CAD operator for help. SpaceClaim and CFdesign free the engineer and the CAD operator to be more efficient in their work."

CFdesign for SpaceClaim Professional 2007 will be available in November from Blue Ridge Numerics.

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PDXpert PLM 2008 Edition Introduces XML Data Export Options

30 October 2007

Active Sensing, Inc. (ASI) released PDXpert® PLM 2008 Edition product lifecycle management software, which has been enhanced to further meet the unique requirements of growing companies.

PDXpert 2008 implements the open PLMX™ (Product Lifecycle Management eXchange) file format for data export, which is optimized for exporting part data and bills of materials to downstream ERP systems. A PLMX data file combines XML-based product properties with related CAD and other product data files which are compressed ("zipped") into a simple and flexible package that can be exchanged with supply chain partners.

Using the built-in support for XML transformation ("XSLT") documents, PDXpert 2008 can now export ERP-compatible files directly from the PLM system without intermediate software translators. PLMX data can also be transformed into other commonly-used file formats such as Microsoft® Office Excel® XLS and CSV text. Customized reports can be added to PDXpert 2008 by combining PLMX data with XML-based Report Definition Language Client-side (RDLC) directives. ASI can meet customers' ERP import and reporting requirements through a new service to create specialized XSLTs and RDLCs.

The new PDXpert 2008 software also improves its already easy to use Google™-like search algorithm by indexing a richer set of part, document and change attributes. Overall application performance has been improved with faster item loading and a streamlined object data model. New features simplify application management through an improved "hands-off" self-installation; server-side workflow email settings; software updates using client-side auto-detection, download and installation; and Microsoft Vista™ compatibility.

ASI's product website, BuyPLM.com, continues to offer a simple alternative to the typical PLM software experience. BuyPLM.com provides immediate access to product literature; free, fully-functional evaluation software via download; helpful user guides and on-line training videos; attractive no-haggle pricing; and flexible perpetual- and subscription-based licensing alternatives. Questions are answered by a friendly, knowledgeable support team.

A complete single-user PDXpert 2008 system can be licensed for just US\$999, and volume discounts reduce licenses to as little as US\$499 per user; annual maintenance is optional. An all-inclusive subscription license costs as little as US\$25 per month, well below ASP-hosted PLM systems. PDXpert

2008 is available now at the <http://www.buyplm.com/> website.

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Siemens PLM Software Announces New Releases for its D-Cubed 3D Component Software Solutions

31 October 2007

Siemens PLM Software announced the immediate availability of new releases of four of its D-Cubed™ component software products. Version 37.0 of 3D Dimensional Constraint Manager (3D DCM), Assembly Engineering Manager (AEM), Collision Detection Manager (CDM) and Hidden Line Manager (HLM) contain new enhancements to improve function and performance.

Detailed descriptions of the enhancements are available online at:
http://www.ugs.com/en_us/products/open/d-cubed/latest_releases/.

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SpaceClaim Introduces Explore SpaceClaim Release Candidate Program

25 October 2007

SpaceClaim Corp. announced the immediate availability of the Explore SpaceClaim Release Candidate program. The program enables participants to download and use a pre-release version of the next SpaceClaim Professional edition. No purchase necessary. Participants in the program gain access to the Release Candidate including full data exchange capabilities, product training, and support services. In return participants are requested to provide feedback on their experience with the software and how they use it to solve real problems.

“This is an outreach program to the product development community. It is an opportunity for engineers, across all disciplines, to contribute their knowledge, experience, needs and preferences to enhance our software development process. This program gives us greater insight into the modification and CAD interoperability challenges that exist in the development process, which leads us to improve our software and solutions to address them. Additionally, we get immediate feedback on the upcoming release and how we are currently doing to meet that need,” said Howie Markson, Sr. Director, Marketing at SpaceClaim Corp. “A clear benefit to the participants is the opportunity to have first-hand experience using SpaceClaim with their own design models in their own environment and without obligation.”

