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CIMdata News

A New CIMdata Whitepaper—PLM Selection and a Company's Business Model: Selecting the Most Appropriate PLM Solution

14 March 2007

CIMdata consulting and research firm announces the availability of a recently published White Paper entitled "PLM Selection and a Company's Business Model: Selecting the Most Appropriate PLM

Solution”. This paper provides an analysis of one of the significant challenges faced by companies in the fabrication and assembly (F&A) industrial segments as they prepare to launch a Product Lifecycle Management (PLM) program. The challenge lies in determining what role their Enterprise Resource Planning (ERP) system should play in enabling PLM. Peter Bilello, Director of Consulting Services at CIMdata clarified, “The issue for these organizations has less to do with whether to implement PLM or not, but rather how and through which enterprise solution. Should they go with a PLM-focused application, an ERP application’s view of PLM, or a combination of both?”

Mr. Bilello explained that PLM and ERP technologies have emerged from different parts of industry and different parts of the value chain. “This PLM-ERP issue gains visibility when organizations understand both the “information infrastructure” role of PLM, as well as the overlap and conflict with functionalities that are also supported within ERP systems.” Mr. Bilello added, “In coordinating product production activities, the use of ERP systems is necessary to run competitive manufacturing operations. On the engineering side, PLM solutions speed the flow of work and information throughout the product definition lifecycle. The basic objectives of these initiatives are not in question. But the issue lies in how to best utilize their capabilities, and the money already invested to support the organization.”

Based on CIMdata’s research and experience, there is not a single answer to satisfy all situations. “There are multiple approaches to address the PLM-ERP issue. The ones that have been most successful, and there are many, have focused on the true value-added or core competence of the enterprise in question. In this case, what are the core competencies of F&A companies, and how can PLM and ERP solutions best enable a successful PLM strategy.” said Mr. Bilello.

Copies of the “PLM Selection and a Company’s Business Model: Selecting the Most Appropriate PLM Solution” White Paper are available at no cost through the [CIMdata](#) website.

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Company News

Bentley Systems, Incorporated Takes Principal Membership in the OGC®

14 March 2007

The Open Geospatial Consortium (OGC®) (<http://www.opengeospatial.org>) announced that Bentley Systems, Incorporated has upgraded to become a Principal Member in the OGC.

Principal Members have complete authority over the specification release and adoption process through their voting rights in the Planning Committee (PC). It is by PC vote that OpenGIS® Specifications are approved and released by the Consortium. PC Members participate in planning and management of the Consortium's technology development process, evaluate and provide guidance on market direction and Consortium focus, possess Technical Committee voting rights, have approval authority for OGC policies and procedures, and vote to elect members of the OGC Board of Directors.

"The OGC is pleased that Bentley has chosen to assume a leadership position in the consortium's membership," Sam Bacharach, Executive Director of the Outreach Program, said. "We look forward to them applying their expertise in advancing the cause of standardization."

Tim Case of PB (Parsons Brinckerhoff), who chairs OGC's 3D Information Management Working Group, said of the recent OGC Web Services, Phase 4 (OWS-4) interoperability project, "Bentley played a central role in OWS-4 and helped us to demonstrate a framework of interoperability across the lifecycle of building and infrastructure investment involving design, construction, operation and decommissioning."

Carey Mann, Vice President Geospatial Solutions for Bentley, added, "Bentley is pleased to take this central role at the OGC. We have long participated in the OGC and its initiatives and believe the time is right for us to significantly expand our involvement. The broadening of the OGC's scope to spatially enable the wide range of geospatial and engineering disciplines aligns perfectly with Bentley's focus. As user organizations embrace 3D modeled infrastructure and increased operational integration within the enterprise, [Bentley](#) is uniquely positioned to help the OGC advance its vision."

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CAE and CFD Specialist Kevin Colburn Joins CEI to Head Houston Office

13 March 2007

Kevin E. Colburn, a computational fluid dynamics (CFD) engineer and specialist in computer-aided engineering (CAE) with more than a decade of experience, has joined CEI to head the company's Houston office in the role of sales manager. In addition to serving clients within Texas, Colburn will be responsible for new and existing accounts throughout the Southwest. Best-known for its industry-leading EnSight software, [CEI](#) is a developer of simulation software and offers a range of applications for the scientific and engineering community, including tools for meshing, visualization and plotting, image analysis, communicating 3D results, and editing animations.

Colburn, a graduate of Rensselaer Polytechnic Institute in mechanical engineering, comes to CEI from Combustion Science & Engineering, where he served as senior CFD engineer. In previous positions, he served as a CFD engineer at McLaren International, ADAPCO, and General Electric, and brings with him extensive knowledge of computer-aided engineering applications.

