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Company News

Accellera Announces New Unified Power Format Standard to Advance Low-Power Integrated Circuit Design

28 February 2007

Accellera announced that its members and Board of Directors have approved the Unified Power Format (UPF) 1.0 as an Accellera standard. The Accellera Board approval this week follows approval by Accellera's Technical Sub-Committee (TSC) last month.

The UPF standard is a convergence of proven technology donations from seven companies. EDA vendor contributions were derived from several years of successful use of their products on taped-out low-power designs. End-customers contributed their internally developed optimization and analysis technologies which deal with application-specific power issues, especially for wireless and hand-held devices. Strong collaborative participation by Accellera members and other dedicated companies resulted in an open standard that was developed in only 5 months.

When power consumption is a key consideration, describing low-power design intent with Accellera's UPF improves the way complex integrated circuits can be designed, verified and implemented. The open standard permits all EDA tool providers to implement advanced tool features that enable the design of modern low-power ICs. Starting at the Register Transfer Level (RTL) and progressing into the detailed levels of implementation and verification, UPF facilitates an interoperable, multi-vendor tool flow and ensures consistency throughout the design process.

"Our well-established processes and excellent technical resources have made it possible for Accellera to offer yet another standard to improve design productivity in record time," remarked Shrenik Mehta, chair of Accellera. "When leveraged in a design flow, our UPF standard will improve the efficiency and economics of how designers can optimize IC power requirements."

A UPF specification defines how to create a supply network to supply power to each design element, how the individual supply nets behave with respect to one another, and how the logic functionality is extended to support dynamic power switching to these logic design elements. By controlling the operating voltages of each supply net and whether the supply nets (and their connected design elements) are turned on or off, the supply network only provides power at the level the functional areas of the chip need to complete the computational task in a timely manner.

"The UPF technical subcommittee experienced unprecedented cooperation among EDA competitors and end-customers," said Stephen Bailey, UPF technical subcommittee chair. "Their diligent and focused efforts have resulted in a complete and comprehensive standard that offers a solid foundation for low power design and verification solutions."

UPF Availability

The Accellera UPF 1.0 standard specification is available now at no cost at <http://www.accellera.org>.

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Applied Forms New Simulation Solutions Group

22 February 2007

Applied has formed a new Simulation Solutions Group tasked with offering existing and new customers a range of virtual product and environment simulation and analysis solutions.

In forming this new focus group we hope to extend our support to customers in their drive to increase innovation and to improve and optimise their product engineering, manufacturing, assembly and infield support solutions and services through the use of innovative simulation and analysis technologies.

Services on offer will include a "proof of project" outsourced engineering capability aimed at allowing companies to experience innovative technologies before taking the step of purchasing and implementing in-house software tools and hardware systems.

Initially the solutions and services on offer will include:

Digital Mock-Up

Human simulation

Virtual reality visualization

Product simulation and analysis

Applied's software technologies will be drawn from both the Dassault Systemes portfolio and a number of key independent niche application software vendors and supported by both Applied's internal experts and a network of expert niche application specialists and partners.

For more information or to discuss your requirements call Teifion Lewis on 01332 813340 or enquire [on-line](#)

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Catalog Data Solutions Presents Free Configurator Whitepaper; "Next Generation CAD Configurators Save Time and Money"

27 February 2007

Catalog Data Solutions ([CDS](#)) announced the release of a new whitepaper entitled "Next Generation CAD Configurators Save Time and Money."

The whitepaper available at <http://www.catalogdatasolutions.com/> details 5 key trends in the manufactured products market that have converged to create a new opportunity for manufacturers and distributors to drive revenue growth, lower costs and increase customer loyalty. Increased online searching for products by design engineers, new configurator software innovations (like the patent-pending 'visual constraint feedbackTM' and integration with CAD download, pricing and stocking systems provide instantaneous price and shipping information) and lower costs are driving greater adoption and use by design engineers of configurators. The result is that by providing online configurators for your complex and multi-option products you:

- Increase sales by making it quicker and easier for customers to select your products rather than your competitors.'
- Attract customers and increase existing customer loyalty by reducing their time to market and, incidentally, speeding up their purchases of your products.
- Free your engineer's time to focus on new product design instead of helping customers configure products.

In the case of Emerson Power Transmission, Marc Macaluso, eBusiness Manager said, "In a complex product, users usually don't know the constraints and they almost certainly don't know the interdependence of those constraints (i.e. if you select X you are giving up option Y in selection Z). The Visual Constraint FeedbackTM makes you aware of what effects any selection has on future choices. Substance is vital, but customer perception is even more important for successful adoption."

"We are delighted to publicly share this whitepaper on the 'state of the market' for Configurator solutions," said John Major, chief executive officer, Catalog Data Solutions. "Online Configurator are an

important sales and marketing tool for all industrial suppliers and distributors with configurable or made-to-order products. With many customers moving from 2D to 3D CAD systems, it is also important to couple online Configurators and online 3D CAD model downloads to 'lock' products into a design so suppliers later benefit from the sales success of that design. Suppliers of configurable and made-to-order products without Configurators and 3D models on their website are at risk of losing customers to their competition who do offer them."

Catalog Data Solutions enables industrial manufacturers, suppliers, and distributors to have their products selected at the design stage by the design decision maker, ahead of the traditional buying stage. Studies show that more than 80% of the time what the engineer spec'd in stays in. With over 90% of designers and engineers now using the Internet to locate and select components for their new designs, Catalog Data Solutions unique domain expertise creates low cost sales B2B sales lead generation and gets components 'locked and loaded' at the design stage.

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Jeremy Burton Named President and Chief Executive Officer of Serena Software

27 February 2007

[Serena Software, Inc.](#) announced the appointment of Jeremy Burton as president and chief executive officer.

Michael Capellas, who served as acting president and CEO, will resign his position and resume his role as senior advisor for Silver Lake Partners.

Mr. Burton, 39, was most recently group president, enterprise security and data management for Symantec Corporation where he managed product strategy and product engineering. He joined Symantec through the acquisition of VERITAS where he spent three years in leadership roles, including executive vice president for data management and chief marketing officer.

Prior to Symantec, Mr. Burton spent nine years at Oracle Corporation in a variety of marketing, engineering, and product management roles. He started his Oracle career as a post-sales support engineer and rose to the level of senior vice president of products and services marketing. He also founded Oracle's developer program, the Oracle Technology Network, which today has millions of active members.

Mr. Burton graduated from the University of Surrey in Guildford, England with a degree in information systems engineering. He currently serves on the board of Inquire Inc., a provider of integrated software applications for intelligent search, knowledge management, analytics, and user experience.

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Lectra Names Paula Levy Vice President of Fashion Sales

2 March 2007

[Lectra](#) has named Paula Levy as the Vice President of Sales for Fashion for Lectra Americas. Based in New York City, Levy will be responsible for expanding Lectra's footprint in the fashion sector.

Levy brings more than 20 years experience in the enterprise software industry to Lectra, and has held leadership roles with various companies in the retail, healthcare, manufacturing, and consumer product business sectors. Most recently, Levy was the Senior Director of Sales and Marketing for Retailigent Solutions, Inc. Previously she had held senior positions at CRS Retail Systems, Velocity Outsourcing, US internetworking, and Lawson Software, among others.

"Paula has extensive enterprise software sales experience combined with expertise in marketing, business development and alliances," said David Rode, President of Lectra Americas. "She has a proven track record of creating strategic vision and executing programs that increase revenue and market share. We are confident that Paula will play a major role in growing our PLM business."

Levy earned a degree in Psychology and Business from the State University of New York at Oswego.

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Microsoft Announces Call for Entries for the 2007 Pharmaceutical and Life Sciences Innovation Awards

1 March 2007

Microsoft Corp. announced a call for entries for the 2007 Microsoft® Pharmaceutical and Life Sciences Innovation Awards, recognizing breakthroughs in the use of technology in four award categories.

Awarded annually, this year's competition will recognize the positive impact that new and innovative technologies are delivering in the areas of discovery and product innovation, sales and marketing, manufacturing and supply chain, and clinical development. Pharmaceutical and life sciences corporations worldwide are eligible, including those in biotechnology, diagnostics, medical equipment, animal health, nutritional products and consumer health products.

An award will be presented in each category to eligible pharmaceutical or life sciences corporations that best demonstrate leadership in improving business operations through deployment of Microsoft technologies. Implementations for consideration must include the use of BizTalk® Server, the Microsoft Office system, Microsoft SQL Server™ 2005, Tablet PCs or other Microsoft technology.

Each of the following four categories focuses on an important aspect of the pharmaceutical or life sciences industry:

Discovery and Product Innovation

This award recognizes technological innovation that enhances a pharmaceutical or life sciences corporation's ability to quickly deliver safer and more efficacious products to the market by reducing complexity, lowering cost, and enhancing the speed and quality of the discovery process.

Sales and Marketing

This award recognizes technological innovation that enhances a pharmaceutical or life sciences corporation's ability to inform and educate physicians and healthcare professionals, consumers, and even insurance and benefits plan providers about the benefits, value and safety of the pharmaceutical and healthcare offerings produced.

Manufacturing and Supply Chain

This award recognizes the use of innovative technology to improve a pharmaceutical or life sciences corporation's ability to expedite delivery of products to consumers by reducing complexity and costs, improving productivity, and enhancing product life-cycle management, compliance, safety, quality and speed to use through advancements in manufacturing and supply chain.

Clinical Development

The winner in this category will be the pharmaceutical or life sciences company demonstrating innovative use of Microsoft technologies in drug development, biotechnology, medical and diagnostic devices, or animal health and consumer health products resulting in the company's ability to improve time to market as well as quality during the process of conducting clinical trials, analysis and submission.

Awards Schedule

Entries must be submitted by 5 p.m. PDT Tuesday, May 1, 2007. Winners will be announced before the end of June 2007. An entry kit and full details are available on the Microsoft Life Sciences Web site at <http://www.microsoft.com/lifesciences> under the "Resources" section. To enter, participants should download the entry form and e-mail their completed applications to LSIA2007@microsoft.com. More information about the awards is also available by contacting Monika Skibenness at (425) 870-4880.

About Microsoft in Healthcare and Life Sciences

Microsoft provides standards-based products and technology to help the healthcare and life sciences industries break down information barriers between the disparate IT environments across pharmaceutical, biotechnology and medical device companies, physicians and healthcare professionals, provider organizations, government and private-sector employers, health insurers, and consumers. More information about Microsoft in Healthcare and Life Sciences can be found at <http://www.microsoft.com/healthcare>.

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Synergis Engineering Design Solutions Professionals Attain Higher Levels of Autodesk Revit and Autodesk Inventor Expertise

28 February 2007

Strengthening the company's wealth of expertise, [Synergis® Technologies](#) Engineering Design Solutions Division announced that two of its technical professionals, Peter Gehring and Bob Reid, passed rigorous certification exams for Autodesk Revit and Autodesk Inventor software. Peter Gehring, Building & Infrastructure Solutions Director, is now an Autodesk Revit Implementation Certified Expert and Bob Reid, a Design Applications Engineer who joined the company only five months ago, achieved Autodesk Inventor Certified User status - a prerequisite to attaining the "Certified Expert" status. Both men successfully completed the certification courses and exams and will add this accomplishment to their years of industry experience.

"This certification demonstrates our ongoing commitment to providing quality resources to our customers," said David Sharp, President and Chief Executive Officer of Synergis Technologies. "As such, customers can rely on our Synergis Engineering Design Solutions Division for expert assessment, implementation and training to succeed with Autodesk Revit for building information modeling and Autodesk Inventor for 3D design and documentation."

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Technia Recruits to Meet Client's Needs and Continues to Expand With New a Office in Sweden and Internationally Placed Consultants

22 February 2007

Technia continues to expand with a new office in Sweden and internationally placed consultants. Technia also grew with 30 people last year and are planning to recruit another 30 people during 2007.

Technia recruits to meet client's needs

The PLM-industry is facing a whole set of new trends in 2007 one of them being that an increasing number of companies are requesting comprehensive PLM-solutions that also cover services such as support and maintenance.

In 2006 Technia grew with 30 people, bringing in a wide range of people, from system engineers to java developers, tailored to the customers' needs. The demand has continued to grow and going into 2007 Technia has increased focus on recruiting the right people to meet the customers' needs. Following the demand in new services Technia plans to recruit another 30 people in 2007.

More and more customers request a total solution where the supplier can contribute and offer assistance from the initial idea to final implementation and support. Our aim is to be the total PLM-supplier in the Nordics to whom companies can turn to for an entire PLM solution. As a part of that offer, nothing is

more important than working with the right people, bringing our customers the best possible competence and assistance, says Bo Löwstedt, Director Employee Success at Technia.

Technia also continues to expand with a new office in Sweden and internationally placed consultants

Technia opens up an office in Malmö to better serve the PLM market in Southern Sweden. Additionally, Technia now also has people onsite in the U.S. and Austria with the objective to establish formal offices in the future.

“ We need to be locally placed where our customers are. We have for the last 8 years deployed PLM systems to more than 36 countries. Now we are taking the next step in our expansion by building a more international presence. Jan Thunqvist has been appointed Director International PLM Business and will lead Technia’s international expansion”, says Staffan Hanstorp, CEO and President, Technia AB.

I will primarily focus on support for larger enterprises with global presence – we will be able to serve these enterprises when they want to expand and/or develop their PLM solutions at sites all over the world, says Jan Thunqvist, Director International PLM Business, Technia AB.

Continued increase in earnings

Technia is part of the Industrial business area in the AddNode Group, which is listed on the Stockholm Stock Exchange. The net turnover for the business area Industrial grew by 163% in 2006 (420 MSEK) compared to 2005 (160 MSEK).

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UGS Celebrates Record Numbers of Patents Granted in 2006

26 February 2007

[UGS Corp.](#) announced the awarding of a record number of software patents to UGS from the United States Patent and Trademark Office during 2006 in segments of the PLM industry ranging from computer-aided-design (CAD) to collaborative Product Data Management (cPDM).

UGS’ patents issued in 2006 included:

- U.S. Patent Number 7,146,594 for a System, Method and Computer Program Product for Schematic Generation;
- U.S. Patent Number 7,106,331 for determining a Bi-Directional Propagation in a Curve Network;

CIMdata PLM Industry Summary

- U.S. Patent Number 7,098,918 for a System and Method for Shape Preservation of Curves in an Editing Process;
- U.S. Patent Number 7,065,478 for a Computer-Aided Progressive Die Design System and Method;
- U.S. Patent Number 7,028,051 for a Method of Real-Time Business Collaboration; and
- U.S. Patent Number 7,027,048 for a Computerized Deformation Analyzer.

“Our patent program is designed to raise the bar in innovation and thus help enable companies to capitalize on their product lifecycle management investment,” said Chuck Grindstaff, executive vice president of Products, UGS. “Our mission of helping companies transform their process of innovation is supported by a commitment to advance our own innovation process through our patent program. The recognition and numerous awards we’ve received serve as proof points for our ongoing leadership in innovation. In 2006, UGS was included in the leaders quadrant of the Gartner Magic Quadrant and we were recognized by [CIMdata](#) as having the leading market presence in the Collaborative Product Development Management market segment, the most critical and fastest growing segment of the PLM industry.”

Customers and industry analysts have recognized UGS’ innovation through numerous awards and third party accolades for its software and services, including:

General Motors selected UGS as a 2005 Supplier of the Year for its overall business performance in enabling GM to transform its process of innovation by significantly reducing up-front vehicle development time.

Ford Motor Company honored UGS with the Ford Q1 Certification which designates UGS as a preferred supplier of engineering software products and services, and recognizes the company for achieving excellence in four critical areas: capable systems, continuous improvement, ongoing performance and customer satisfaction.

UGS’ NX™ 4 software was voted 2005 Product of the Year by the readers of *NASA Tech Briefs* and was ranked as the market leader in computer-aided manufacturing according to leading PLM industry analyst firm CIMdata.

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Events News

AIIM Conference & Expo Expands Conference Program’s Scope

26 February 2007

Questex Media Group, Inc. announced the new and expanded educational program taking place at AIIM Conference & Expo – the enterprise content and information management event, taking place April 16-19 at the Boston Convention & Exhibition Center.