The Explore SpaceClaim Release Candidate program includes the following:

- SpaceClaim Professional 2007+ Release Candidate software
- 3D Data Exchange Package (2007+)
- Access to On-line, Live Training Classes
- Access to Technical Support
- No purchase necessary

The software is available in multiple languages including English, Japanese, German, French, Korean, Italian and Traditional Chinese. The on-line help for this version is provided in English. The standard parts library, CATIA V5 and JT data exchange packages are not included. Also note that the final software release will include additional capabilities. The Release Candidate software expires on Nov 27,

2007.

To find out more about the program and how you can participate go to <http://www.spaceclaim.com/ExploreRC.aspx>

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Spicer ViewCafé® 4.1 Delivers Industry Standard Formats That Support Enterprise and Engineering Review Processes Across the Extended Organization

1 November 2007

Spicer Corporation announced the release of ViewCafé 4.1. Featuring view and markup support for industry standard engineering and office formats, Spicer ViewCafé 4.1 delivers enterprise-wide online review and real-time collaboration to support workflow applications within engineering, manufacturing, and utilities companies around the globe.

With ViewCafé 4.1 integrated into enterprise content applications, such as Engineering Change Order Management, Plant and Facility Management, and Case Management, workers across locations and departments - engineers, contractors and vendors, submission clerks, project and case managers - easily access, review, mark up, and disseminate engineering and enterprise content. Combining Spicer ViewCafé with automated business processes for information sharing, review, and collaboration results in linked workflows between departments and worksites, effectively managed projects with reduced expenditures, and enhanced service delivery.

"Spicer ViewCafé integrates scalable enterprise and engineering review and collaboration into new and legacy ECM and other corporate systems and significantly improves operational efficiency," comments Janice Ferguson, ViewCafé Product Manager. "Engineers, vendors, management, and non-technical employees improve their decision-making and productivity through streamlined content sharing; teams of users across multiple locations can review, mark up, and approve a wide range of electronic file types, from CAD drawings to business documents, which are typically used in their day-to-day workflows."

Spicer continues to support premiere engineering and enterprise workflow applications across vertical industries with its commitment to new engineering and office formats. New formats for ViewCafé 4.1 include:

- Solidworks 2005, 2006 and 2007
- Autodesk Inventor 10 and 11
- DWG 2007 and 2008
- MS Outlook MSG
- Digital Negative (preview only)
- JT 2.1 Model
- JBig2
- Pro/E Wildfire 3

Advanced Java™ 2 and 3D technology sets Spicer ViewCafé as the standard for thin client viewing and easy integration. Deploy ViewCafé's easy-to-use applet in a browser or as a Java bean application. The ViewCafé Server is available for Windows™ 2000, Windows 2003 Server, and Windows XP.

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To purchase or to obtain download details email <mailto:info@spicer.com> ViewCafé's flexible pricing model provides fixed, enterprise, and OEM licensing options.

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Stage-Gate Inc. Endorses CA Clarity for Managing New Product Development

29 October 2007

CA announced that Stage-Gate Inc has endorsed CA Clarity for customers seeking to optimize total returns on their new product development (NPD) investments.

Stage-Gate Inc. certified [CA Clarity for NPD](#) based on the sophistication of the solution for planning, resource allocation, scheduling, workflow, and reporting. These capabilities empower product development organizations to keep their NPD initiatives on track—so they can bring better products to market more quickly and at less cost.

CA Clarity for NPD underwent a rigorous evaluation process based on approximately 200 innovation-related criteria. Stage-Gate Ready certification assures potential buyers that CA Clarity for NPD provides the functionality necessary to successfully implement key Stage-Gate best practices—including Idea Management, Idea-to-Launch and Portfolio Management.

“I strongly recommend all would-be buyers to ask specifically for Stage-Gate Ready software, such as CA Clarity for NPD, even if your company does not deploy a traditional Stage-Gate process,” said Dr. Robert Cooper, president, Stage-Gate Inc. “We want to help organizations take advantage of innovation tools that help increase business performance, and believe that if we reduce the risks associated with these decisions, it’s a win-win for everyone.”