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EMC Velocity² Partner Program Drives Solution Selling Across EMEA

12 March 2007

EMC Corporation announced several enhancements to the EMC Velocity² Partner Program for Europe, Middle East and Africa (EMEA). These changes are designed to help EMC partners accelerate their profitability by delivering complete solutions (hardware, software and services) to meet customer needs.

The enhancements highlight EMC's commitment to accelerating partner profitability and improved ease of doing business with EMC through delivering more services revenue to Authorized Network Services Partners, streamlined tiering system, a simplified accreditation process, enhanced training and sales support and a new revenue-based reward program.

The program further addresses the channel's need for more customer-focused solutions with the creation of the EMC Solutions Group. The group will provide EMC's partner community with a quarterly solutions roadmap and appropriate training and marketing materials to deliver those solutions.

Willem Hendrickx, EMEA Vice President, Channel and Mid-market at EMC said "In 2006 we asked our valued partners what enhancement they would like to see made to the EMC Velocity² Partner Program and we listened to their recommendations. This program has been designed with the intention to provide our partners with tools to work more efficiently with their customers and to gain improved profits from doing business with EMC. The Velocity² Partner Program both strengthens our relationships with our current partners and provides the opportunity to welcome new ones."

Partners will also benefit from EMC's renewed focus on the delivering more services opportunities to EMC Authorized Network Services (ASN) Partners. Members of ASN can choose to be certified to deliver a range of EMC's information infrastructure services, including consulting, implementation, integration and support. To aid partners that are interested in achieving certification, EMC has simplified web-based solution-based training, which will reduce costs to partners. ASN certified partners can engage with customers on more projects, enabling partners to capture more revenue per deal.

The Velocity² Partner Program tier structure has been consolidated from five levels to three levels:

Signature Solution Center Partners – Partners with alliance and expertise in Microsoft, Oracle, SAP or Cisco and who own a specialist EMC datacenter with the ability to demonstrate EMC Solutions in these environments

Premier Solution Partners – Partners focused on selling EMC Proven Solutions and that access the program through the EMC distribution network

Affiliate Partners – Partners selling a limited number of EMC products will now have easier access to EMC's Velocity² Program via a simple web-based contract allowing them same day access to sell EMC products via EMC's distribution network

These three tiers ensure every level of partner need is addressed, from a reseller that occasionally sells EMC solutions through to partners that offer a complete EMC experience through dedicated EMC demonstrations at Solution Centers. EMC has also replaced the points-based system, which currently determines at which tier a partner is rewarded, by a system based on revenue.

One of the key foundations of the enhanced Velocity² Program is the creation of Solution Centers for Signature Partners. Signature Solution Center Partners (SCP) will be required to create a Solution Center to showcase EMC's solutions for consolidation, backup, archiving and protection. The Solution Centers

will be used for testing, training, development and demonstrations, ensuring partners can deliver the best possible sales experience for customers.

The accreditation process for each of the tiers has been greatly simplified and streamlined, making it quicker, easier and less costly to become accredited by EMC. Individuals will be able to advance their sales and/or pre-sales technical skills across EMC software, hardware and services without needing to become accredited across all of EMC's product specialties.

The EMC Velocity² Partner Program enhancements will be effective on 1 July 2007.

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EVE Opens Field Operations in India

15 March 2007

[EVE](#) announced the formation of EVE Design Automation Pvt. Ltd., a wholly owned subsidiary based in Bangalore, India, known as EVE DA.

EVE DA is headed by Montu Makadia (Mak), an experienced sales executive who commands strong knowledge of the Indian market. It will market and support the ZeBu (for "zero bugs") hardware-assisted verification platforms of accelerators, emulators and field programmable gate array (FPGA) prototypes.

"The formation of EVE DA continues our strategic expansion into international markets," says Dr. Luc Burgun, EVE's chief executive officer (CEO) and president. "Our ZeBu family has been successfully adopted in North America, Japan, Korea and Europe, and we expect a similar pattern in the Indian market. With its push into the digital media, telecommunications and mobile communications markets, India presents a tremendous growth opportunity for EVE."

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JETCAM Signs New Dealer in Poland

15 March 2007

JETCAM International announced that it has signed Laser Parts, based in Poland, as a new reseller for its sheet metal and aerospace CAD/CAM software for the Polish market.

Laser Parts has been trading for two years, with offices in Lipno and Wroclaw and provides second-hand laser and a range of laser consumables.