The 2007 conference program has been expanded to 14 tracks, offering several new conference themes that address the needs of senior-level information management professionals. Tracks and themes covered include:

- Compliance & Risk Management
- Digital Rights Management
- Document and Records Management
- ECM Fundamentals
- Information Infrastructure
- Information Classification, Taxonomies & Metadata
- Managing Unstructured Data
- Organizational Management
- Product Selection and Implementation Best Practices
- Publishing Automation
- Search and Text Mining
- Web Content Management/Portals
- Web Services
- Workflow/Business Process Management

According to Tom Bliss, Group Conference Director – AIIM and ON DEMAND Conferences & Expos, Questex Media Group, “This year’s program is designed to show business and IT professionals how to manage enterprise content in a way that puts mission-critical information in front of the people who need it, when they need it. Here they’ll learn how to automate business processes and improve decision making by rethinking the way enterprise information is created, organized, accessed, analyzed and used.”

“The volume of content and information being created today far exceeds our ability to consume it. And for most organizations, that gap is growing quickly. The AIIM conference sessions will cover the breadth of information management issues and provide valuable solutions,” John Mancini, President, AIIM – The ECM Association.

For additional details on the conference tracks, go to <http://www.aiimexpo.com/aiimexpo2007/v42/index.cvn?ID=10011>.

Pre-conference workshops include:

- The ECM Practitioner Training Program session presented by AIIM -The ECM Association will focus on ECM components and technologies for managing information throughout its lifecycle.
- A half-day tutorial on ECM Product Selection presented by ECM guru Alan Pelz-Sharpe of CMS Watch.
- The Developing Enterprise Taxonomies: A Practical Guide, a half-day workshop presented by noted taxonomy expert, Theresa Regli of CMS Watch.

For additional information on the pre-conference sessions, go to: <http://www.aiimexpo.com/aiimexpo2007/v42/index.cvn?ID=10027>.

To register to attend, call 888-824-3004 or visit <http://www.aiimexpo.com>.

For information on exhibit and sponsorship opportunities, contact Leo Squatrito at lsquatrito@questex.com or 617-219-8378.

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Hankook Delcam to Confirm CAD/CAM Leadership at Intermold Korea 2007

28 February 2007

Delcam’s Korean joint venture, Hankook Delcam, will confirm its status as the largest supplier of CAD/CAM software to the country’s mouldmaking industry at the [Intermold Korea 2007](#) exhibition to be held in KINTEX, Ilsan from 21st to 25th March. Intermold Korea 2007 is expected to be more than 50% bigger than the 2005 exhibition, with a predicted 1,300 exhibitors making it the largest mouldmaking event in Asia.

On its stand, Hankook Delcam will demonstrate how Delcam’s software can help increase productivity, improve quality and reduce lead times for Korean companies. In particular, the company will show how it can help customers make the best use of new technical developments, such as high efficiency five-axis

machining of complex components like engine ports, impellers and blisks; automated, knowledge-based CAM systems; Rapid Product Development; 3D tool design and On-Machine Verification.

The latest developments for five-axis machining will be highlighted as many Korean companies are now investing in this equipment to increase their productivity. For example, leading mouldmaker Shin Young has reduced the average lead time to produce a mould from thirty days to eleven days with a combination of Delcam's CAD/CAM software and five-axis machine tools from Mikron. Recent enhancements to the company's PowerMILL CAM software include a wider range of five-axis machining strategies, improved point distribution within toolpaths to give smoother machining and better surface finish, and faster calculation times for larger components or tooling.

At Intermold, staff at Hankook Delcam will also be celebrating its award as Delcam's Sales Partner of the Year for 2006. The company, which also won the award for highest sales in 2004, remains the only Delcam reseller to generate more revenue from sales of software and maintenance than the company's UK subsidiary.

Hankook Delcam was established as a joint venture between Delcam and company President Chan Oong Jeong in 1986 to take advantage of the growing market for CAD/CAM in Korea. It was one of the first resellers formed by Delcam when the company started the international promotion of its software in the 1980s.

Like Delcam's other international resellers, Hankook Delcam has always placed a great emphasis on constant staff training, both to keep up with changes in the software and to ensure they are aware of developments in related technology. As a result, the company is now able to provide exceptional technical support from very experienced specialists in both design and manufacturing. Together with the strengths of the Delcam software, this high level of service has enabled the company to win more and more customers, including many of Korea's leading manufacturing companies and academic institutions.

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Join the Aras Community Network - One Day Event at Motorola University in Schaumburg, IL -- March 27, 2007

March 2007

Business and IT professionals from all over are coming to meet and learn from each other about Aras Innovator's Microsoft enterprise open source solutions and how to apply best practices to achieve business results.

- Hear leading companies discuss how they use Aras Innovator
- Learn about Aras Innovator first hand from Aras

- Plan collaborative development initiatives
- Network with other Innovators

Location: Motorola University -- Schaumburg, IL

Date: March 27, 2007 -- 1 Day Event

No Registration Fee: Free to Attend

[Register Now >> Click Here](#)

Session Topics

Presentations and breakout sessions will cover a wide variety of business and technology topics ranging from new product introduction and quality compliance to solution integrations and more.

- Learn from professionals just like yourself who are using Aras Innovator to support different business processes and practices. Topics will include:
- Project & resource management best practices for complex programs
- Advanced Product Quality Planning [APQP] implementation approaches
- Lean in Product Development using Aras Innovator
- Change Management best practices
- CAD Integration approaches
- Breakout sessions on collaborative development projects
- and much more

[View Agenda >> Click Here](#)

Presenting Companies

Confirmed presenters include leaders from Motorola, Freudenberg-NOK, Ogihara America Corporation, and the Institute of Configuration Management

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Missler Software Launches its New International Enduser Forum

28 February 2007

Missler Software has just recently launched the International TopSolid Forum, <http://forum.topsolid.com>. The aim of the forum is to provide a mechanism for users to communicate with each other and it will allow free discussion between TopSolid users all over the world. The new forum, where English is the language of discussion, will enable TopSolid operators to discuss and ask questions to other operators across the globe, without the forum in any way replacing technical support provided by Missler Software and its VAR reseller network.

With more than 8000 operators worldwide, Missler Software hopes to create a community of TopSolid users where the exchange of ideas, tips and experiences are the order of the day.

The forum will be moderated by a number of people both internal and external to Missler Software who will reply to certain questions. However, this is a user forum and Missler Software will not attempt to respond to all questions.

Consultation of the forum is open to all. Discussion is, however, reserved to TopSolid customers. The login and password to the forum have been communicated to all Missler Software VAR resellers. Please contact your local reseller who will communicate these elements to you.

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Mystic Management Systems, Inc. Announces 2007 User Group Meeting

2 March 2007

Mystic Management Systems announced that it will host its 2007 User Group Meeting at the Mohegan Sun in Uncasville, Connecticut from October 9-11, 2007. Mystic's meeting, themed 'Winning the Quality Jackpot', will include sessions that provide informative and educational topics in quality process management.

"Winning the Quality Jackpot" 2007 will provide attendees a blend of educational and hands-on training sessions that support its customer quality processes and procedures through the use of its ensur product suite. In addition, Mystic Management Systems will present its planning strategy and development roadmap focusing on how its plans support new emerging changes in technology while continuing support the specific needs and business objectives of their operations.

Customers of Mystic Management Systems will be able to participate in many in-depth presentations which include topics like Performance Excellence, the Value of Integration, Lean Manufacturing, CAPA Excellence and hands-on training classes. Diane Wishart, Director of Marketing, states, "Our User Group Meeting is one of the best opportunities for our customers to network and share ideas for leveraging their quality product development practices across their total business". Wishart further states, "It is a time once again, for us to come together as a collective group to discuss specific business and industry needs for today and in to the future."

For more information about Winning the Quality Jackpot user group meeting, provided by Mystic Management Systems, contact (01) 860-887-2900 or marketing@mysticpdm.com.

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Register Today for the Second Installment of COE's Ask the Expert Webcast Series on March 6, 2007

March 2007

Join Kraig Walker of INCAT as he presents CATIA V5 Server Configuration, in a live, interactive Webcast on March 6 at 11:00 a.m. EDT.

In a medium to large CATIA V5 installation, CATIA administration can seem like a daunting task. This session will introduce you to the methods available to make your CATIA V5 code, environments, settings and standards server based to help minimize these administration requirements.

The Ask the Expert Webcast, CATIA V5 Server Configuration, will follow the below agenda:

- Server Based CATIA Installation
- Environments Simplified
- Server Environments vs Environments on a Server
- What really is a CATIA Administrator
- Configuring Settings and Standards
- Server Based Environments, Settings and Standards
- Q&A

About the Presenter

Kraig Walker, Senior Systems & Applications Engineer, INCAT, has a BS in Computer Science from Millersville University and twenty-four years of experience supporting CATIA installations on mainframes, unix and PCs. Kraig also supports the aerospace and automotive industries developing methods and procedures in the use of CATIA V5 and is a Dassault certified CATIA V5 instructor.

[Register](#) for COE's March Ask the Expert Webcast

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Registration is Now Open for PTC/USER World Event 2007

February 2007

The biggest event of the year for the PTC Community - PTC/USER World Event 2007 (June 3-6, 2007), - is just a few short months away. More and more industry professionals are attending this valuable conference each year and return to their jobs with new skills, new contacts, new insights, and renewed energy.

How will the PTC/USER World Event benefit YOU?

Top 10 Reasons to attend PTC/USER World Event 2007!

1. **A Premier Conference for the Global PTC Community.** 3 days of in-depth training, education & networking you won't find anywhere else!
2. **Vision & Strategy.** Hear from company leaders about the future of PTC technology.
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Report on the PCO Forum

21 February 2007

More than 200 industrialists gathered at Lyons on January 25, 2007 for the PCO Forum, twice the number who attended the previous forum. It celebrated the 10th birthday of the PCO company and confirmed its change of market position to “Innovation Intelligence”, a new concept combining practices, methods and tools at the service of continuous innovation.

This day of cross-sector meetings and exchanges between well-known companies, at the cutting-edge of the Product Lifecycle Management (PLM) information system field, allowed the new trends in PLM to be reviewed through many case histories and lively debates.

Among the basic subjects covered by the industrialists on this occasion we noted a strong wish to place Customer Requirements at the heart of the Product Development process and the related information system, as the DCN and VOLVO Powertrain presentations demonstrated.

Concurrent Product/Process engineering was also a central issue in the debates, with the Bourbon Fabi Automobile presentation dealing with federating technical and economic repositories within PLM, in order to support product design and mass production.

You cannot have innovation without a process of rationalisation. Several presentations covered this search for balance, in particular those given by Faurecia and MBDA who shared a common wish to harmonise PLM information systems and processes in complex organisations.

Finally, because continuous innovation concerns not only the processes and the information system, but also the corporate culture and individual aptitude, the Schneider Electric Group and EM Grenoble highlighted the principle of flexibility as a fundamental factor for performance.

Looking forward to seeing you all at the next PCO Forum, in 2 years time.

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Financial News

Autodesk Reports Record Revenues of \$497 Million

27 February 2007

Autodesk, Inc. reported record quarterly revenues of \$497 million, an increase of 19 percent over the fourth quarter of fiscal 2006.

"We are pleased to finish another year of outstanding execution and revenue growth," said Carl Bass, Autodesk president and CEO. "In fiscal 2007, we delivered revenues of \$1.84 billion, nearly double the level of three years ago. Our fourth quarter growth was driven by strong performance from emerging economies, our subscription program and, most significantly, record revenues from our model-based 3D products. Looking to fiscal 2008, we expect Autodesk to continue to focus on delivering industry-leading 3D design software solutions that help our customers be more productive, improve quality and foster greater innovation."

Operational Highlights

Autodesk's performance was driven by robust increases in revenue from model-based 3D products, maintenance revenue from subscription, and revenue in the emerging economies. In addition, revenues from crossgrades -- customers moving from one product to another -- and new seats showed strong growth.

The Company's model-based 3D products, Inventor, Revit and Civil 3D, continue to increase their market penetration. Combined revenues from these model-based design products increased 40 percent over the fourth quarter of fiscal 2006 to a record \$121 million or 24 percent of total revenues in the quarter. In total, Autodesk shipped more than 47,000 commercial seats of 3D in the quarter including 23,000 seats of Revit, over 15,000 seats of Inventor and nearly 9,000 seats of Civil 3D.

Once again, emerging economies contributed robust growth in revenues. Revenues from the emerging economies in Asia Pacific, Eastern Europe, the Middle East and Latin America increased 44 percent over the fourth quarter of fiscal 2006 to \$75 million and represented 15 percent of total revenues in the fourth quarter.

CIMdata PLM Industry Summary

Maintenance revenues from subscription increased 53 percent compared to the fourth quarter of fiscal 2006 to \$123 million or 25 percent of total revenues. Continued strength in subscription attach rates and renewal rates drove a \$53 million sequential increase in deferred maintenance revenue from subscription. Total upgrade revenues increased slightly compared to the fourth quarter of fiscal 2006 driven by a 45 percent increase in crossgrade revenue.

Revenues from new seats increased by 15 percent compared to the fourth quarter of last year. Revenues from new seats of Revit and Civil 3D increased 95 percent and 26 percent, respectively, compared to the fourth quarter of fiscal 2006. Revenues from new seats of AutoCAD Mechanical and Inventor Professional increased by 68 percent and 62 percent, respectively, compared to the fourth quarter of last year. Revenues from new seats of flame increased by over 100 percent compared to the fourth quarter of fiscal 2006.

OTHER FINANCIAL HIGHLIGHTS

- Cash, cash equivalents and marketable securities increased by \$181 million sequentially to \$778 million as of January 31, 2007.
- Total backlog was \$415 million as of January 31, 2007, including \$398 million of deferred revenues. Deferred maintenance revenues from subscription increased \$53 million sequentially to \$328 million. In addition, there was \$17 million of unshipped product orders, or shippable backlog, at quarter end.
- Channel inventory decreased sequentially and was below the normal range of three to four weeks.
- As a result of strong subscription bookings in the quarter, DSO's increased to 55 days.
- Capital expenditures were \$10 million.
- As a result of the voluntary review of the Company's historical stock option granting practices and the related accounting, the Company did not issue or repurchase any shares during the quarter.
- There were approximately 231 million total shares outstanding and 244 million diluted shares outstanding in the fourth quarter.
- Revenues in the Americas increased 15 percent over the fourth quarter of fiscal 2006 to \$203 million.
- Revenues in EMEA increased 26 percent over the fourth quarter of fiscal 2006 to \$189 million.

CIMdata PLM Industry Summary

- Revenues in Asia Pacific increased 18 percent over the fourth quarter of fiscal 2006 to \$105 million. Revenues in Japan decreased three percent compared to last year. Excluding Japan, revenues in Asia Pacific increased 34 percent compared to last year.
- In the fourth quarter of fiscal 2007, spending on total costs and expenses -- which include cost of license and other revenue, cost of maintenance revenues, marketing and sales, research and development, and general and administrative -- increased by \$5 million sequentially.
- Spending related to the voluntary stock option review included \$3 million in legal, tax and accounting fees.
- Interest and other income decreased by \$2 million sequentially to \$4 million.

Fiscal 2007 Full Year Review

Revenues for fiscal 2007 increased 21 percent over fiscal 2006 to \$1.84 billion, driven by strength in revenues from model-based 3D products, new seat revenue, maintenance revenue from subscription, and revenue in the emerging economies. Combined revenues from the Company's model-based 3D products increased 41 percent over fiscal 2006 to a record \$399 million. In total, Autodesk shipped nearly 150,000 commercial seats of 3D including nearly 70,000 seats of Revit, nearly 48,000 seats of Inventor and nearly 31,000 seats of Civil 3D.

Revenue from the emerging economies in Asia Pacific, Eastern Europe, the Middle East and Latin America increased 39 percent over fiscal 2006 to \$258 million.

Revenue from new seats increased 19 percent over fiscal 2006. Maintenance revenue from subscription increased 53 percent in fiscal 2007 to \$424 million.