Dr. Cooper, a world-renown expert on innovation, is appearing in a three-part webinar series with CA that addresses new product development and innovation. More information about the webinar series is available online at <http://myclarity.com/ww/webinar-801.html>.

The Stage-Gate process is a conceptual and operational road map for moving a new-product project from idea to launch. It has empowered almost 80% of all North American companies to achieve improved returns on their product development dollars and is the world’s most widely implemented and trusted product innovation process.

The importance of a Stage-Gate process and sound project management is highlighted in the third annual Booz Allen Hamilton Global Innovation 1000 study recently announced (1):

“The one R&D tactic employed by every company we spoke to was an insistence on managing the innovation process from start to finish as tightly as possible. That included, in every case, a disciplined stage-by-stage approval process combined with regular measurement of every critical factor, from time and money spent in product development to the success of new products in the market. This, combined with a strong portfolio management program, has allowed these companies to understand better how their innovation engines promote their company’s long-term growth.” The study can be found online at <http://www.boozallen.com/publications/article/38906766?lpid=66005>.

For organizations that employ a traditional or internally developed Stage-Gate process, CA Clarity for NPD provides integrated idea management, product portfolio management, project, resource and financial management and process and workflow management that streamline and optimize the entire cross-functional idea-to-launch process.

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“In today’s highly competitive global markets, one of the best ways to improve bottom-line corporate performance is to ensure that R&D efforts are delivering maximum payoff,” said Carl Landers, vice president of marketing for CA Clarity PPM. “Working with Stage-Gate Inc. to certify CA Clarity for NPD means businesses can now take advantage of a leading PPM solution adapted specifically to support the needs of product development organizations.”

1. Booz Allen Hamilton, Inc., “The Customer Connection: The Global Innovation 1000”, to be published in *strategy+business*, Winter 2007 (<http://www.boozallen.com/>).

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Zuken and Aldec Deliver New Design Solution: CADSTAR FPGA

31 October 2007

As a result of the partnership between [Zuken](#) and [Aldec](#), a brand new collaborative product for complete FPGA design and verification has been launched. CADSTAR FPGA combines Aldec’s Active-HDL Lite verification tool and Zuken’s desktop PCB design suite, CADSTAR, allowing engineers to perform mixed language simulation for vendor neutral FPGAs within the CADSTAR environment.

Synchronized Design Process

The relationship between the FPGA and PCB design processes is a primary area where synchronization can deliver opportunities for increased efficiency in the design process. CADSTAR FPGA technology is structured on integration of FPGA design within the PCB layout. The concurrent and collaborative process that this tool provides is made simple using an intuitive easy-to-use Design Flow Manager. This eliminates manual movement and back-annotation requirements, reducing time to market while increasing output of right-first-time designs.

Multi-vendor Support

CADSTAR FPGA combines Aldec’s Active-HDL Lite design simulation environment and Zuken’s desktop PCB design suite, CADSTAR. Engineers can perform comprehensive FPGA designs with complete support for technology from multiple FPGA vendors including Actel, Altera, Lattice, Quicklogic and Xilinx. It also performs mixed VHDL and Verilog simulation, strictly adhering to the latest IEEE language standards.

Easy to Use

CADSTAR FPGA provides one universal project manager that controls all design files for simulation, synthesis, place and route and pin assignment to the PCB. This integrated solution supports robust I/O synchronization between the FPGA device and the PCB, helping to optimize the routing pattern for high-density devices like BGAs.

More information

Aldec will host a CADSTAR FPGA web cast on November 8 – register at: <http://www.aldec.com/avms/> This technical web-based methodology training will provide a comprehensive overview of the integration between CADSTAR and Active-HDL.

For more information: technical data sheets or evaluation software, please visit <http://www.cadstarworld.com/FPGA/> or contact your local CADSTAR distributor.

The beta version of CADSTAR FPGA will be available from November 5 starting from \$1000/€750 for

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a single language version.

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