Tom Widera, of Laser Parts said, "The number of laser machines in Poland has increased dramatically from approximately 200 in 2004 to five or six times this number today. Every year Polish companies purchase approximately between 50 and 100 new machines, with many more being bought second-hand."

Companies are interested in buying JETCAM as a substitute to expensive and less efficient programs currently available in our market.”

Martin Bailey, Group Marketing Manager for JETCAM International added; “We have seen a massive increase in interest in the region, so Laser Parts joins the JETCAM reseller network at a particularly good time. They now have a product to offer to their existing customer base that can provide demonstrable savings”

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NGRAIN Expands European Presence

12 March 2007

NGRAIN announced its partnership with [usb](#), a German-based consultancy firm delivering customized solutions to the European military and aerospace industry. This partnership will allow European NATO forces and aerospace & defense companies to access training services and products provided jointly by usb and NGRAIN.

Through this new partnership, NGRAIN will now offer its 3D training, maintenance, and logistics solutions to usb's established customer base throughout Germany and the rest of Europe. NGRAIN's technology allows military and aerospace organizations to incorporate interactive 3D equipment simulations into courseware and technical manuals. The partnership with usb positions NGRAIN to take advantage of the international need for 3D performance support solutions, and continue its growth.

"Our interactive Product Lifecycle Management (PLM) solutions allow our customers to organize and integrate the different phases of a product's lifecycle. We're seeing that these types of solutions are shifting away from traditional models and moving towards embedded interactive 3D solutions, an area where NGRAIN has in-depth expertise," said Detlef Haesner, General Manager of usb GmbH. "NGRAIN's unique 3D technology represents a natural extension of our current business. With NGRAIN's product and service portfolios, our interactive training solutions can achieve a higher level of sophistication."

NGRAIN's solutions accelerate learning on complex equipment, which ultimately help reduce maintenance time. Its technology has also successfully increased the safety of military equipment, helping protect the security of armed forces personnel at home and in the field. As the technology is designed to support distributed learning, the solution is also an ideal fit for today's military organizations which increasingly see their troops stationed over wide geographical areas.

"There is a growing European demand for training, advanced logistics solutions, and net-centric interoperable systems. Because usb has been entrenched in the European aerospace industry for more than 10 years, they are an ideal partner for us to work with on meeting this demand," said Paul Lindahl, [NGRAIN](#) President & CEO. "We are looking forward to bringing our solutions to the European military and aerospace market through our work with usb."

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President of ExxonMobil Development Company Focuses on Keys to Successful Project Execution in BE Magazine

14 March 2007

In the latest issue of BE Magazine (<http://www.be.org/>), published by Bentley Systems, Incorporated, Mark Albers, president of ExxonMobil Development Company, highlights seven attributes that open the door to improved performance and excellence in project management and execution: safety leadership, concept selection, technology, execution planning, contracting strategy, project management teams, and change management discipline. Albers concludes with a discussion of strategic fundamentals that can help engineering and construction organizations successfully provide the infrastructure and energy to “not only support the world’s economies, but to help them grow and prosper.”

In the article that follows, titled “Loss Prevention,” PinnacleOne’s Bryan Forbes examines one of the most critical project challenges for owners: limiting unacceptable cost growth during construction. Forbes explains that even though owners expend a lot of energy developing accurate budgets for all phases of a project, they may still find themselves “holding an empty wallet at the end of the construction phase.” Forbes’ advice to owners is practical and to the point. Says Forbes, “It is generally not an owner’s actions that cause the greatest cost growth, but rather a lack of action.”

From these discussions of challenges affecting today’s project participants, BE Magazine moves to the article “Envisioning the Future,” written by Carol Rieg, director of the Future City Competition. Rieg provides candid comments from students taking part in this year’s Future City Competition. Though the aspirations expressed by each student are unique, their remarks share a common theme: They can and will make a difference for future generations. A sidebar highlights the first inductees to the new Future City Hall of Fame, which recognizes Future City Competition participants now pursuing active careers in engineering and related fields.

This issue also brings the second in a series of articles on change management. In “Creating Empowerment Teams Helps Multiply Productivity,” Arnold Most, a project engineer at the Hudson Valley Technology Development Center, discusses the need for companies to handle, manage, and support positive change to enable innovation – which he says is the most potent weapon in today’s arsenal of competitive tools for global organizations. Most outlines four stages of change a company must go through to transform its business and become a world-class leader.

A new department in BE Magazine called BE Gallery features images supplied by MicroStation users that showcase their visualization expertise. The images are hand-picked by Bentley visualization standard-bearers Ray Bentley, executive vice president, software engineering, and Joe Granville, MicroStation product designer responsible for visualization and animation strategy.