Because Autodesk has not yet filed its second and third quarter fiscal 2007 financial statements, several adjustments have been made to the financial results of the second and third quarters of fiscal 2007. Events that occurred subsequent to these quarters provided additional information which differed from the estimates that were originally provided. The changes result in a decrease in our after-tax GAAP expenses for the second quarter of \$13.6 million and an increase in our GAAP expenses for the third quarter of \$2.6 million. On a Non-GAAP basis, these adjustments decreased our after-tax spending for the second and third quarters of fiscal 2007 by \$2.9 million and \$0.7 million, respectively. Please refer to the table below for a reconciliation of the Non-GAAP to GAAP results.

Reconciliation of GAAP Subsequent Event Adjustments to Non-GAAP Subsequent Event Adjustments:

Please visit http://pressreleases.autodesk.com/index.php?s=press_releases&item=210%3C%2Ftd%3E

Business Outlook

The following statements are forward-looking statements which are based on current expectations and which involve risks and uncertainties some of which are set forth below. As a result of the voluntary stock option review, the Company is not providing EPS guidance at this time. Additionally, because accounting related to the restatement of its financial statements is being finalized as a result of the voluntary stock option review, as described below, the Company is not able to provide GAAP operating margins for fiscal 2008 at this time.

First Quarter Fiscal 2008

Net revenues for the first quarter of fiscal 2008 are expected to be in the range of \$490 million to \$500 million. Non-GAAP operating margins for the first quarter of fiscal 2008 are expected to be in the range of 25.5 to 26.3 percent. Non-GAAP operating margins do not include SFAS 123R stock-based compensation expenses, which the Company is currently unable to determine but believes will be significant, amortization of acquisition related intangibles of approximately \$4 million, and reimbursement to employees for tax issues arising from the stock option review, which the Company is currently unable to estimate but believes to be significant. Company estimates include approximately \$4 million in the first quarter of fiscal 2008 for legal, tax and accounting fees related to the voluntary stock option review period.

Second Quarter Fiscal 2008

Net revenues for the second quarter of fiscal 2008 are expected to be in the range of \$505 million to \$515 million. Non-GAAP operating margins for the second quarter of fiscal 2008 are expected to be in the range of 25.5 to 26.3 percent. Non-GAAP operating margins do not include SFAS 123R stock-based compensation expenses, which the Company is currently unable to determine but believes will be significant, amortization of acquisition related intangibles of approximately \$4 million, and reimbursement to employees for tax issues arising from the stock option review, which the Company is currently unable to estimate but believes to be significant.

Full Year Fiscal 2008

For fiscal year 2008, net revenues are expected to be between \$2.075 billion and \$2.125 billion.

Not taking into account SFAS 123R stock-based compensation expenses, which the Company is currently unable to determine but believes will be significant, amortization of acquisition related intangibles of approximately \$16 million, and reimbursement to employees for tax issues arising from the stock option review, which the Company is currently unable to estimate but believe to be significant, non-GAAP operating margins for fiscal year 2008 are expected to be in the range of 27 to 27.5 percent. In addition, the Company now expects its fiscal 2008 tax rate to be between 25 and 26 percent.

Stock Option Review

In a separate announcement, the Company today announced that the Audit Committee of Autodesk's Board of Directors has completed its voluntary review of the Company's stock option grant practices. As

a result of the findings of the voluntary review, the Board of Directors has concluded that the consolidated balance sheets as of January 31, 2002, 2003, 2004, 2005 and 2006, and the related consolidated statements of income, stockholders' equity, and cash flows for each of the fiscal years ended January 31, 2003, 2004, 2005 and 2006 should no longer be relied upon. As a result, the Company expects to restate its previously-issued financial statements for fiscal years 2003 through 2006, to make adjustments related to accounting for stock-based compensation expense. The Company currently estimates that the pre-tax, non-cash charges to be incurred are in the range of \$38 million to \$45 million for stock-based compensation expense over the 18 year period of the review. Approximately \$23 million to \$26 million of the restated amounts will apply to income statement for fiscal years 2003 through 2006, and the remainder, which is applicable to prior fiscal years, will be recorded as a charge to be retained earnings as of January 31, 2002. The adjustment for the first quarter of fiscal 2007 will be recorded in the second quarter of fiscal 2007 due to its insignificance. Ernst & Young, LLP has not yet completed its procedures with regard to the Company's restated financial statements. More information is available in the press release and Form 8-K filed today, February 27, 2007.

Earnings Conference Call and Webcast

Autodesk will host its fourth quarter conference call today at 5:00 p.m. EST. The live announcement may be accessed at <http://www.autodesk.com/investors> or by dialing 866-203-2528 or 617-213-8847 (passcode: 10432828). An audio webcast or podcast of the call will be available at 7:00 pm EST at <http://www.autodesk.com/investors>. This replay will be maintained on our website for at least twelve months. An audio replay will also be available for one month beginning at 7:00 pm EST by dialing 888-286-8010 or 617-801-6888 (passcode: 43703753).

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Cadence Hosts 2007 Investor and Analyst Conference Web Cast

26 February 2007

WHO:

Cadence Design Systems, Inc. will host the Cadence 2007 Investor and Analyst Conference via Web cast.

WHAT:

Interested parties may participate in the Cadence 2007 Investor and Analyst Web cast, hosted by Mike Fister, president and chief executive officer; Bill Porter, executive vice president and chief financial officer, and the Cadence executive team.

WHEN:

The event will be available via on-demand Web cast at 9:00 a.m. ET on Wednesday, February 28, 2007. The presentation will be archived on the Cadence Web site and available for replay through 8:00 p.m. ET on Wednesday, March 28, 2007.

WHERE:

The Web cast will be available online at: http://www.cadence.com/company/investor_relations.

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Invention Machine Enters 2007 with Record Growth and Corporate Momentum

27 February 2007

[Invention Machine Corporation](#) announced record growth in 2006 marked by substantial year-end revenues, strong new customer acquisitions and existing customer expansions, and significant new and localized product introductions. Record revenues in the fourth quarter capped another year of strong, profitable, double-digit growth, far exceeding the overall industry averages and demonstrating increasing demand for Invention Machine's Goldfire Innovator.

"We are proud of our success in 2006 and the momentum and market traction we have achieved," said Mark E. Atkins, Chairman, President and CEO of Invention Machine. "Invention Machine's strategy has been to listen to our customers, fund R&D investments, and continue to deliver world-class solutions that uniquely address manufacturer's most pressing innovation challenges. We look forward to building on this foundation and accelerating our growth in 2007."

Customer Momentum Driven by Continued Adoption across Verticals and Geographies

Invention Machine experienced substantial customer growth in more than 15 countries across key manufacturing industries, including automotive, aerospace and defense, chemicals, consumer packaged goods, electronics, energy, life sciences and pharmaceuticals. 2006 customer wins include: Hyundai Heavy Industries, Thales, PepsiCo Inc., Dassault Aviation, Arcelik AS, Gaz de France, Leggett & Platt, Alcan, Samsung Electronics Co. Ltd., Mitsubishi Chemical Corporation, Siemens, LG Micron, Airbus, Solutia Inc., Sun Chemical, and Cardinal Health.

Global Expansion

In order to meet increased global demand for its Goldfire™ solutions, 2006 marked an important year in corporate expansion:

- Opening new offices in Frankfurt, Germany
- Doubling the size of its global direct sales, marketing and services organizations

- Expanding the management team with the addition of Jeff Boehm, Vice President of Marketing and Strategy, Barry Daitch, Vice President of Services, and Jeff Jarvis, Vice President of North American Sales
- Appointing former Ascential Software Chairman and CEO, Peter Gyenes, to Invention Machine's Board of Directors; and
- Expanding the company's presence in Asia Pacific and Europe with the addition of new resellers in Taiwan, India, Malaysia, Italy, Portugal and Sweden.

Product and Services Leadership

2006 was a banner year for Invention Machine's product portfolio with two major releases of its flagship product, Goldfire Innovator™ and a series of local language versions of the software. Notable releases include:

Goldfire Innovator™ 3.0, which ushered in a new class of knowledge-enabled innovation capabilities based around breakthrough semantic analysis functionality, enabling users to more easily leverage existing information sources to solve complex manufacturing challenges. Goldfire Innovator's Root Cause Analysis (RCA) and newly introduced Failure Mode Effects Analysis (FMEA) modules, which facilitate more rapid and comprehensive failure diagnosis and improve design reliability, are built upon a powerful new semantic structure – the Cause-Effect relationship – providing users the ability to automatically identify and retrieve 'causes' and 'effects' of events across internal and external data sources.

The release of Goldfire Innovator with a French semantic engine including a patent-pending cross-language search capability, which allows users to access and leverage concepts across both French and English documents.

Goldfire Innovator™ 3.5, which includes a new German semantic engine along with numerous feature enhancements.

The release of a fully localized Japanese version of Goldfire Innovator including a Japanese semantic engine.

2006 was also a strong year for the Invention Machine Services Group with the re-engineering and growth of the services team, the roll-out of several new and robust service offerings, and the successful completion of a record number of customer engagements.

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MSC.Software Reports Financial Results for the Fourth Quarter and Year Ended December 31, 2006

28 February 2007

MSC.Software Corporation announced financial results for the fourth quarter and year ended December 31, 2006.

REVENUE

Total revenue for the fourth quarter ended December 31, 2006 was \$66.0 million compared to \$84.9 million for the 2005 fourth quarter. Software revenue for the 2006 fourth quarter totaled \$27.9 million compared to \$46.3 million for the 2005 fourth quarter. The 2005 fourth quarter included \$1.7 million of non-recurring PLM software revenue. The PLM business was sold in March 2006. In addition, the 2005 quarter benefited by \$6.0 million in net restatement adjustments. Restatement adjustments arise from software license transactions which occurred prior to January 1, 2005. Net restatement adjustments reflect the difference between the restatement adjustments in 2005 and the restatement adjustments in 2006. For the fourth quarter ended December 31, 2006, maintenance revenue totaled \$29.4 million and services revenue totaled \$8.7 million, compared to \$27.5 million of maintenance revenue and \$11.0 million of services revenue for the 2005 fourth quarter. The 2005 quarter included \$1.2 million of PLM services revenue.

Total revenue for the year ended December 31, 2006 was \$259.7 million compared to \$295.6 million for the year ended December 31, 2005. Software revenue for 2006 totaled \$111.2 million compared to \$144.0 million for 2005, which included \$4.5 million of non-recurring PLM software revenue. In addition, 2005 benefited by approximately \$11.0 million of net restatement adjustments. For 2006 maintenance revenue totaled \$115.1 million and services revenue totaled \$33.4 million compared to \$107.5 million of maintenance revenue and \$44.1 million of services revenue in 2005, which included \$3.2 million of PLM services revenue.

"Fiscal 2006 was a year of both significant accomplishments and important challenges for MSC," said Bill Weyand, CEO and Chairman of MSC.Software. "We completed the accounting restatement begun in 2004, we became current with all financial filings with the SEC, we successfully divested two non-core business activities and we began trading on NASDAQ, while at the same time completely revamping our product portfolio with a series of significant new product launches that positioned MSC to deliver enterprise simulation solutions."

"We saw good traction with our enterprise simulation products in the fourth quarter, which will result in renewed software license growth opportunities in 2007," added Mr. Weyand. "In addition, by leveraging our relationships with key global partners like IBM and Microsoft, we have positioned MSC to deliver sustained revenue growth both from our established engineering products as well as with our new family of enterprise simulation solutions. Along side our key channel partners including INCAT in Europe and the Americas, and ISID in Japan, we have a significant new revenue opportunity with our SimOffice channel product."

REVENUE BY GEOGRAPHY

Total revenue in the Americas for the year ended December 31, 2006 was \$75.7 million, a decrease of 13.5% compared to \$87.6 million in fiscal 2005. After adjusting 2005 for software and services revenue

CIMdata PLM Industry Summary

totaling \$7.7 million for the PLM business, total revenue in the Americas decreased by 5.3%. Total revenue in EMEA for 2006 was \$103.4 million, a decrease of 9.8% compared to \$114.7 million for 2005. In the Asia Pacific region, total revenue for 2006 was \$80.5 million, a decrease of 13.7% compared to \$93.3 million for 2005.

RESULTS OF OPERATIONS AND EPS

Total operating expenses for the 2006 fourth quarter were \$54.4 million, compared to \$52.3 million for the 2005 fourth quarter. The 2006 quarter included \$1.0 million of additional stock based compensation recognized pursuant to FAS 123(R) and \$1.7 million of consulting expenses related to the Oracle implementation. The 2005 quarter included expenses totaling \$2.2 million related to facilities consolidations and \$2.0 million related to special investigation and restatement audit fees. Excluding such expenses, total operating expenses for the 2006 fourth quarter were \$51.7 million compared to \$48.1 million for the 2005 fourth quarter.

The fourth quarter 2006 had an operating loss of (\$0.9) million, compared to operating income of \$13.3 million in the 2005 fourth quarter. For the 2006 fourth quarter, income from continuing operations totaled \$11.2 million or \$0.25 per diluted share, compared to income from continuing operations of \$5.9 million or \$0.14 per diluted share in the 2005 fourth quarter. The 2006 fourth quarter included a tax benefit totaling \$11.0 million that was generated primarily by the release of valuation allowance on deferred tax assets.

For the year ended December 31, 2006, total operating expenses were \$196.9 million compared to \$195.8 million for 2005. Included in 2006 was a \$4.6 million gain on the sale of assets of our PLM business. The 2006 period also included \$6.0 million of audit and non-recurring professional services and audit fees incurred in connection with the 2005 audit, \$6.0 million of consulting expenses related to the Oracle implementation, \$5.3 million of additional stock based compensation related to the implementation of FAS 123(R), \$0.7 million to settle previously disclosed claims and \$0.6 million to terminate certain equipment leases. The 2005 period included \$8.6 million of expenses related to the special investigation and restatement audit, \$4.8 million provision for facilities closures, severance expenses totaling \$3.9 million and \$2.0 million of expense related to termination of a product distribution agreement. The 2005 period also included \$5.7 million of PLM operating expenses. Excluding these items, operating expenses for 2006 totaled \$182.9 million compared to \$170.8 million for 2005.

Operating income for fiscal year 2006 was \$4.7 million compared to \$29.2 million for 2005. Income from continuing operations totaled \$13.3 million or \$0.31 per diluted share, compared to \$11.9 million or \$0.30 per diluted share for 2005.

GUIDANCE

The Company expects total revenue in the range of \$270 -- \$275 million for the year ended December 31, 2007. In addition, the Company expects its effective tax rate to be in the range of 40% to 42% for 2007.

CONFERENCE CALL

The Company will host a conference call to discuss the fourth quarter and year end financial results today at 1:30 pm pacific (4:30 pm eastern). An archived version of the conference call will be available until March 2, 2007 and can be accessed at: (800) 642-1687 using the conference ID code: 9323034. An archive of the conference call will also be available at <http://www.mscsoftware.com/ir/>.

For Financial Tables click [here](#).

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PTC to Webcast Annual Meeting of Stockholders

28 February 2007

PTC is holding its annual meeting of stockholders on March 7, 2007 at 9:00 am ET. The annual meeting may be attended in person by PTC shareholders at PTC's corporate headquarters in Needham, Mass. The event will be audio webcast simultaneously on PTC's investor web site. To access the live Webcast or replay of the event, please visit <http://www.ptc.com/for/investors.htm>.

For more information on corporate governance at PTC, please visit <http://www.ptc.com/for/investors.htm> and click on the "Corporate Governance" button. PTC will post the results of its annual meeting vote on this website within 2 business days of the annual meeting.

The webcast of this event will be archived for public replay for a period of three (3) business days from the date of the presentation. To access the replays, please visit <http://www.ptc.com/for/investors.htm>. Please note that statements in the presentation are as of the date of the presentation and PTC does not assume any obligation to update any statements made or the archived presentation. In addition, matters discussed may include forward-looking statements about PTC's anticipated financial results and growth, as well as about the development of products and markets, which are based on current plans and assumptions. Actual results in future periods may differ materially from current expectations due to a number of risks and uncertainties, including those described from time to time in reports filed by PTC with the U.S. Securities and Exchange Commission, including PTC's most recent report on Forms 10-Q and 10-K.