In his column “The Last Word,” CEO Greg Bentley emphasizes the critical importance of enabling software interoperability – and then achieving interoperations – for both IT vendors and user organizations. He points to Microsoft’s opening of its formats in Office 2007 as the most publicized

example of a vendor recognizing this win-win gain, and he applauds the huge benefits of such efforts. “Data that has been proprietary and opaque becomes valuable ‘content’ that can be exchanged with – and becomes queryable by – other applications,” says Mr. Bentley. “Users own the data they create, so of course they should have the right and the ability to continue to reap returns from their intellectual property indefinitely.”

He continues, “For infrastructure professionals, their distributed enterprises and the long asset lifecycles make the return on interoperations particularly dramatic. So it’s surprising, and frankly disappointing, to see IT vendors in our space expressly impede interoperability, especially to the point of attempting to threaten what progress has been laboriously accomplished by others.”

Mr. Bentley goes on to express his optimism about improving interoperations, including expanded information reuse for process plant owner-operators, and expanded tool choices for their contractors, through the increasing demand and support for ISO 15926. He explains that much of the credit for the success of this data protocol is due to the FIATECH consortium of owners, contractors, and IT vendors. He adds that Bentley is using an ISO 15926 framework for interoperations across its comprehensive portfolio of plant applications, from front-end engineering design through analysis, detail design, layout, and ultimately operations.

As always, readers of BE Magazine will also find a variety of inspiring user success stories; how-to articles that help architectural, engineering, and construction (AEC) and geospatial professionals as well as owner-operators become better connected and more productive; a global roundup of AEC and geospatial news; practical technical notes; commentary on issues critical to the AEC and geospatial communities; and more.

To experience BE Magazine’s latest digital issue and become a subscriber, go to <http://www.be.org/>. To contribute to the editorial content of future issues, please submit success stories, feature articles, news items, commentary, or letters to BEmagazine@be.org.

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SAP Partner Ecosystem Drives Continuing Momentum for Governance, Risk and Compliance Solutions

15 March 2007

SAP AG announced extensive growth of partner support for SAP® solutions for GRC and its plans to create an executive advisory council to increase GRC collaboration with partners and customers. SAP solutions for GRC promote business viability by unifying corporate strategy, control initiatives, opportunity discovery and loss mitigation across the extended enterprise. The announcement was made at the CeBIT trade fair, being held in Hanover, Germany, March 15 - 21.

Throughout the SAP ecosystem, partners are increasing their support for SAP solutions for GRC. With the combination of Cisco's Service Oriented Network Architecture (SONA) and SAP solutions for GRC,

customers can leverage access and identity intelligence capabilities to quickly detect and help reduce risk throughout the extended enterprise. Deloitte and Protiviti have created dedicated services and practices around SAP solutions for GRC within their organizations to help customers derive optimal value from their GRC implementations. Leveraging the SAP NetWeaver® platform and SAP solutions for GRC, TechniData and VitalSpring have built industry-specific applications to help customers manage industry-specific business processes and regulations.

In response to growing customer needs to improve business controls, manage risks and implement effective GRC strategies, SAP has initiated the creation of the GRC Executive Advisory Council. With this council, SAP aims to bring together customer and partner executives to collaborate on strategies, solutions and best practices that address corporate challenges and efforts to lower costs, reduce risk and protect brand and reputation.

Broad Ecosystem Partner Support for SAP Solutions for GRC

In recognition of the growing importance of GRC issues facing business and IT leaders today, and in support of SAP's leadership position in the space, leading ecosystem partners are enriching and expanding their offerings complementing SAP solutions for GRC. In addition to building dedicated services and practices using SAP solutions for GRC applications, partners are developing cross-industry and industry-specific GRC applications, leveraging the SAP NetWeaver platform and existing SAP solutions for GRC, to assist customers in meeting their enterprise-wide strategic development, risk management and business control needs.

Cisco Systems and SAP continue to collaborate in sales and marketing activities in North America, delivering advanced service offerings designed to accelerate time to value of enterprise architecture investments. The companies offer customers complementary visions of enterprise service-oriented architecture (enterprise SOA) via Cisco SONA Services for GRC -- through Cisco SONA and SAP NetWeaver® – to support successful customer implementations in a wide-variety of enterprise use cases.

Deloitte Touche Tohmatsu (Deloitte) is bringing its broad array of consulting, advisory and implementation services to the SAP GRC ecosystem. A long-time SAP global services partner, Deloitte and SAP recently established a new global GRC program covering solution development, marketing, education, training, sales and delivery. With its deep GRC knowledge, cross-industry expertise and a global footprint, Deloitte is positioned to work with SAP to deliver the full scope of the GRC vision. Deloitte recognized the need for comprehensive solutions to integrate business processes, enable enterprise-wide visibility and support industry-specific requirements for GRC. The combination of Deloitte and SAP brings together the companies' insights, experience and competencies to deliver value-based, business-driven, technology-enabled solutions to address critical GRC needs.

Protiviti, an SAP services provider, is providing its proven methodologies to help companies implement SAP solutions for GRC, including detective and preventative controls, and remediate exceptions and process inefficiencies discovered through their use of these tools.

The benefits companies can derive from Protiviti's expertise include

- improved visibility and management of compliance initiatives,
- improved security administration and provisioning and
- enhanced integration of enterprise risk management efforts.

Through its relationship with SAP, Protiviti is pursuing joint development, sales, marketing and thought leadership to reinforce the company's expertise and experience with SAP applications for access control, process control and risk management.

TechniData AG is working with SAP to help manufacturers and suppliers proactively monitor and improve environmental, health, and safety (EH&S) compliance processes to meet occupational health and safety requirements and reduce risk. The partnership between SAP and TechniData supports chemical safety management, EH&S surveillance, product compliance, and compliance and emissions management. TechniData's solutions and services enable customers to meet requirements related to restriction of hazardous substances (RoHS), corporate social responsibility (CSR), international material data system (IMDS) and global harmonized system (GHS). The company has been a key SAP development partner for more than a decade.

VitalSpring Technologies, an SAP business solutions provider, today announced plans to develop an application that is complementary to SAP's focus on GRC solutions: VitalSpring Integrity. The new application will enable CFOs and other finance executives to extend their current SAP compliance environment to the health benefits expenditure cycle. Financial compliance for healthcare transactions will now be supported with a new set of integrated, automated internal controls, better equipping finance executives to identify and prevent healthcare claims processing and invoicing errors. The new application will also help SAP customers to reach compliance with internal and external audits and to obtain improved insights into healthcare claim expense variances -- ultimately leading to lower risk and reduced costs.

"Companies are facing unprecedented complexity and business risk, and as a result, the need for holistic, cross-enterprise GRC solutions has become a top boardroom priority," said Doug Merritt, executive vice president and general manager, Suite Optimization, SAP AG. "The growth of the GRC market continues to advance at a record pace. To help our customers to quickly address and get in front of their individual GRC challenges, we're making significant additions to our growing and robust ecosystem of industry-leading partners. The continued expansion and development of our GRC initiative and important partner ecosystem will allow customers to reap the benefits of accelerated, collaborative innovation."

GRC Executive Advisory Council

SAP has invited industry-leading customer and partner executives to join and participate in the GRC Executive Advisory Council. The council will provide a forum for global business and IT leaders to gather in a collaborative setting to discuss strategies, solutions and services needed to effectively meet GRC challenges. The council aims to identify high-priority pain points and collectively develop industry-

wide best practices to assist customers in creating an agile IT environment, advanced services and GRC solutions to meet real business challenges.

SAP customers such as Adobe and Chevron and partners such as Cisco, Deloitte, Protiviti and TechniData have already expressed interest in participating in the council. An initial meeting took place with executives from these and other companies on March 11, 2007 on the eve of the GRC2007 conference, held in Las Vegas, Nevada, March 12 - 14. The next meeting is planned to take place in the United States in the fall of this year. Additional forums outside of the United States are also in planning.

SAP solutions for GRC promote business viability by unifying corporate strategy, control initiatives, opportunity discovery and loss mitigation across the extended enterprise. A unified approach to GRC overcomes the challenges of driving corporate strategy, regulatory compliance and risk management across disconnected systems, regions and functions, creating increased business performance and competitive advantage. With the SAP GRC technology foundation, SAP has created a library of tools and components to help guide companies in this approach. The technology foundation enables GRC processes across SAP and non-SAP systems, working together with GRC ecosystem partner content, technology and applications to provide the most effective solution for governance, risk and compliance available today.

For more on the GRC2007 conference, visit <http://www.sapgrc2007.com>.

For more information on SAP solutions for GRC, visit <http://www.sap.com/grc>.

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Warren Harris Named New INCAT CEO

14 March 2007

[INCAT](#) announced the appointment of current President and COO Warren Harris as the company's new Chief Executive Officer, effective April 1. Harris will report to Patrick McGoldrick, Managing Director and CEO of INCAT's parent company, Tata Technologies.

"I look forward to my role as INCAT CEO with excitement and anticipation," Harris said. "My goal is to leverage the best in culture and expertise of our American, European and Asian operations. Successfully completing our transition to a seamless global organization will allow INCAT to maintain and improve our industry-leading position."