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SEAL Systems Annual Yield 2006; Turnover Exceeds 10 Mio. €

February 2007

For the 2006 business year SEAL Systems announces a boost in sales. The consolidated sales revenue increased from 9.3 to 10.1 Mio. €

The share of the foreign business sales revenue has increased to 25 per cent. Business in North America has developed particularly well and slightly missed the mark of 1 Mio. €

In Germany the number of incoming orders was rather diminished during the first three quarters of 2006. However, by the end of the year the level of the previous year was reached.

The majority of sales were in the Document Output Management solutions for large and middle-sized enterprises as well as integration components for mySAP® PLM and other SAP® modules. New product lines like Direct Publishing, PDF/A tools and tools for SAP Records Management have quadrupled the incoming revenue.

Company speaker Reinhold Müller-Meernach comments on the business results: "This year we could hit all our targets concerning sales and incoming orders. We are glad, that we could break the 10 Mio. € limit. For the past three years we have been working on this goal. SEAL Systems customer's decisions have helped us to reach this goal. All of our employees can be proud on this success.

We will continue our strategy for expanding international business. Our solutions are demanded in all industrialized countries. Also our customers in Germany are continuously expanding in international markets. SEAL Systems is going right along with them."

Senior officer Angela Strauß draws a positive balance: "The target is to be the first choice for our customers. We have attained this goal. The backlog of orders has slightly increased compared with last year and guarantees by mere calculation the capacity utilization of our employees for five month. Furthermore we are mastering costs. Therefore also this year we are satisfied with the company's operating result."

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Implementation Investments

At Bélisle, Programmers' Productivity Goes Through the Roof with WorkNC

26 February 2007

Formed in 1997, Bélisle Industries in Québec, Canada has been manufacturing moulds for the diecasting and plastic injection industries since 2003. The majority of its moulds go to a sister company and are destined for use in the automotive, electrical, medical and telecommunications industries, and on recreational vehicles. The company provides a complete service, designing the moulds and machining directly into hardened steel.

The move to mould manufacture highlighted the shortcomings in Bélisle's existing CAM software. It had heard about WorkNC and was impressed with the capabilities of the stock model and the rest material management within the software. Frédéric Jean, General Manager at Bélisle said, "Prior to installing WorkNC, re-machining with smaller tools had to be calculated by hand which was time consuming, unreliable, and very unsatisfactory for the hard materials being cut." WorkNC includes dynamic stock management which automatically updates the material remaining after each machining operation. Using this information, the software knows exactly where excess material is situated, avoiding cutter overloads

and air cutting. For hard material, keeping the tool engaged with the job eliminates shock loading, lengthens tool life, minimises machining time and improves the quality of the finished part.

During the evaluation process, Bélisle also found that WorkNC could deliver some significant time savings with its ability to set up additional Workzones while the toolpath calculation was in progress. Frédéric Jean commented, “With the other systems we looked at, we found that it was virtually impossible to carry out further CNC programming tasks while they were calculating. WorkNC’s multitasking capability is a big boost to the productivity of our programmers.” The company had heard of WorkNC’s reputation for reliable toolpaths and was pleased to find it was well deserved. He continued, “Toolpaths are efficient and collision free. Calculation times are faster and the stock and rest models are a great improvement. The productivity of our programmers has gone through the roof. It is 200 to 300% better.” Bélisle takes full advantage of Sescoi’s software support and has benefited from the continual flow of software enhancements. Frédéric Jean said, “We have a good relationship with the support team, and have seen some of our suggestions implemented in new WorkNC releases.”

The toolpaths most commonly used by Bélisle are High Torque Roughing and Re-roughing, and Z Level and Optimised Z Level Machining. Utilising these routines automatically cuts the majority of its cavities. Tool holder collision checking is also of vital importance. Frédéric Jean said, “It gives us absolute confidence in the toolpaths we create.” The company also makes use of the 2D feature recognition in WorkNC which, once configured, gives them good results, automatically machining holes and pockets. Confidence in the quality of the WorkNC toolpaths has had a positive influence on the shop floor, enabling the machine operators to manage two or three machines each, releasing people to carry out other tasks such as polishing, assembly and fitting.

The shop floor documentation generated by WorkNC is a major step forward for the company. The HTML files have been customised to suit Bélisle’s individual requirements and have enabled it to save a significant amount of time and also avoid transposition errors, which occasionally occurred with its old, manually created paperwork. Frédéric Jean explained the evolution of his market, “Customers now expect far more from us for a project to be deemed successful. WorkNC has helped us to keep up with their demands and has generated a significant improvement in productivity.”

WorkNC sits well with Bélisle’s philosophy of achieving more with the same equipment. Workflow is improved by continuing to programme during toolpath calculation; automatic documentation creation eliminates clerical errors; and reliable toolpaths have given its engineers the confidence to run several machines with one operator. Frédéric Jean concluded, “WorkNC suits our approach and fits well with our company business plan of achieving maximum metal removal rates.”

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Boots Selects TradeStone's PLM for Retail to Support Sourcing and Brand Expansion

5 February 2007

[TradeStone Software](#) announced that Boots The Chemists, a division of Alliance Boots, Europe's leading pharmacy-led health and beauty group, has purchased the TradeStone Suite to unify its Asian sourcing process and improve collaboration between divisions, suppliers and transportation providers.

Boots sourcing, distribution and retail operations are spread across Europe, Asia and the United States, creating significant disparities in languages, time zones, currencies and processes. To realize the company's vision of collaboration between all members of the sourcing process, Boots needed to overhaul the existing Asian sourcing management system, which is primarily based on Microsoft Office applications such as Excel and an old legacy AS400. The current primarily paper-based system makes information-sharing a tedious and time-intensive process. Reports can only be updated by one person at a time and then shared via email, a process complicated further by the variations in time zones.

To meet these needs, Boots selected TradeStone Suite, a Web-based application designed to unify the entire buying process. With the TradeStone Suite, manufacturers, suppliers and merchants work together for product development, planning refinement, order management, quality assurance, logistics and finance. The software automatically normalizes the three impediments to global commerce: language, time, and currency. TradeStone allows for multiple stakeholders to input data simultaneously and access information in real-time regardless of location. Additionally, all communications are date/time stamped and viewable through a collaboration history on the order, creating an audit trail while eliminating the need for paper. And the TradeStone Suite will layer across existing IT investments, such as SAP, MFG/PRO, and other homegrown systems, eliminating the need to rip-and-replace these systems.

"Boots is an international organization with outlets across Europe and Asia. Now, through the merger with Alliance Unichem, the enlarged group is primed to expand into new geographic markets." said John Rignall, Business Systems Director for Boots The Chemist. "Our need for a sourcing solution that can unify processes between suppliers, retailers and freight service providers across the Far East is paramount to our success. After an exhaustive search, we selected the TradeStone Suite because of its ability to bring every stakeholder onto one easy to use system regardless of language barriers, time differences and processes variations."

"For almost ten years, Boots has been recognized as the most trusted brand in the UK. As they focused on expansion of their sourcing operation around the world, they sought a technology infrastructure that could support their ability to continue delivering the high standard of quality that customers associate with the Boots name," said Sue Welch, CEO for TradeStone Software. "TradeStone's Unified Buying Process helps improve their internal sourcing practices and external collaboration with overseas suppliers to ensure that very complex levels of product specification are developed, defined, communicated, monitored and measured consistently. Alliance Boots will have an end-to-end global sourcing, PLM and order management solution that enables them to improve profitability while expanding the Boots brand into new markets."

About Alliance Boots

Alliance Boots is a leading international pharmacy-led health and beauty group which operates in both wholesale and retail.

It has a wholesale and distribution network serving over 125,000 pharmacies, hospitals and health centres via 380 depots in 14 countries. Pharmaceutical wholesaling businesses are in the Czech Republic, France, Italy, The Netherlands, Norway, Russia, Spain and the UK. Associate pharmaceutical wholesaling interests are in Egypt, Germany, Portugal, Romania, Switzerland and Turkey.

In retail, Alliance Boots has a network of approximately 3,000 outlets in seven countries, of which over 2,700 have pharmacies. Retail healthcare outlets are in Republic of Ireland, Italy, The Netherlands, Norway, Thailand and the UK. Associate retail healthcare outlets are in Italy and Switzerland.

Formed on 31 July 2006, Alliance Boots is listed on the London Stock Exchange and employs around 100,000 people.

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Breeze Eastern, a Division of Transtechnology Corporation, Selects 3D_Evolution® To Translate New Project for AIRBUS

1 February 2007

[Translation Technologies](#) announced that Breeze-Eastern, located in Union New Jersey has purchased a 3D_Evolution®, CT Core Technologies GmbH's premier direct translator. Breeze-Eastern was awarded a \$40 million dollar contract from AirBus in April of 2006. The contract included the design and manufacture of a new cargo winch, overhead crane, and rescue winch for the new A400M military cargo airplane.

Breeze-Eastern utilizes Pro/ENGINEER WildFire for all of their in-house product design activities and AIRBUS uses CATIA V5 as their primary design system. Paul Lombardino, Principle Engineer at Breeze-Eastern said, "we wanted to compete for this large contract but the different CAD systems used by the two companies could have been a problem. Translation Technologies had been doing most of our translation work out of their Service Center in Spokane, WA and has always delivered high quality translations quickly. It seemed natural to go to them to solve our in-house data translation requirements."

3D_Evolution® is a premier direct translator and healing system. It is capable of handling assemblies and complex geometries, 3D_Evolution®. The system is reliable and simple to use. A majority of models translate automatically in batch mode without any geometric or topological errors. For the problematic models, 3D_Evolution® has a powerful and intuitive interactive mode. In interactive mode, 3D_Evolution® makes it possible to visually control the model's topology errors and warnings, allowing the user to complete a quick and easy analysis of the model quality. The global and local healing capabilities of 3D_Evolution® help the user to translate even the most complex and problematic models into target models that are solid, stable, and of high quality.

Mr. Lombardino went on to say, "when it comes to CAD data translation issues, we believe in the systems and experts at Translation Technologies, their working knowledge of translation problems and solutions coupled with their World-class customer service made them the right choice for Breeze-Eastern and this highly visible project." Tim Boden, Director of Sales and Marketing for Translation Technologies stated, "we are very proud of our relationship with Breeze-Eastern as well as the selection of 3D_Evolution® for their CAD data translation solution. We are extremely confident in this translator's ability to consistently deliver useable solid models." He went on to say, "once again we proved first to Breeze-Eastern the quality of our software solutions instead of just selling them software and then trying to explain why it doesn't work properly on a particular model."

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Cadence Logic Design Technologies Give Asia-Pacific Chip Designers a Competitive Edge

28 February 2007

[Cadence Design Systems, Inc.](#) announced that four Asia Pacific chip-design companies—Altek Corporation, CoolSand Technologies, the Electronics and Telecommunications Research Institute (ETRI) of Korea, and Moai Electronics Corporation—have selected the Cadence® Encounter® RTL Compiler solution with global synthesis technology to improve chip design and enhance their time-to-market. Encounter RTL Compiler synthesis and Encounter Conformal® Equivalence Checker—key technologies of the Cadence Logic Design Team Solution—along with Cadence Engineering Services, helped these customers meet their design schedules and timing, area and power requirements.

Altek Corporation is a leading system house in Taiwan, with a focus on providing one-stop shopping for the digital camera market. The company used Encounter RTL Compiler XL technology to synthesize and Encounter Conformal Equivalence Checker XL technology to verify their integrated circuits (IC), which were produced by a Taiwanese foundry using its 0.13-um process. "Using Encounter RTL Compiler, we were able to reduce timing and area in an over 2.2-million-gate chip," said Simon Law, vice president of the ASIC business unit at Altek. "We are also currently evaluating the multi-supply voltage (MSV) and multi-mode capabilities supported by Encounter RTL Compiler GXL synthesis in our next chips for boosting applications-intensive, yet power-hungry portable imaging systems."

Coolsand Technologies (Beijing), Inc. is a SoC design enterprise and is focused on design for mobile communications and multimedia. With headquarters in Beijing and R&D bases in the U.S. and France, Coolsand Technologies also has branches in Shenzhen and Xi'an, China. It is the first commercial customer to adopt the Encounter RTL Compiler solution in Northern China. "Encounter RTL Compiler, the new generation global synthesis tool, has excellent capabilities to improve our design productivity," said Zuzhen Liang, president of CoolSand. "The combined application of Encounter RTL Compiler and Cadence First Encounter® silicon virtual prototyping can help us to manage and lower the size of chips effectively."

The Electronics and Telecommunications Research Institute (ETRI) of Korea was established in 1976 as a non-profit Korean government-funded research organization. The SoC Industry Promotion Center at ETRI is a chip-design incubator center in Korea. It allows ETRI to serve small and medium-sized design companies with the breadth of technologies from Cadence. ETRI used Encounter RTL Compiler XL synthesis, Encounter Conformal Equivalence Checker L, and Encounter Conformal Constraint Designer to speed overall design turnaround time. "The Cadence Logic Design Team Solution provided a full front-end solution that enables us to achieve competitive results in less time," said Ho Gil Cho, principal engineer at SoC Support Center, ETRI.

Moai Electronics Corporation, a Taiwan-based, fast-growing fabless ASIC design company specializing in system design for networking and communications, has successfully taped out two chips used in USB-related products. "In order to stay competitive, we needed best-in-class design tools capable of coping

with increasing design challenges," said Dr. PF Lin, president and CEO of Moai. "Encounter RTL Compiler, together with Encounter Conformal, helps us address these challenges."

"The wide acceptance of Cadence Encounter RTL Compiler global synthesis in the Asia-Pacific region reflects a growing understanding of the technical superiority of the Cadence Logic Design Team Solution," said Nimish Modi, corporate vice president of front-end design at Cadence. "We are committed to further advancing our synthesis technology to support the fast-growing IC design industry in this part of the world."

Encounter RTL Compiler and Encounter Conformal Equivalence Checker are part of the Cadence Logic Design Team Solution. Encounter RTL Compiler delivers smaller, faster, and cooler chips in less time, while Encounter Conformal Equivalence Checker is the industry-leading independent equivalence-checking solution.

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City of Helsingør, Denmark, Joins Bentley's Municipal License Subscription Program

1 March 2007

Bentley Systems, Incorporated announced that the city of [Helsingør](#), in the north of the Danish island of Sealand, has joined Bentley's Municipal License Subscription (MLS) program. The city will use its new MLS to enhance the services it provides to its more than 60,000 citizens.

Bentley's MLS offers municipalities all the software they need to design and manage all their infrastructure for a fixed annual fee based on population. The breakthrough program enables them to improve productivity and reduce administrative costs by outfitting their entire mapping and engineering organizations with fully integrated software for GIS and engineering workflows. This leads to improved services and more efficient government.

Helsingør provides its citizens with a full range of services, including public works, electric power, district heating, water and wastewater treatment, public safety, and mapping – among many others. With the help of Bentley Geo Web Publisher, the city publishes all services-related data on the Internet and its intranet, providing city staff and the public with easy access to this information.

As comprehensive as its service offerings are, the city is always looking for opportunities to enhance them. As Anja Jerow, technical designer for Helsingør, explained, "We are particularly interested in elevating the level of our GIS capabilities, offering the entire GIS staff access to Bentley's comprehensive portfolio of geospatial software. Acquiring this access the old-fashioned way, through the purchase of additional licenses, would be far too costly and would make pilot deployments of additional solutions prohibitively expensive."

Jerow continued, "With our MLS, we can deploy any Bentley solution in the program at no additional charge and, therefore, experiment with new solutions while maintaining tight control of our budget.

CIMdata PLM Industry Summary

Better still, because our entire organization has access to the software, we can spread the program's cost evenly among our departments, simplifying budgeting.

“More importantly, through our new MLS, the needs of our citizens are better met – a direct result of our ready access to a comprehensive selection of advanced software. At the same time, future service expansions or enhancements are easier to plan for since we are no longer hampered by the budget approval process typically needed to acquire new software for service upgrades.”