Harris succeeds former INCAT CEO Ulrich Herter, who led the organization for more than 18 years. Herter is retiring effective March 31, but will remain affiliated with the company in an advisory capacity.

"With today's announcement, Warren Harris becomes chief executive officer of a Tata Technologies company with a clear path, a solid team and its greatest days ahead," said Patrick McGoldrick. "Now, I

look forward to helping Warren and his extended team to establish INCAT as the world's leading provider of engineering services outsourcing and product development IT services.”

In a March 5 address to INCAT employees, Harris reaffirmed the company's commitment to client service and to its core business. “We remain dedicated to helping manufacturing companies meet their business goals through pragmatic application of our industry knowledge, our service-offering expertise and our technology capabilities, to advance their ability to design and deliver superior products,” he said.

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Events News

CYA Webinar to Discuss How EMC Documentum Users Can Fully Safeguard their Enterprises Against All Types of Information Loss

12 March 2007

CYA® Technologies announced an upcoming Webinar educating EMC Documentum users about how they can fully protect their enterprises against all types of information loss and corruption, as well as about how EMC NetWorker and NMD combined with products from CYA Technologies offers the most complete recovery solution for EMC Documentum.

Event: “Safeguarding EMC Documentum Against Information Loss & Corruption”

In this free, 45-minute educational webinar, real data loss incidents and their impact will be reviewed. Over 80% of data loss is due to incidents of partial loss – significantly more than natural disasters or full system failures.* Participants will learn how CYA® SmartRecovery™ helps enterprises running Documentum to safeguard themselves against partial data loss due to malfeasance, metadata corruption, accidental deletions and programmatic errors with no application downtime, as well as help them ensure compliance with regulatory mandates related to Sarbanes-Oxley, the SEC, HIPAA and the Federal Rules of Civil Procedure.

When:

Wednesday, March 14, 2:00 pm ET

Where:

Visit the Events section at <http://www.cya.com> to register.

*Strategic Research Inc. & AIIM International.

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Dassault Systèmes Announces 2007 Abaqus International Users' Conference

13 March 2007

Dassault Systèmes (DS) announced that invited keynote addresses from Airbus and AVL will highlight the 20th Annual International Abaqus Users' Conference (AUC), being held May 22–24, 2007, in Paris, France. SIMULIA, Dassault Systèmes' brand for realistic simulation, is hosting the three-day event, which features presentations by more than 50 companies and 16 technology partners on their use of simulation technology to accelerate research and product development.

“Realistic simulation has emerged as a true competitive differentiator, enabling companies to evaluate the performance of innovative designs faster and at lower costs,” stated Ken Short, VP Strategy and Marketing, [SIMULIA](#). “The 2007 AUC continues our 20-year tradition of providing a high-quality conference focused on the latest advancements in simulation methods and technology.”

Conference keynote speakers are:

- Dr. Jean-François Imbert, Vice President and Head of Structural Analysis Engineering at Airbus. Imbert is responsible for structure analysis and capability harmonization, improvement, integration, and support for all Airbus sites.
- Franz Zieher, Head of CAE Engineering and Technology, Powertrain Systems, for AVL LIST GmbH, the world's largest privately owned company for the development of powertrain systems. Zieher directs engine analysis activities at AVL.

The 2007 AUC features industry sessions in which leading companies such as Airbus, Dupont, Edwards Lifesciences, Faurecia, General Motors, Haliburton Energy, Intel, LG Chemical, Michelin, Nokia, Toyota Motorsport, Statoil and many more will detail their simulation applications. Attendees will also learn about the latest enhancements to ABAQUS Version 6.7 and future directions for SIMULIA products and solutions.

The conference is sponsored by numerous technology partners, including, CD-adapco Group, Hewlett-Packard Company, IBM Corporation, Intel Corporation, LMS International, Microsoft Corporation, Safe Technology, and SGI. For more details and to register for the 2007 AUC, visit <http://www.abaqus.com/AUC2007>.

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Delcam to Preview New Five-Axis Machining Software at EASTEC

13 March 2007

Delcam will preview new five-axis machining options in both its FeatureCAM and PowerMILL CAM systems at the [EASTEC](#) exhibition to be held in West Springfield, Massachusetts from 22nd to 24th

May. The new version of FeatureCAM will include support for continuous five-axis machining for the first time, while the PowerMILL preview will highlight new automated functionality for machining blades, blisks and impellers.