One of the additional Bentley solutions being considered for future deployment by Helsingør is ProjectWise, a scalable collaboration system for connecting people and information across the distributed enterprise. Said Jerow, “We will likely implement ProjectWise for use by the electric power department. ProjectWise would help streamline our documentation workflows and improve data exchanges among the Helsingør staff, our subcontractors, and third-party suppliers.”

Bentley's MLS program provides municipalities with unlimited access to a comprehensive portfolio of integrated GIS and engineering software for all of their infrastructure, including:

- Public works – roads, bridges, water, sewer, and storm
- Land development
- E-government
- Light rail design
- Community broadband
- Water and wastewater treatment plant design
- Electric and gas distribution networks
- Urban planning
- Cadastre management
- Public safety
- Municipal building design
- Mapping and 3D modeling

Because program fees are fixed, Bentley's MLS guarantees predictable software costs and budgeting. In addition, it removes the administrative burden of complex software licenses, shortens procurement cycles, speeds project starts, and ultimately leads to more efficient government.

For more information about Bentley's MLS program initiative and software or to contact a Bentley representative, visit <http://www.bentley.com/MLS>.

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Delcam's CAD/CAM Software Cuts the Cost of Custom Propellers

27 February 2007

Using Delcam's CAD/CAM software has enabled Teignbridge Propellers to reduce the cost and to speed the delivery of its custom propellers. The improvements enabled by adding the company's PowerSHAPE CAD software and the PowerMILL CAM system have made them more competitive with the standard propeller ranges offered by most other manufacturers.

Since its formation over 30 years ago, Teignbridge Propellers has grown from its base in Newton Abbot, Devon, to become a major supplier of propellers and propulsion systems to many of the world's major motor yacht and boat builders, as well as many navies and commercial boat operators. The company, which recently became part of the Mercury Marine group, specialises in custom propellers. They are designed individually for each specific vessel and engine combination, and so enable the craft to achieve its optimum performance.

The definition of "optimum performance" depends on the particular vessel. For example, the main criteria for an inland cargo vessel might be low noise and vibration as the crew's cabins are often located above the propeller, whereas an ocean yacht might have high cruising speed and low fuel consumption as the main objectives.

Whatever the requirements, a propeller selected from a standard range will always be a compromise. However, because they can be mass produced, standard propellers will offer the advantages of lower cost and faster delivery. The key aim at Teignbridge is to minimise those advantages. The company's Delcam software helps achieve this objective throughout design and manufacture.

"We start the development program by calculating the ideal configuration, in terms of the diameter, pitch, number of blades, and the style, from the characteristics of the vessel and the requirements of the customer," explained Jerry Aplin, Engineering Manager from Teignbridge. "In general terms, having more blades is slightly less efficient but is smoother and quieter, while the increased complexity means greater cost."

The overall design is produced using a special set of command files developed by Delcam to automate the process. "This automation has been achieved without any loss of flexibility as it is easy to change any parameter and optimise the design," commented Mr. Aplin.

With more boat builders now moving towards 3D design, the propeller models are becoming an increasingly important part of the discussions with the customer. "Firstly, it is much easier to review the proposed design as a 3D model than it is as a series of 2D drawings," explained Mr. Aplin. "Secondly, the designers can incorporate the propeller model into the overall model of the craft. The combined model can be used to check the position and orientation of the propeller in relation to the hull, rudder and brackets to ensure adequate clearances are maintained. Simulations can then be run to predict the performance and also to check that there is sufficient clearance for assembly and repair."

Once the design has been approved, the data is sent to PowerMILL to generate the cutting paths for the patterns. The toolpaths are sent directly to a five-axis CMS TP 328 router. "Even though we had used the Delcam software for many years, we have only gained the full benefits in the three years since we added the five-axis router," said Mr. Aplin. "Before upgrading to the five-axis version of the Delcam software, we looked at all of the other systems out there. None of them could do what PowerSHAPE and PowerMILL can do."

"With the combination of the CMS router and the Delcam software, we have been able to reduce the manufacturing times for a typical pattern by approximately 50 to 75%," claimed Mr. Aplin. "We have moved to using synthetic materials instead of wood so we don't need to coat the finished pattern and wait for the coating to dry; the pattern is also more stable. Overall, we can now produce a pattern from the approved design in days instead of weeks."

"The introduction of five-axis machining with PowerMILL has also improved the quality of the patterns. We work to very tight tolerances and a more accurate pattern produces a casting that needs much less machining, grinding and finishing."

The market for custom propellers has increased as customers have become more demanding over the past ten years. "Boat builders want to be able to offer the best performance to their customers," said Mr. Aplin. "With our Delcam software, we can keep the extra cost of a custom propeller down to a very small percentage of the total cost of the vessel. Similarly, any extra time that is needed to produce a custom propeller is now a small part of the overall project."

Mr. Aplin is optimistic that this healthy situation will continue. "Customers specifying the finest yachts are much more particular about excess noise and vibration," he claimed. "At the same time, with rising fuel prices, commercial operators are becoming more concerned about fuel efficiency. Both these trends will prompt an increased use of custom propellers."

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Ford Motor Company Expands its Autoweb Data Management Solution Into Asia- Pacific Emerging Markets

27 February 2007

Autoweb, a global provider of data management and interoperability solutions for the manufacturing industry, is expanding its CAD data distribution program (FDX) for Ford Motor Company to include emerging markets within the Asia-Pacific region.

Ford Motor Company currently uses a combination of computer-aided design (CAD), computer-aided engineering (CAE), computer-aided manufacturing (CAM), and a proprietary product information management (PIM) database to help enhance product development cycles and quality. These tools combined are referred to as Ford's C3P policy.

Autoweb has supported Ford's C3P deployment globally since 2001, and currently hosts secure data exchange between over 1,200 Ford suppliers and 2,300 internal Ford users worldwide. As part of their C3P policy in their emerging market regions, Ford will add 500 Asia-Pacific suppliers to their trading partner network.

"Ford's decision to expand FDX into emerging market countries within Asia-Pacific will enable us to ensure secure, standard, and authorized methods of data exchange are being utilized," stated Suresh Joshi, Senior Manager, Asia Pacific Engineering Services. "Furthermore," he adds, "this business initiative will help integrate the suppliers in the region and offer them the opportunity to expand their business with Ford."

As part of their FDX subscription, these new suppliers will also be permitted access to Autoweb's Global Data Exchange application, AFX, enabling them the ability to securely exchange data with Autoweb's existing community of over 20,000 subscribed AFX users in 40 countries. Additionally, suppliers will have the ability to utilize enhanced services such as CAD translations, and can check data in or out of Ford's Product Data Management System as well as access Ford Standards, currently hosted by Autoweb.

"Autoweb is pleased that Ford Motor Company has taken advantage of the opportunity to leverage their existing Autoweb deployed applications across their emerging markets. All of our tools are designed to provide our valued OEM customers and their suppliers with the ability to easily expand their use globally. Ford can rest assured that their data is being securely transmitted and will now have end to end visibility of proprietary information shared with their suppliers across the globe," stated Nino DiCosmo, chairman, president and CEO of Autoweb.

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Fueltech Selects CATIA PLM Express from Dassault Systèmes

1 March 2007

Dassault Systèmes ([DS](#)) announced that Fueltech Sweden AB, a member of the SAG Group, has chosen CATIA PLM Express to boost productivity. Fueltech designs and manufactures fuel, oil and urea tanks for companies such as Volvo and Scania, and chose CATIA PLM Express because of its ease of use and its design speed, in addition to CATIA being the automotive industry standard.

“There are often several rounds of discussions with customers with respect to a design before reaching an agreement. This is why shortening the product design preparation time becomes crucial,” stated Matthias Nedfors, R&D product manager, Fueltech Sweden AB. “Now by just simply clicking on the buttons or dragging arrows in the drawings, this tedious process is reduced from several days to only one or a few hours. This dramatically shortens construction lead time with not only a more effective product design process but also a much higher level of customer satisfaction.”

“For companies like Fueltech, CATIA PLM Express optimizes product development at every level and is fully compliant with their OEM customers, suppliers, and partners, eliminating the need for additional software integration,” explains Didier Gaillard, managing director, Dassault Systèmes AB. “CATIA PLM Express is powerful, easy to install, and use. It delivers the secure collaborative environment necessary for Fueltech to work closely with various customers and partners in order to produce the right product. And thanks to its built-in scalability, CATIA PLM Express makes it very simple for Fueltech to grow their implementation as their needs evolve.”

Semcon Engineering Solutions provided Fueltech with the CATIA PLM Express license so that they could introduce their latest designs to customers quickly. Fueltech’s investment in CATIA PLM Express will position them as a major international tank supplier by enabling them to work more interactively with their major customers.

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IMP Aerospace Selects CMstat for CP-140

15 January 2007

IMP Aerospace, a Division of IMP Group LTD, Halifax Nova Scotia has selected the CMstat Configuration Management System as it's primary CM/DM system. Initially, CMstat will be supporting the CP-140 "Aurora" program and expand across multiple programs.

CMstat will provide a central "Database of Authority" for all Metadata and associated drawings and documents upon completion of the Legacy Data Migration process, enabling common processes and coordination across multiple programs.

CMstat's standard methodologies provide a fixed price and schedule for each phase of the implementation ensuring rapid deployment and immediate return on investment.

About IMP Aerospace

Since its formation in 1970, IMP Aerospace has earned a reputation as a leader in the field of military aircraft engineering, depot level maintenance, and related specialized services such as technical publications. In addition, IMP Aerospace has developed extensive manufacturing and repair capabilities in avionics and aircraft components.

IMP Aerospace management and operational systems are registered by BSI to be fully compliant with the requirements of ISO 9001:2000, as well as a wide range of Transport Canada and Commercial Standards.

Broad-based technical expertise, well-equipped modern facilities, depth of experience and corporate flexibility make IMP Aerospace a dynamic and successful international competitor.

About CMstat

[CMstat](#) is a leading supplier of COTS Configuration & Data Management solutions to the Aerospace & Defense Industry

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Leading German Consulting Firm - Brunel - Selects Advanced Multidisciplinary Enterprise Simulation Tools From MSC.Software

28 February 2007

[MSC.Software Corp.](#) announced that Brunel GmbH, a Germany-based provider of technology and management consulting, has selected SimXpert to deliver faster, more accurate and more cost-efficient results to customers within the automotive and aerospace industry. With SimXpert, Brunel will be able to leverage a fully integrated, multidiscipline simulation environment for mechanical simulation for its automotive and aerospace customers.

Auto manufacturing is one of the most significant industries to the German economy and German automakers face fierce global competition, making technical innovation and cost efficiency of critical importance. In the face of the increasing complexity of automobile design and the processes required to build them, manufacturers have reduced development time by using SimXpert, which enables shared simulation data across design teams. In order to reduce development time and enable their engineers to test multiple variables simultaneously in a collaborative environment, Brunel selected SimXpert.

"[Brunel](#) has a long history of providing the most innovative technical consulting in the industry. We selected SimXpert because we want to bring our customers the greatest value and most advanced technology on the market," said Carsten Siebeneich, general manager of Brunel in Germany.

"MSC.Software is the leader in the multidiscipline simulation space, so choosing them made perfect sense for our growing practice."

"The partnership between Brunel's world-class domain expertise and MSC.Software's multidiscipline simulation technology is the ultimate win for customers," said Amir Mobayen, Senior Vice President, EMEA for MSC.Software. "We are proud to work with Brunel to deliver the best-of-breed solutions to customers within the German automotive industry."

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Little Me® Children's Brand Finds the Right Fit with Yunique

27 February 2007

[Yunique Solutions Inc.](#) announced that privately-held S. Schwab Company has successfully implemented its plmOn™ product lifecycle and srmOn™ supplier relationship software solutions across its global design, product development, and sourcing operations.

After utilizing three separate product data systems over the past decade, most recently including in-house developed software, the company chose Yunique and has just completed its first full live season of use.

Founded in the early 1900's, S. Schwab Company is the owner and marketer of the Little Me® line of newborn and toddler clothing and today employs more than 400 people across its Cumberland, Maryland (USA) headquarters, New York design/development/sales, and Hong Kong sourcing offices. The company, which recently launched a consumer web store (<http://www.littleme.com>), sources products primarily from Asia and sells them through department stores, specialty shops, and their own Little Me Stores in the United States.

“Unlike many companies that are implementing their first PLM system, we have been working with and improving on product data systems for some time,” said Doug Schwab, Senior Vice President and CIO. “Our previous systems just never quite gave us the user-friendliness and scope of functionality we needed to achieve full buy-in from our teams and vendors. Our criteria for the new system was probably more stringent than most buyers simply because we have so much experience in this area.”

Must-have's identified by Schwab and Applications Specialist / plmOn Administrator Carol Gilmore included a web-based solution that could easily be deployed around the world, an effective interface with factories that would enhance collaboration on costing and specs, a simple-to-integrate computing environment and, perhaps above all else, ease-of-use for everyone. “With Yunique, we found everything that we were looking for,” noted Gilmore. “Because it is so much easier to input, locate, and manage information, the implementation went quite smoothly. Yunique helped us make all of our artwork, bodies, fabrics, prints, sketches, specs, and other product information easily accessible in one system.”

“Yunique's ease-of-use has allowed us to expand the use of PLM into the fashion and technical design departments as well as across our entire supply chain,” added Schwab. “Some of the other systems we evaluated appeared to be very capable, but they were just more complex than what we felt we wanted or needed. With Yunique, all of our global teams find it simple to work with the system to input and access the information they need to perform at their best.”

Since starting with Yunique's plmOn system in the second quarter of 2006, Schwab has also fully integrated the PLM with its sales planning and ERP systems. According to Schwab, “This bi-directional integration has helped us save numerous steps in our process. For example, we can automatically bring images from our product development process into our wholesale planning system; and when we adopt a style in plmOn, it automatically populates the information in our ACS Optima ERP system. Yunique's choice of Microsoft's SQL Server database platform has enabled us to complete these important interfaces without undue complication.”

Yunique's ease of use is also paying off in other ways for Schwab. Gilmore stressed that, “We were very pleasantly surprised with just how easy it is for users to get productive with the system. The amount of training required was minimal. That has really helped us get to where we are in such a short time.”

“Their standard implementation methodology included an extensive analysis of our processes, which was very helpful and gave us a means of benchmarking the time savings,” said Schwab. “Even though we already knew how to get from point A to point B, Yunique has delivered to us a vastly improved vehicle for us to get there. Our people are very comfortable with using it as the system aligns closely with the way they work naturally. Navigating around the system is simple because it works just like the Microsoft products we are all familiar with in our day-to-day jobs. Selecting Yunique has been very good for us - the system just works!”

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MSC.Software's Multi-discipline Simulation Environment Will Standardize Manufacturing at EADS Astrium

1 March 2007

MSC.Software announced that Astrium, worldwide developers of satellite and space technology, will standardize their European simulation processes on MSC.Software's multi-discipline solutions, MD Nastran.

As long term users of a variety of CAE products [Astrium](#) sought to create a fully integrated simulation environment while simultaneously reducing their overall cost of operation. Following a detailed evaluation process, MD Nastran was selected and will be immediately implemented as the standard, across the European Astrium operation. The company also purchased MD Patran licenses.

"In selecting the MD solution environment from MSC.Software, our European operations will benefit from an integrated platform of state-of-the-art simulation technology from a leading and trusted provider," said Mark Hughes, Astrium CAD/CAE Manager, "With a unified MD environment we anticipate a commercial cost saving of 14% in the first 5 years, rising to as much as 50% in the longer term."

By combining the solver technologies of MSC Nastran, Marc and LS-Dyna, MD Nastran delivers the most comprehensive simulation capability available anywhere, offering true multi-discipline simulation in one integrated system. MD Patran is a natural complement, offering direct CAD import and manipulation, with customizable pre-and post-processing capabilities specifically designed around the MD Nastran solver.

The benefits of multi-discipline simulation reach beyond an extensive set of solution capabilities. The single data model eliminates cross-discipline translation errors, and the integrated solution can be more effectively optimized to significantly increase simulation throughput. The MD environment also represents the foundation for a scalable enterprise level evolution, providing the core solution technology for the next generation of MSC products such as SimOffice and SimXpert.