FeatureCAM 2008 will offer a variety of methods for controlling the tool axis in five-axis machining. The user will be able to set a specific lead and/or lean angle – the lead angle is measured in the cutting direction; the lean angle at right angles to the cutting direction. This can be done either to access areas unable to be reached with three-axis machining or to give better cutting conditions. Alternatively, the tool angle can be set in an orientation either to or from a point or to or from a line.

Any three-axis toolpath generated in FeatureCAM can be converted to a five-axis toolpath by using automatic collision avoidance to change the tool axis when collisions might occur. The software automatically tilts the cutter away from the obstacle by the specified tolerance and then returns the cutting angle to the value set for the overall toolpath once the obstacle has been cleared. Various choices are available to control the direction in which the tool is tilted.

Other new options include five-axis trimming and swarf machining. These techniques are used for the finishing of composite components and vacuum formed parts, and for machining pockets in aerospace structures.

Five-axis drilling is also supported. This new functionality, coupled with the advanced feature-recognition in FeatureCAM, makes it possible to create drilling programs in seconds for multiple hole types and sizes, oriented in a variety of directions.

The new automated functionality in PowerMILL CAM will allow much faster programming of the machining of blisks and impellers. Typically, the new option will allow even complex blisks and impellers to be programmed in around 30 minutes, compared with the many hours of work that would have been needed previously.

The three type of toolpath needed to machine a blade – a roughing toolpath to remove the bulk material, plus separate finishing toolpaths for the blade and the hub – will be produced in a single calculation. A warning is given automatically if the cutter chosen for roughing will not remove sufficient material so that finishing can be undertaken safely.

To further speed the calculation times, if the blades are evenly spaced, PowerMILL will automatically count the number of blades and produce a complete set of toolpaths in a single operation. When the blades have different spacings, toolpaths must first be produced for a single blade and then copied around the hub at the appropriate angles.

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“In Pursuit of Flawless Launches”

March 2007

In the auto industry - we make our launch dates, but what is the cost of making those launch dates, and what is the impact on the rest of the team? Join IQS and QAD for this briefing where, experts from quality, operations, supply chain and other disciplines will review the downstream effects of typical launches on key bottleneck areas:

- Industry change / Revision processes
- PPAP process
- Receiving / Inspection Functions
- Inventory control

Please join this Executive Briefing
“In Pursuit of Flawless Launches”
DETROIT:

Southfield Marriot

March 22, 2007

9:00 a.m. to 4:00 p.m.

This event is being offered free of charge to anyone interested in improving program launch management and reporting strategies.

Please call 800-635-5901 to register for this educational event, visit www.iqs.com to register online.

Agenda

Automotive Product Launches. The cost of making your dates:

- Launch and operational bottlenecks
- Identifying the cause, not the symptom
- Solutions for the root cause

Applying ERP Best Practices

- Centralization
- Connectivity

Bridging the Gap / Closing the Loop

- Bridging engineering to operations
- Quality is the missing link
- Building a Quality Safety Net



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Invention Machine Corporation to Speak at International Conference on Warranty Chain Management

13 March 2007

[Invention Machine Corporation](#) announced its participation at the 2007 third annual Warranty Chain Management Conference in Tampa, Florida, this week, March 13th through 15th. Stephen Brown, the company's vice president of product marketing, will present on 'Knowledge-Enabled Warranty Chain Management', as part of the conference's 'Warranty Analytics' track on Thursday, March 15th.

According to recent studies, the U.S. warranty business alone accounts for more than \$39 billion annually, with roughly two-percent of every sale going to warranty spending. Effective warranty management has the capability to significantly impact a company's bottom line profitability, but Global 2000 manufacturers struggle to minimize lengthy detection-to-correction cycles, due to repeated mistakes that stem from rushing to solve the wrong problem and the lack of visibility to global experience.

"While, as a discipline, warranty management tools and techniques are still in their infancy, solutions do exist that help to significantly reduce defect-time-to-correction and minimize warranty costs", said Brown. "Invention Machine's Goldfire™ software leverages warranty data and other technical knowledge sources to deliver precise access to valuable product expertise, empower faster problem resolution and deliver a common language for communicating design intent across the product life-cycle and departmental functions. "

Invention Machine's presentation: 'Knowledge-Enabled Warranty: Concept Extraction for Expedited Problem Resolution and High Reliability Design' highlights the benefits of semantic processing technologies relative to the extended Warranty Chain, including the ability to:

- Leverage technical knowledge and 'lessons learned' by semantically processing warranty databases, historical reliability data, failure reports, internal design notes, industry literature, and worldwide patent data
- More effectively perform Root Cause, FMEA and Value Engineering analyses – analyses that are typically difficult to perform due to lack of access to subject matter experts, lack of access to industry and corporate experience, and lack of time and structured process
- Leverage warranty data to tie design processes, FMEA and defect resolution processes together to ensure closed-loop design for quality

The annual Warranty Chain Management Conference, sponsored by ALG Associates, attracts over 200 attendees representing more than 100 companies. To register to attend the Warranty Chain Management conference, visit <http://www.algassociates.com/wcm2006/registeropen.html>.