"The evolutionary path from point CAE applications to an integrated enterprise simulation environment is a natural technological and commercial progression for many of our customers," said Amir Mobayen, Senior Vice President, MSC.Software EMEA Operations. "The selection of the MD environment by Astrium follows a number of similar standardization projects in the Aerospace and Defense sectors which will bring significant benefits to European manufacturers and throughout their supply chains."

More information regarding MSC's products and services can be found at <http://www.mscsoftware.com/>.

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Rocky Mountain Composites Successfully Implements SofTech's ProductCenter PLM Solution

28 February 2007

[SofTech, Inc.](#) announced that its ProductCenter™ PLM solution has been implemented company-wide at Utah-based Rocky Mountain Composites Inc. (RMC). As pioneers specializing in the application of advanced composite materials, RMC provides engineering, design and manufacturing services to the aviation, aerospace, government, military and commercial markets. James Winegar, Assistant to RMC's President, is quoted as saying, "Additionally, RMC is the primary supplier of technology and advanced composite structures for SPECTRUM AERONAUTICAL, LLC, developer of a family of new business and personal jet aircraft."

Prior to implementing ProductCenter, RMC had been managing product and design data by utilizing a structured Microsoft Windows file system with read and write privileges. "What started as a search for a PDM package to organize and manage design data was extended to a solution that controls the entire lifecycle of our products," explains Bryan Winkel, Engineering Manager at RMC. "In addition to being a SolidWorks Gold Partner product, which was a requirement for RMC, ProductCenter's low-cost of ownership and flexible licensing model provided us with a solution that was the best value for our money."

In the initial stages of the ProductCenter rollout, RMC focused primarily on the management of SolidWorks product design data using the ProductCenter SolidWorks Integrator. Soon after, RMC deployed the ProductCenter Workflow module as the focus transitioned to productivity improvements within the engineering change order, approval and release processes. "Implementing ProductCenter has provided dramatic improvements, as an example, the engineering change process has been reduced by 50% when compared with how we worked before ProductCenter," states Randy Nate, PLM Administrator and CAD Designer at RMC.

Next up for ProductCenter at RMC will be managing the Engineering Bill of Materials and then expansion into the QA and Purchasing groups. ProductCenter will also play an integral role as RMC works towards AS9100 certification later this year. AS9100 is focused on quality system requirements for suppliers to the aerospace industry.

"All release documentation, not only design data but also QA, Manufacturing and Quality/Business Management system documentation and processes will be controlled by ProductCenter," adds Bryan Winkel. "From the top Business Management system processes to standard operating procedures, process specifications and shop floor documents, ProductCenter is and will continue to be a tremendous benefit to the entire organization."

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Sarantel Selects MicroStripes 3D Electromagnetic Simulation Software in \$620,000 R&D Investment

March 2007

Sarantel Ltd., a leading manufacturer of miniature filtering antennas for mobile and wireless devices, has signed a contract worth \$620,000 over three years for multiple licenses of [Flomerics](#)' MicroStripes 3D electromagnetic simulation software.

"MicroStripes is an important tool that has helped [Sarantel](#) become a leader in the design of antennas for personal devices such as mobile phones and navigation systems," said Oliver Leisten, Chief Technology Officer for Sarantel. "These extra licenses will further shorten our product development cycle and increase our product performance advantage over competitors."

Sarantel will scale up its use of MicroStripes software to simulate unique dielectrically loaded antennas – a technically very difficult task, according to Leisten.

"MicroStripes' unique octree meshing technology and its ability to simulate frequency-dependent dielectric materials makes it the ideal solution to model the complex detail and high dielectric loading that characterize our antennas," he explained.

Sarantel's GeoHelix GPS antenna helps maintain a slim form factor without compromising GPS accuracy or performance. Sarantel's antenna technology is especially ideal for multi-functional wireless products where a number of radio systems such as GSM, GPS, Wi-Fi and Bluetooth may be operating simultaneously in a tight space.

"It's a very complex challenge to design a high-performing antenna for a personal device because the human body itself acts as a dielectric and interferes with the antenna's performance," said Leisten. "To simulate an antenna which is close to a person's body you need to generate an impulse at time zero and watch it ripple through the model until it achieves a steady state. Normally most of the energy would be dissipated in the person's body which would detract from the performance of the antenna. Our antennas have a dielectric core that conserves energy that would otherwise be wasted.

"We have used MicroStripes to design our entire product line and it has been one of the keys to our success. We have fully automated the antenna design process by creating our own specific software that rapidly explores the design space and iterates to an optimized design.

"Our software launches [MicroStripes](#) and uses it to evaluate the antenna performance. We perform an experiment that runs 10 or so iterations simultaneously on a dual-core 64-bit Opteron processor machine. These experiments typically determine the effects of two different variables on antenna performance as well as the interactions between these variables."

Leisten added: "In the thirteen years that I have used MicroStripes, it has consistently shown an unmatched level of accuracy over other EM solutions."

"At the end of a series of experiments, we have typically optimized the antenna design. Then our software generates CAD files of the optimized design. These CAD files are used to drive a laser lithography machine that produces the physical antenna. The high accuracy of MicroStripes means that further design changes are rarely required during the physical prototyping process, accelerating our time-to-market. The new licensing agreement with Flomerics gives us a unique advantage by enabling us to evaluate as many antennas design as we wish simultaneously. This will make it possible to ramp up our product development process by designing more new antennas in less time, keeping us at the cutting-edge of the technology. "

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Submersible Vehicle Designed in SolidWorks and COSMOS to be Used in Antarctica

26 February 2007

Researchers at the McMurdo Station in Antarctica will soon be able to safely study beach-ball sized jellyfish and other strange aquatic species thanks to a new remotely operated vehicle (ROV) designed in SolidWorks® 3D CAD and COSMOS® design analysis software. The device will allow researchers, sponsored by the National Science Foundation, to learn more about marine life at great depths in one of the most extreme habitats on the planet.

Diving in water temperatures dropping to four degrees below zero is dangerous and limited to only a 10-mile radius of the year-round scientific community at McMurdo Station. Dive holes can freeze over, currents can be difficult to swim against, and divers can only safely swim to 130 feet deep. But to study ecosystems deeper in the ocean and farther away from the base, scientists needed to develop an ROV. Chief Engineer Robert Zook purchased SolidWorks Office Premium from authorized SolidWorks reseller GoEngineer, who shipped the software to Zook in the Antarctic. With [GoEngineer](#)'s guidance and SolidWorks tutorials, Zook taught himself how to design an ROV that will allow engineers to study the ocean floor 1,000 feet deep and further away from McMurdo before donning dry suits.

“Our location means we often have to be jacks of all trades, learning new skills on our own,” said Zook. “I drove myself crazy trying to figure out AutoCAD. When it became apparent it would take too long to learn how to design what I needed, I tried SolidWorks. Within a couple of days I was able to take a part, throw holes in it, slice it open, and look inside to see where the voids and key stress points were. SolidWorks allowed me to create a completely different ROV for our environment. We’ll be able to see things no one else has seen up close.”

The Submersible Capable of under Ice Navigation and Imaging (SCINI) has motors and a long umbilical cord that will let it go much deeper than human divers, while its high resolution camera will provide detailed images of the ocean floor and experiments first begun 30 years ago. “The SCINI had to be portable and modular so that if something broke down, we could easily fix it on the ice,” said Zook. “SolidWorks made designing the complex motors and wiring straightforward and free from errors.”

Zook used COSMOSWorks® Designer (included in SolidWorks Office Premium) to ensure the PVC piping that makes up the SCINI's exterior stands up to 500 pounds per square inch of pressure in the depths of the Southern Ocean around Antarctica. COSMOSWorks Designer also lets him ensure the seals between different modules don't fail under intense pressure in the ocean depths. He uses eDrawings® e-mail-enabled design communication tool to share designs with manufacturers in the U.S. to ensure accuracy. Zook expects to begin testing the SCINI in May.

“Robert Zook is a great example of someone in the field who took some significant challenges head-on and designed a better product than what was commercially available,” said SolidWorks' Vice President of Worldwide Marketing, Rainer Gawlick. “Hopefully, the SCINI will shed new light on an ecosystem that we are only beginning to understand.”

Zook uses authorized [SolidWorks](#) reseller GoEngineer for ongoing software training, implementation, and support.

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Product News

ANSYS Latest Release Features Unique Simulation Technologies and Integrated Solutions

26 February 2007

ANSYS, Inc. announced Version 11.0 of its ANSYS® software. This latest version of the ANSYS family of engineering simulation solutions offers new and enhanced tools and capabilities that enable users to complete jobs efficiently and fully leverage Simulation Driven Product Development for a wide range of applications. This release represents the leading edge in integrated, best-in-class computer-aided engineering (CAE) functionality including advanced analysis, meshing, optimization, multiphysics and multibody dynamics.

The enhancements to ANSYS 11.0 software follow the tradition of making powerful simulation tools available to an increasingly wider range of product developers. "As with previous major product releases, we are pleased that ANSYS continues to deliver according to customer expectations: better and more expansive tools, all in pursuit of true Simulation Driven Product Development," says Jim Cashman, president and CEO of ANSYS, Inc.

Continuing its commitment to provide state-of-the-art solutions, ANSYS introduces new solver technology designed to reduce time when performing transient solutions. Version 11.0 uses Variational Technology (VT) as an advanced predictor-corrector algorithm to reduce the overall number of iterations for nonlinear static and transient analyses. In the CAE field, this kind of analyses traditionally results in long run times - and has discouraged users from performing what-if scenarios that might provide information about how a design performs in the real-world environment. By reducing the overall number of iterations, ANSYS has greatly reduced the solution time for nonlinear static and transient analyses. This capability provides a 2X to 5X speedup for the initial solutions, depending on the hardware, model and type of analysis used. ANSYS® VT Accelerator™ technology makes re-solves 3X to 10X faster for parameter changes, allowing for effective simulation-driven parametric studies of nonlinear and transient analyses in a cost-effective manner.

In order to provide "innovations that work," Florida Turbine Technologies, Inc. - which executes all aspects of turbine engine design and development in the military and commercial aircraft industry - desires transient fidelity early in the design process. "Due to long run times, we usually reserve transient analyses for detailed final design," says Joseph T. Metrisin, lead structures engineer at Florida Turbine Technologies, Inc. "Faster solution options will allow us to perform detailed transient analyses early on in the design process, resulting in more robust designs."

The integration of ANSYS and ANSYS® CFX® technologies in the ANSYS® Workbench™ platform has taken another step forward. With version 11.0, users will be able to set up, solve and post-process a two-way fluid structure interaction (FSI) simulation completely in ANSYS Workbench. The latest release also provides a single post-processing tool. ANSYS Workbench significantly reduces the time needed to obtain solutions to complex multiphysics phenomena.

ANSYS 11.0 has been refined to address some industry-specific needs as well. In the rotating machinery sector, for example, ANSYS leverages the power of its advanced fluids (ANSYS CFX) and multiphysics (ANSYS) software, along with its integration platform (ANSYS Workbench), and combines these with a partner tool (Vista CC Design) that allows users to develop better turbomachines in shorter time. The ANSYS Workbench platform provides an integrated geometry design and analysis system that links all elements of the design process. It is the integration platform for advanced physics capabilities in ANSYS CFX and ANSYS® BladeModeler™ that enable designers to model rotating machinery such as pumps, compressors, fans, blowers, turbines, expanders, turbochargers and inducers. The integration of all these ANSYS solutions into the design process can take weeks out of the CAE process by eliminating manual file transfer, result translation and re-analysis time. The partner tool, initial sizing software used during the preliminary design phase, is from PCA Engineers Limited.

The first step in the turbomachinery design process is to obtain a preliminary design using initial sizing software, given the performance criteria and sizing constraints. At ANSYS 11.0, PCA Engineers Limited's Vista CC Design (CCD) initial sizing software for centrifugal compressors and pumps is included in ANSYS BladeModeler. This is a rapid meanline design program that - when given the compressor duty mass flow, pressure ratio and geometric constraints - configures the compressor scantlings, vane inlet and exit angles, velocity triangles. It also provides essential non-dimensional performance parameters, such as specific speed and specific flow rate on which design decisions can be based.

Turbo Solutions Engineering LLC has experience with a broad range of CAE software. It uses ANSYS solutions to help customers in industries such as aerospace and HVAC to develop new machines. "The recent addition of PCA Engineers' Vista CCD and Vista CPD compressor and pump design software into the ANSYS CFX product line has considerably streamlined our turbomachinery design process," says Nicholas D'Orsi, partner and chief engineer at Turbo Solutions Engineering. By using the Vista interface, we can rapidly complete iterative sizing and performance estimation for centrifugal and mixed-flow turbomachinery. A key feature of this new interface is the transfer of an initial impeller three-dimensional design into ANSYS BladeModeler software. Once inside ANSYS BladeModeler, the analysis features of ANSYS CFX allow for quick optimization of the design."

Integrating meshing technologies and applications to provide the widest selection of meshing tools has been a major focus for ANSYS in the past five years, and the latest release is no exception. ANSYS 11.0 delivers more examples of meshing technology integration and provides physics-based meshing solutions that tailor the mesh for mechanical, electromagnetics, computational fluid dynamics (CFD) or explicit dynamics simulation. Best-in-class meshing technology from ANSYS, ANSYS ICEM CFD™ and ANSYS CFX products has been integrated in the ANSYS Workbench platform to leverage the strengths of the various algorithms to provide an intelligent, flexible and robust solution to meshing.

Based on the defined physics filter, various controls are automatically defined, such as mesh size, mesh transition, mesh uniformity, mesh speed, mesh quality and refinement controls for proximity and curvature. Advanced user controls then are available to exert influence over the mesh when required. This intelligence in meshing allows even the novice user to get a good mesh suited for the defined physics while providing the flexibility of additional controls to improve the solution speed and/or accuracy. The multiple meshing methods, available through advanced options, also provide backup meshing approaches to improve the overall robustness of the meshing solution.

Integration efforts now have been applied in the explicit dynamics arena as well, resulting in a modeling environment for explicit analysis that is much easier to use and more productive. ANSYS AUTODYN® software is a uniquely versatile explicit analysis tool for modeling the nonlinear dynamics of solids, fluids and gases and their interactions. At release 11.0, ANSYS AUTODYN is available for the first time as an integrated tool in the ANSYS Workbench platform. Tightly coupling ANSYS AUTODYN with tools such as ANSYS Meshing and ANSYS® DesignModeler™ provides an environment in which rapid decisions can be made based on results provided only by an explicit dynamics simulation.

A leading developer and manufacturer of ammunition systems as well as missile and space propulsion products, Nammo Raufoss AS uses advanced CAE tools to design and optimize new products. "At Nammo Raufoss AS, we have found that our preferred explicit dynamics tool, ANSYS AUTODYN, is even more useful to us now that it is part of ANSYS Workbench at release 11.0," says Gard Odergardstuen, research and development manager at Nammo Raufoss. "We are saving significant amounts of time by being able to associatively link to our CAD models, mesh and solve them all within the ANSYS Workbench platform. Because we are able to parametrically modify the CAD and re-run a new simulation with a few mouse clicks, we are now able to use the ANSYS AUTODYN results to guide our design efforts."

Another significant new enhancement to legacy ANSYS technology allows CAE users to cut time spent studying design performance on flexible dynamic systems. At release 11.0, ANSYS enhances and assembles its wide array of advanced structural dynamics capabilities, bringing frequency response and time history of flexible structures and dynamic systems together. Users now can select a range of behaviors: from linear to advanced nonlinear fully flexible responses, and all combinations in between, for their design performance simulations.

At Dale Earnhardt, Inc., engineers use ANSYS tools to analyze racecar parts and performance for increased power, speed and safety. "In NASCAR, we are always looking for an advantage that produces a faster and safer race car," says John Klausmeier at Dale Earnhardt, Inc. "The enhanced flexible dynamics capabilities we've found in ANSYS 11.0 are helping us understand what happens to our machines at 200 miles per hour under real transient track conditions. These enhanced ANSYS tools show us not only where some components have failed previously, but also why they've failed. Because ANSYS tools maintain associativity with our CAD vehicle models, fixing the problem is pretty straightforward once we've discovered what is causing them to fail."

The goal of the [ANSYS](#) focused software development road map is to provide customers with the most advanced and reliable engineering simulation solutions available in the industry. Chris Reid, vice president, marketing at ANSYS, Inc., says, "With ANSYS 11.0, we have continued our track record of

adding significant new and enhanced capabilities to address increasing complexity and sophistication - simulation requirements that come from our valued customers as well as the industry in general."

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Avolve Software Adds Support for the NavisWorks NWD File Format and JetStream Freedom Viewer to ProjectDox®

28 February 2007

[Avolve Software](#), developers of ProjectDox® communication and collaboration software, has announced that the new version of ProjectDox fully supports the NavisWorks® NWD file format and the JetStream Freedom viewer from NavisWorks®.

“NavisWorks is truly a front-runner in the area of multi-format 3D visualization and building information model (BIM) data integration — they do it better than anyone,” said Ron Loback, president and CEO of Avolve. “By supporting the JetStream Freedom viewer in ProjectDox, we open the way for project teams to centralize 3D visualization and make it a part of workflow processes — a significant step forward.”

Users can now upload NWD files to ProjectDox for viewing by a project team. When NWD files are selected for viewing during a ProjectDox session, the JetStream Freedom viewer will automatically load on demand. ProjectDox treats the NWD files as any other document, with support for versioning, notifications and workflow associations.

The two companies have agreed to work together to support more of NavisWorks’ advanced graphical and network-based tools for design engineering and construction projects. Support for the Freedom viewer is already available as an update in ProjectDox Service Release 4 and is integrated into the current version, Service Release 5. The companies will also engage in joint marketing and sales activities in the architectural, engineering and construction (AEC) market.

“After reviewing ProjectDox and discussing our mutual product development and market objectives, we discovered considerable synergy and want to take our common visions forward,” said Jonathan Widney, president of NavisWorks Inc. “The combination of ProjectDox and our Freedom viewer take you one step closer to communication that is unhindered by time, geography, application or file format.”

NavisWorks is a customer oriented organization that develops and markets software to enable full exploitation of the benefits of 3D digital designs in the Building, Process Plant and Marine markets.

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Cimatron's New Automated Drill Reduces Programming Time By up to 80%

26 February 2007

[Cimatron Limited](#) announced that CimatronE version 8 would include advanced Automated Drill programming capabilities.

Automated Drill is a user friendly drill programming application supporting 2.5-5 axis manufacturing as well as gun-drilling.

Seamlessly integrated with CimatronE NC, Automated Drill can automatically recognize hundreds of holes within seconds in either 3,4 or 5-axis. Advanced hole recognition algorithms take into consideration both geometric and non-geometric hole properties like threads and clearance. Holes are automatically sorted into groups and the system assigns the correct drilling sequence to each hole.

Automated Drill is also fully integrated with CimatronE Mold and Die design, enabling automatic creation of holes with relevant geometric data when catalog parts are added to the assembly.

Unique stock recognition capabilities take into consideration the stock existing above the hole before it is drilled, enabling operators to assign the appropriate drilling sequence for such holes. This is useful in places where drilling is performed before the milling operation and results in unprecedented time saving and elimination of user errors.

"As with all Cimatron solutions, Automated Drill was designed from the ground up with users in mind," said Danny Haran, President and CEO of Cimatron. "By offering Automated Drill as an organic part of CimatronE, we're further extending our package of automated NC tools that offer powerful productivity-enhancing automation, while still leaving users in full control," he continued. "Unlike other systems that offer users a pre-defined set of drilling sequences, Cimatron's Automated Drill is an adaptive system, offering a user friendly interface to define any new drilling sequence on-the-fly. The user-defined drilling sequences are automatically saved in the system for future use on similar holes, saving up to 80% of programming time according to user reports." he concluded.

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CoCreate Extends Free 3D to International Users

1 March 2007

CoCreate Software, Inc. introduced multi-language versions of the world's first free Dynamic Modeling based 3D CAD software, CoCreate OneSpace Modeling Personal Edition.

CoCreate has localized the English release into German, Italian and Japanese due to overwhelming download demand from over 100 countries worldwide, and extended the program for an additional three months to support these global users.

Users that download and register the software prior to June 30th, 2007 will get it for free. Downloads are available from: <http://www.cocreate.com/free>

Thousands of engineers, designers and students have chosen to experience the extraordinary power of a Dynamic Modeling based approach to 3D product development, the cornerstone of the CoCreate OneSpace Suite.

Nearly all users come from competitive 2D and 3D platforms, introducing them in mass to the high productivity and ease of use standard with a Dynamic Modeling based approach. Additionally, users are able to import existing designs and modify them as if they were native files because CoCreate's environment gives users complete access to geometry and isn't hindered by the inherent limitations of a history tree.

"The incredibly high number of user downloads from outside English speaking countries shows that when geometry is king, 3D CAD is accessible to anyone regardless of the language they speak," said William M. Gascoigne, CoCreate CEO. "This strategic investment to globalize the program will support the 60% of users that are currently outside the US and will dramatically increase their numbers."

CoCreate's program has captured interest from all across the industry, with one quarter of downloads coming from users of competitive 2D CAD applications, and the majority of remaining downloads coming from users of history-based 3D CAD products. These users are fully supported with a complete set of self-paced tutorials, quickstart projects, online help, user forums, and live online chat.

Individuals wanting to learn more about harnessing the power of a Dynamic Modeling based approach to 3D product development are encouraged to watch the on-demand webcast, Achieving Lean Product Development -- The CoCreate Dynamic Difference: <http://www.cocreate.com/rd/dd>.

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EMC Delivers Comprehensive Business Process Management Suite for Optimizing The Broadest Range of Enterprise Processes

26 February 2007

EMC Corporation announced the availability of the EMC® Documentum® Process Suite, a comprehensive business process management (BPM) solution for analyzing, modeling, orchestrating and optimizing a wide range of enterprise processes involving people, systems, content and data. The Documentum Process Suite is the only offering on the market that delivers a complete BPM suite leveraging EMC's comprehensive portfolio of information infrastructure offerings to provide organizations with the ability to manage both processes and the information that drives them.

The introduction of the Documentum Process Suite marks the integration of the process analysis and business activity monitoring software gained from EMC's June 2006 acquisition of Proactivity Inc., with EMC's existing Documentum business process management capabilities.

"The release of the Documentum Process Suite is a prime example of our ability to successfully integrate acquisitions within our existing offerings to deliver additional value to our customers in the form of

complete, end-to-end information infrastructure solutions," said Balaji Yelamanchili, Senior Vice President and General Manager of Content Management & Archiving at EMC. "The Documentum Process Suite enables organizations to maximize their IT investments by better leveraging information to improve business-critical processes within their enterprises."

Designed to work with the Documentum enterprise content management (ECM) platform, the Documentum Process Suite is uniquely positioned to help organizations build solutions for their information-rich processes. The solution allows both structured data and unstructured content to be captured and utilized to improve operational efficiency, then archived and stored to meet regulatory compliance requirements. The software also provides end-to-end process lifecycle management, with capabilities to optimize process performance at each stage in the process lifecycle, from design and analysis through execution and monitoring.

Organizations are already experiencing the benefits of the BPM suite. New York City Department of Health is implementing the Documentum Process Suite to optimize the management of vendor contracts. Hadi Makki, Chief Software Architect at New York City Department of Health said, "As we evaluated various BPM products on the market, it became clear that we needed an end-to-end solution to manage our vendor contracts, which must each go through a complex variety of review and approval processes. The Documentum Process Suite provides the ability to understand and improve the design of our processes, manage the work and inter-departmental interactions that occur within them, and monitor process performance in real time."

The EMC Documentum Process Suite provides

- Process analysis, simulation and real-time performance monitoring that enable business managers to actively understand, control and improve processes that are critical to their operations
- A scalable process execution engine that orchestrates processes involving human, systems and SOA-based integration activities for both high-volume transactional and complex collaborative applications
- Integration with EMC's comprehensive set of capabilities for handling information-rich processes, including: front-end input and capture of paper-based content; e-Forms for data input; in-process management of both structured data and unstructured content; knowledge collaboration environments; and back-end records management, archiving and storage

"Business Process Management suites represent the second generation of BPM-enabling technologies and are a natural advancement to meet end-users' growing requirements for greater degrees of process management maturity and agility," said Gartner analyst Jim Sinur, VP Distinguished Analyst. "BPM suites support business' desire to see and manage their processes across organizational boundaries and, by building in capabilities to support collaboration between IT and business users, give non-technical managers hands-on control of appropriate portions of those processes."

Availability

EMC Documentum Process Suite is available immediately. For more information on EMC Documentum BPM solutions, visit <http://www.software.emc.com/bpm>.

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Flomerics EFD.Pro Now Fully Supports Pro/ENGINEER Mechanical

February 2007

Flomerics Ltd. has announced that EFD.Pro, its Engineering Fluid Dynamics (EFD) analysis software, now supports Wildfire 3 as well as an integrated interface with Pro/ENGINEER Mechanical for structural analysis. EFD.Pro which is embedded in Pro/ENGINEER is used by best-in-class manufacturers to design and optimize products within aerospace, automotive, HVAC, valves, medical device as well as fire protection industries. “Although engineers can rapidly analyze concepts with Finite Element Analysis (FEA) software, they often do not have the accurate loads to apply to the FE model” said Ivo Weinhold, line of business manager, mechanical CFD. “These loads in most cases are due to complex thermal or fluid flow phenomena which the engineer either does not have or receives very late in the design process. Now, Pro/ENGINEER Mechanical users can use EFD.Pro to accurately investigate stresses and deformations due to flow and heat transfer induced loads at the push of a button.”

To help engineers solve problems involving both fluid and structural issues, EFD.Pro results can be applied as loads for structural analysis inside Pro/ENGINEER Mechanical, the popular stress analysis program by PTC. The automated interface, EFD2MECHANICA, significantly reduces the amount of time necessary for preparing analysis models and enables the user to calculate structural damages due to thermal loads. It should be noted that EFD.Pro further complements current Pro/ENGINEER Mechanical thermal analysis capabilities with advanced analyses such as radiation.

In addition, EFD.Pro also supports Wildfire 3 to enable users to take full advantage of the new capabilities offered by this latest release. Therefore, users can use the most up-to-date version of Pro/ENGINEER alongside EFD.Pro.

EFD.Pro is available for immediate shipment. Interested readers may download a free technical demo of EFD.Pro at <http://www.nika.biz>

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Flomerics Further Enhances Productivity of Thermal Design Engineers with Flopack Version 6.2

February 2007

Flomerics has further enhanced the productivity of Thermal Design Engineers with the launch of Flopack V6.2 (<http://www.flopack.com>) - the latest version of its web-based SmartPart library that generates fast, accurate thermal models for IC packages and associated parts. Thermal models created within Flopack

can be instantly imported into Flomerics' Flotherm or FloPCB software to analyse the cooling requirements of electronic components, boards and systems. Key new features contained within Flopack V6.2 include: a major expansion of the power/discrete semiconductor package library; a new parametric rules engine that checks for errors in design data inputs; an enhanced, more accurate model for bond-wires; and overall improved usability.

Commenting on Flopack V6.2, Sarang Shidore, Flomerics' Product Manager for Semiconductor Software Products said, "Providing Design Engineers with productivity gains is the driving force behind all of Flomerics' products. Flopack V6.2 achieves this by continuing to expand its already formidable package portfolio, incorporating new design-friendly features, and by making it even easier for those people who are not usually involved with IC package design to realize substantial improvements in productivity."

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INCAT Signs VAR Agreements with Dassault Systèmes to Become Global PLM Partner

26 February 2007

Dassault Systèmes ([DS](#)) announced that [INCAT](#), a global PLM technology consulting and reseller company, has signed to become a Dassault Systèmes VAR. The new relationship between DS and INCAT is designed to drive increased efficiency and responsiveness for INCAT vis-à-vis its customers, as well as improve the PLM value chain.

"INCAT is thrilled to become a DS VAR. With DS's sales and technical support, we expect to see customers taking fuller advantage of PLM solutions and the competitive edge they lend," says Wolfgang Zoefgen, Director European Operations, INCAT. "We follow the request of our global customers with a global approach also on the software side in addition to our first class service approach. The near future will show how DS and INCAT will deliver higher value to their client base and new customers."

"The new DS-INCAT relationship is win-win-win for both companies and our customers. We deepen our ties with one of the best PLM resellers worldwide, and INCAT gains direct support from the leading PLM solutions developer," says Laurent Couillard, channel director of Dassault Systèmes. "DS is committed to help VARs grow their revenue in the SMB market. In each country, a DS channel organization is set that will implement tailored action plans. In addition to sales and technical support, these can include demand generation, industry-specific packages, and more."

INCAT and DS share the goal to deliver end-to-end PLM solutions to SMBs, which represent half of the total PLM market. DS's CATIA for designing the virtual product, ENOVIA for global collaborative lifecycle management, and DELMIA for virtual production represent the base portfolio of PLM solutions to be sold to SMBs. INCAT will include all in its PLM portfolio, including the most robust and relevant solutions for this market:

- CATIA PLM Express, delivering CATIA excellence affordably and quickly to any size company in any industry, and
- ENOVIA SmarTeam Design Express, an out-of-the-box, multi-CAD PDM solution that is up and running in just days.

The INCAT-DS agreement results from the recently evolved partnership between IBM-DS, whereby DS has begun assuming direct control of the indirect PLM sales channel. This transition is being implemented on a country by country basis and is expected to be completed by early 2008.

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International Launch of TopSolid'Cam 2007

1 March 2007

[Missler Software](#) officially launched TopSolid'Cam 2007 on 01 March 2007. One of TopSolid'Cam's greatest forces is its capacity to manage all machining processes thereby making it one of the only CAM solutions on the market which is able to machine all parts by offering the most suitable machining process. TopSolid'Cam is capable of piloting turning, 2 axes milling, 3 axis milling, 4 & 5 axis continued milling, 4 & 5 axis continued turning, synchronization and complex simulation.

TopSolid'Cam 2007 offers many new functions for all machining operations to reduce machining times, increase part quality and reduce tool costs. The majority of all new functions in the 2007 version respond to requests coming directly from Missler Software customers all over the world. This new version responds more precisely to the need for more precise simulation (and thereby less collisions) and increased productivity. TopSolid'Cam 2007 will be demonstrated on the important French trade fair [Industrie 2007](#) in Lyon, from 06-09 March. Come along and discover TopSolid'Cam 2007 on stand 4D150.

Here are the key improvements in TopSolid'Cam 2007:

Changes in approach and retract movements - The parameters of 3D approach and retract movements can be modified without recalculating the modified operations. This improvement saves hours of calculation work and is notably an interesting improvement for mold makers.

Approach movements and simulation - A new simulation mode has been put in place to identify in place rotations and rotations relating to the RTCP (Rotation tool centre point). This new function enables the operator to define and to edit approach movements as well as interoperation movements. These new operations can be defined in the WCS part, machine or machining and can take into account the RTCP mode or not.

Automatic prevention of collisions in continuous 5 axis machining - For parts which can be machined in 3 axis but which will be machined in 5 axis, TopSolid'Cam offers a function to transform 3 axis tool paths into 5 axis tool paths. Such an operation allows the use of shorter tools which offer better cutting conditions and less vibrations and thereby reduce manufacturing times. Frequently used by mold makers the automatic prevention of collisions in continuous 5 axis machining is now available in TopSolid'Cam 2007. Therefore, the tool orientation is automatically modified in case of collisions or attachment with the part.

2D multi-pocketing - This function, greatly improved on previous versions, enables the detection of grooves and facilitates the detection of faces to be machined. This is an important improvement for the aerospace industry, amongst others, and protects the thin part walls of parts commonly machined by this industry.

Management of multi-function tools - These tools have several different cutting edges accessible by a simple rotation of the tool to put the edge in a good position. Multi-function tools (also known as flash tools) can simultaneously replace, for example, an end side mill, a threading tool and a roughing tool. These tools are increasingly used, nowadays, in machining operations. TopSolid'Cam is one of the first CAM software solutions to address the multi-function tool market.

Insert life management - This new function permits retract movements so that the operator can replace the used inserts when necessary. The programmer has the choice to change the inserts between several convenient moments (at the end of the current pass, the beginning of the following, real-time pass, etc.) The possibility to change inserts when necessary is an important improvement for the machining of hard materials, notably in the aerospace industry.

Possibility to change the speed of the tool depending on the workload of the tool. This new function increases machining productivity (again it is an important improvement in the aerospace sector)

TopSolid'Cam 2007 available in 64 bits - The entire TopSolid product range can now work on 64 bit computers, thereby permitting customers to work on larger projects.

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IRI New Product Innovation and Launch Solutions Deliver Breakthrough Insights That Drive New Product Success

27 February 2007

Recognizing that delivering successful new products that meet the evolving needs of today's changing consumers is both a challenge and an opportunity for consumer packaged goods (CPG) marketers, IRI unveiled its "Product Innovation and Launch" solution suite, which contains solutions that support each stage of the product development lifecycle. The announcement was made at "Summit 2007 – Changing the Game" being held this week at the Wynn Las Vegas.

"To ensure that products fall on the winning side of the success equation, the CPG industry needs comprehensive solutions that help with the development of new product concepts and marketing plans," said IRI President and Chief Executive Officer Scott W. Klein. "The 'IRI Product Innovation and Launch' solution suite gives the industry the ability to effectively identify new product success factors, take pre-emptive steps to effectively build a product's distribution and change launch execution mid-stream."

The "Product Innovation and Launch" solution suite includes established, industry-leading solutions, including BehaviorScan®, IntroSource, AttitudeLink™, IntroCast, and Product Locator.

The suite also includes a new web-based application, IRI New Product Profiler™ and GNPD IRIS, a unique tool launched in early 2007 by IRI and Mintel that integrates IRI point-of-sale data with the

Mintel Global New Products Database. The product allows CPG companies to monitor the sales successes and failures of new products and established brands.

IRI New Product Profiler™

IRI New Product Profiler is an interactive solution drawing upon a new historical product database that empowers CPG marketers to analyze the critical success factors of the strongest new product introductions—many of which were recognized as IRI New Product Pacesetters—since 2002.

The tool supports the planning stage of the product development lifecycle by helping manufacturers and retailers set initial targets for their product launch and marketing plans. It also helps to plan future product launches and set realistic goals for their success.

Unlike other solutions, IRI New Product Profiler integrates key sales, consumer and media metrics with automated analytics and scenario planning to help manufacturers set realistic goals and determine optimal marketing support. The following are just a few of the questions the solution addresses:

- What were the average year one and year two volume sales for new product introductions in this category or segment?
- What marketing factors distinguished successful products from unsuccessful products?
- What was the merchandising and coupon activity on these new products?
- What was the media spending on these new products?
- What is the typical number of SKUs carried for each new product in this category?

For more information on the “Product Innovation and Launch” solution suite visit:

<http://www.us.infores.com>.



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Kubotek USA Forms Premier Partnership With PARTsolutions for Integrated Access to Digital Parts Catalogs

27 February 2007

Kubotek® US announced that the company has entered into a premier partnership with PARTsolutions® LLC, a leading provider of 3D digital catalog publishing and enterprise parts management solutions. As result of the partnership, users of Kubotek USA's KeyCreator® software are now able to select and

configure industry standard and supplier-specific parts from PARTsolutions' extensive library, and place those parts directly into KeyCreator designs.

A seamless interface has been built between KeyCreator 3D CAD design software and PARTsolutions' industry standard and digital parts system. The companies worked closely to ensure the KeyCreator software was able to present a highly accurate and detailed rendering of the PARTsolutions components, indistinguishable from manually created components. Direct support of PARTsolutions digital parts catalogs will save Kubotek USA's mechanical CAD customers time and ensure design accuracy when standard parts are being integrated into a design.

"The ability to quickly find, configure and import specific manufacturers' parts and reuse those components in CAD designs can save product developers significant time and money," said Rob Zesch, president of PARTsolutions. "Direct access to the PARTsolutions digital catalogs from KeyCreator software offers users an avenue into the most up-to-date database of components available from a wide range of manufacturers."

Kubotek USA expects its KeyCreator software customers to gain value from the PARTsolutions technology. Use of part referenced assemblies, especially for parts recurring throughout a design, lowers the memory footprint of the design, thereby speeding modeling operations. Taking advantage of part references also allows users to save time and reduce errors when design modifications require a change to parts used repeatedly throughout the design. As a result, engineers designing assemblies with a large number of supplier components will find the integrated PARTsolutions catalog an ideal solution.

"Our one button integration with PARTsolutions delivers accurate and up- to-date supplier content directly to the KeyCreator user as the data is needed," explained Bob Bean, executive vice president of Kubotek USA. "With the explosion of fragmented data sources scattered across the Internet, locating the right parts is becoming more and more time consuming. Together, Kubotek USA and PARTsolutions are streamlining access and management of part libraries."

Availability

Access to [PARTsolutions](#) for KeyCreator parts libraries is currently available in Kubotek USA's recently released KeyCreator Version 6.3. PARTsolutions for KeyCreator will be available to purchase from select Kubotek USA resellers.

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Lattice Technology Releases new XVL Studio Products

27 February 2007

[Lattice Technology, Inc.](#) announced that XVL Studio 6.3, the newest update in its XVL Studio line of software, is now available.

XVL Studio drives innovation, collaboration, and communication with ultra-compressed XVL, a format which reduces 3D CAD files into lightweight documents. XVL-compressed 3D files can be viewed, measured and annotated outside the design department and used throughout the extended enterprise. XVL Studio solves the multi-CAD problem by allowing users to assemble models from different CAD systems to automatically create new XVL assemblies.

The XVL Studio products enable the sharing of intelligent 3D content throughout the manufacturing enterprise using the free XVL Player as well HTML, Microsoft Office and PDF. XVL Studio 6.3 brings enhanced tools for editing of 3D data and improvements in the interface of measurement, dimensioning and annotation tools. The product is available at 3 levels: XVL Studio Basic, XVL Studio Standard and XVL Studio Pro.

Specific new features include:

- 3D Dimensioning tools
- 3D Annotation Tools
- 3D Measurement tools
- Enhanced User Interface to streamline these processes

"After the design department approves a model, the 3D data can be refined and repurposed for other disciplines. This re-use of 3D data in animated assembly instructions, lightweight 3D drawings and technical illustrations is key in many global manufacturing operations," said Bill Barnes, general manager, Lattice Technology, Inc. "The XVL Studio products allow non-CAD users to access the 3D data rapidly, without having to constantly revert back to the design team for assistance. Using XVL Studio has allowed our customers to realize process improvements and cost savings across their enterprises."

XVL Studio Basic is a full-function 3D viewer with essential editing and authoring capabilities, including measurement, annotation, and cross-sectioning functions. The application creates technical illustrations, 3D part views, 3D assemblies, publishable into 3D PDF, HTML and Microsoft Office.

XVL Studio Standard provides an enhanced level of usability by including animations with key-frame and process definitions.

XVL Studio Pro provides all these tools, in addition to rapid exploration and validation of designs, scalable to very large data sets.

Manufacturers worldwide use XVL Studio to share, prepare, integrate and publish documents that include 3D data and information.

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McLaren Software™ Joins Primavera® Technology Partner Program

13 February 2007

McLaren Software, announced that it has joined Primavera's Technology Partner Program. Primavera Technology Partners are an elite group of software solutions providers who offer integrated solutions for Primavera's target industries.

Through the Technology Partner Program, Primavera works collaboratively with its partners to provide complementary solutions that address the specific business needs of joint customers. "McLaren Software extends the value of Primavera by helping organizations optimize their design, change management processes, and documents, while mitigating risk throughout the project life-cycle" said Michael Zambon, Primavera Alliance Manager.

"By leveraging McLaren Enterprise Engineer's ability to provide insight into the actual status of intellectual work products, including drawings, documents, and presentations," explained Paul Muir, CEO at McLaren Software, "the integration will allow our joint customers to manage all aspects of their large capital projects from one platform."

Enterprise Engineer is a suite of configurable business applications that manages engineering content, as well as the work processes that produce and use this content. Enterprise Engineer supports the engineering process by providing a single point of controlled access to manage the production and use of engineering content, such as: CAD drawings, standard operating procedures, correspondence, email and specifications throughout the lifecycle of an asset or project. Enterprise Engineer features built-in business rules, processes and security feature, and allows users to automate the use of engineering content across the company and with third-party contractors and customers.

McLaren Software develops engineering-centric intellectual work management applications for the oil and gas, process manufacturing, utilities, life sciences and engineering, design and construction sectors. McLaren helps organizations optimize their engineering design and asset change management processes to maximize the value in their engineering documents while mitigating the commercial risk associated with their use.

McLaren's Enterprise Engineer application suite supports the engineering process by providing a single point of control to manage the production and use of project content; including drawings, correspondence, procedures and specifications. Enterprise Engineer will help reduce costs, lower the risk of non-compliance, improve efficiency and accelerate project execution.

For more information, visit <http://www.mclarensoftware.com>.

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SAMSUNG Releases Multilayer Ceramic Chip Capacitor Library for Nexxim and Ansoft Designer

27 February 2007

[Ansoft Corporation](#) and [SAMSUNG](#) (Samsung Electro-Mechanics Co. Ltd.) announced the release of a new model library of SAMSUNG's high-density, miniaturized surface-mount Multilayer Ceramic Chip

Capacitors (MLCC). MLCCs are used for decoupling and temperature compensation in applications where PC board space is limited. They are ideal for new wireless and portable product designs, including notebook computers, mobile phones, PDAs, camcorders, VCRs, telecommunications and test equipment. The new MLCC library allows engineers using Nexxim® and Ansoft Designer® to simulate advanced PCB and hybrid IC designs.

“The rapid advancement of mobile communications and small electronics products is driving demand for parts with ever-higher precision. For example, the slimmer mobile phones currently leading the market are forcing component manufacturers to develop ultra-small parts with very high capacity,” said Kangheon Hur, vice president of SAMSUNG. “We are pleased to team with Ansoft to address customer needs for accurate simulation and manufacturing data so that these high-performance components can be readily incorporated into the next generation of products.”

The MLCC components provide outstanding high-frequency properties, high reliability, low cost and ultra-small size. The new library contains over 400 capacitor models ranging in capacitance values from .5 pf to 47 uf for use with operating voltages up to 50 V depending on chip size (available chip sizes range from 0201 to 1206). Each component model utilizes S-parameter data from actual device characterization to provide excellent accuracy of the capacitor’s electrical response within a Nexxim simulation. Nexxim is able to use the frequency-domain models provided by the S-parameters in both frequency- and time-domain analyses.

The library is available from SAMSUNG’s Web site (<http://www.sem.samsung.com>) and is easy to download (under Products/Capacitors-MLCC/Technical Tool) and configure for use within Nexxim and Ansoft Designer. This site provides Ansoft customers with the ability to search for components by name, performance data or other specification. SAMSUNG will maintain model support and upgrades, while Ansoft will address all customer support for Nexxim and Ansoft Designer.

For more information, please go to http://www.ansoft.com/products/hf/ansoft_designer/designkits.cfm.

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Total Parts Plus Announces China RoHS Labeling Solution

2 January 2007

[Total Parts Plus](#) announced its China RoHS labeling solution.

With the emergence of China RoHS and its deadline looming in March 2007, the labeling requirement is taking center stage. The identification of toxic and hazardous substances must be included on the label for electronic products. To help expedite the process for collecting component substance information and creating the product label, Total Parts Plus has expanded its product offerings to support China RoHS label generation. Within the Parts Plus web-based application, Users can quickly identify the component substances and export the data in a pre-defined label format.

"Total Parts Plus' continued success comes from listening to our customers and giving them solutions they request and need," states John Hsu, Vice President of Engineering for Total Parts Plus. "The China

RoHS Labeling Solution provides a quick and user-friendly means for acquiring the data needed to meet the labeling requirements."

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TransMagic Showcases New CAD Translators for Inventor at Autodesk OTC

2 March 2007

[TransMagic, Inc.](#) announced that it will showcase new plug-in translators for Autodesk Inventor at Autodesk One Team Conference 2007 (OTC). The new Inventor companion products provide direct support for the major 3D CAD file types used in manufacturing and expand the data exchange options available from within Inventor. Autodesk channel partners will have the opportunity to see and experience the integration of TransMagic's multi-CAD support within Inventor. The new product line of individual CAD plug-in translators includes CATIA V4, CATIA V5, Pro/ENGINEER, SolidWorks, UG and more. These TransMagic products are "Certified for Inventor" by Autodesk.

The new cost effective translators work from the Inventor Open and Save menus to provide new options for interoperability. These translators for Inventor include TransMagic's signature Geometry Repair technology to automatically close gaps and condition models for use in Inventor or any other application. "Our customers have called TransMagic 'the best CAD translator' they've ever used. Now, the Inventor community can add individual CAD formats to Inventor at a very affordable price," said Todd Reade, President of TransMagic. "We invite Autodesk channel partners to meet us at OTC to discuss distribution opportunities for our Inventor companion products."

TransMagic products address the interoperability challenges facing today's designers and reduce the time to accurately transfer 3D data between a wide range of manufacturing related applications. TransMagic's multi-CAD data exchange products are compatible with CATIA V4, CATIA V5, Inventor 11, Pro/ENGINEER Wildfire 3, SolidWorks 2007, UGS NX4, Parasolid V18, ACIS R17, IGES, STEP and more. New features and functionality in TransMagic 2006 SP1 offer significant time savings and process improvement. Existing customers will find enhancements that provide even greater data exchange efficiency. TransMagic's extensive geometry repair tools offer reliable "solid to solid" translation of 3D CAD data.

TransMagic's Market and Customers

TransMagic data translation software is used by firms who need access to multiple data formats for use in their many manufacturing related applications. Market segments include aerospace, automotive, trucking, consumer electronics, semiconductors and marine.

TransMagic has customers worldwide including small companies and industry giants such as ABB, Applied Materials, DaimlerChrysler, Boeing, NASA, Northrop Grumman, Lockheed Martin, Caterpillar, Siemens, and Toyota.

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UGS Announces Femap Version 9.3, the Latest Release of a Popular PC-Based CAE Application

27 February 2007

UGS Corp. announced the release of Version 9.3 of Femap® software, the finite element analysis (FEA) component of the UGS Velocity Series™ portfolio.

Femap Version 9.3 is the latest release of UGS' pre and post processor for engineering FEA. Femap is known for its tight integration with Nastran®, in particular UGS' own NX® Nastran solver. This latest version of Femap continues a 20-year history of productivity and functionality improvements aimed directly at dedicated engineers and analysts.

“One of Femap’s strengths is its depth of integration with the Nastran solvers,” said Bill McClure, vice president, UGS Velocity Series. “This new release serves to significantly increase Femap’s support of Nastran functionality as well as expand user interface extensions and enhancements to modeling capabilities.”

Femap Version 9.3 enhancements add significant new modeling functionality and expand Nastran support and integration through the following:

- new methods of applying loads through data surfaces,
- bolt preload modeling,
- support for a new dynamic design analysis method (DDAM) for shock spectrum analysis,
- increased support for dynamics analysis, in particular complex modes and rotor dynamics, as well as substructuring using superelements, new linear contact options, and fluid modeling using the virtual mass fluid modeling,
- new composite layup modeling interface that allows easy set up of composite plies with interactive calculation of equivalent laminate properties,
- expanded data surface capability to include 1-, 2- and 3-D data surfaces that allow results data transfer to another model for subsequent analysis,
- further extensions to the user interface, in particular the Model Info tree,
- new capability to expand geometric surfaces to solids,
- access to API utilities through “Customer Tools” toolbar, and
- increased post process results control for contouring of partial models.

Femap Version 9.3 will be available this quarter. For more information, visit <http://www.ugs.com/velocity> or <http://www.ugs.com/femap>.

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