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ISQED'07 Addresses Quality Design Challenges, Trends, and Proven Techniques with Over 100 Paper Presentations

12 March 2007

The eighth annual IEEE International Symposium on Quality Electronic Design (ISQED) announced confirmed keynote speeches by industry leaders from Cadence, iRoC Technologies, Mentor Graphics, NXP Semiconductor, Samsung, and Synopsys who will discuss challenging issues in respects to quality in electronic design. Additionally the conference features twenty-three technical sessions with over 100 papers on various challenging topics related to design, design for manufacturability and quality, panel discussions, tutorials, and exhibits. The conference is being held on March 26-28, 2007 at the DoubleTree Hotel in San Jose, CA, USA.

The technical agenda of this conference will include technical panel discussion sessions, where leading experts, address the important issue surrounding electronic design, design for yield and manufacturability. These panels would focus on the following topics:

- DFM: EDA's Salvation or Its Excuse for Being out of Touch with Engineering?
- Do Digital Design and Variability Mix Like Oil and Water?

Multiple interactive tutorials will also be available for those who desire in-depth, interactive, and focused insight into the various aspects of electronic design. These tutorials will cover topic such as Multi-Gate MOSFET Design, Sub 45nm Low Power Design Challenges, Self-adaptive systems, DFM, DFY, Debug and Diagnosis, DFT and Test, Quality-driven Architecture Synthesis and Power Aware Design of Embedded SoCs and Statistical Static Timing Analysis. For more information regarding the tutorials, conference, vendor exhibitions, workshops, and hotel registration, visit: <http://www.isqed.org/>.

“The ISQED conference continues to be an integral cog in the semiconductor ecosystem where design disciplines – design, manufacturing, and test are reinforced, shared and practiced,” said Dr. Jeong-Taek Kong, senior vice president at Samsung Electronics and ISQED keynote speaker. “The ISQED focus is on the current challenges in achieving quality of design and design methodologies and provides insight into future trends and related issues.”

Powerful Keynotes Headline 2007 Conference

The list of plenary keynoters will offer comprehensive perspective from design, process, and tool methodologies. Keynoters include:

- Marc Derbey, CEO, iRoC Technologies
- Marc Duranton, Senior Principal, NXP Semiconductors
- Joe Sawicki, Vice President and General Manager, Mentor Graphics
- Jeong-Taek Kong, Senior Vice President, Samsung Electronics

- Sanjiv Taneja, Vice President and General Manager, Cadence Design Systems
- Thomas Williams, Fellow, Synopsys

ISQED 2007 media and corporate sponsors and support include EDA Café, Magma Design Automation, Mentor Graphics, SEMI, Silicon Valley Technical Institute, and Synopsys. ISQED 2007 is held in technical sponsorship of IEEE Electron Device Society, IEEE CASS, IEEE EDS, IEEE RS, and in cooperation with ACM/SigDA. The conference is produced and sponsored by the International Society for Quality Electronic Design.

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Mentor Graphics Vice President to Present Keynote at the International Symposium on Quality Electronic Design ISQED

14 March 2007

[Mentor Graphics Corporation](#) announced that Joseph Sawicki, vice president and general manager, Design-to-Silicon Division, will present a keynote address at the International Symposium on Quality Electronic Design ([ISQED](#)) in San Jose, California.

Who: Joseph Sawicki, vice president and general manager, Mentor Graphics Design-to-Silicon Division

What: Keynote address "Forging Tighter Connections Between Design and Manufacturing in the Nanometer Age" presented at ISQED

When: Wednesday, March 28, at 9:45 a.m.

Where: Donner Room, DoubleTree Hotel, San Jose, California

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Mentor Graphics Vice President to Present Keynote at PCB Design Conference West

13 March 2007

[Mentor Graphics Corporation](#) announced that Henry Potts, vice president and general manager, Systems Design Division, will present the keynote address at the Printed Circuit Board Design Conference West (PCB West) in Santa Clara, California. Potts will present "Cross Currents: Where PCB Design Meets ICs and Hardware," on Tuesday, March 27 at 8:00 a.m. Register for the conference online at: <http://www.pcbwest.com/>.

Who: Henry Potts, vice president and general manager, Systems Design Division

What: Keynote address "Cross Currents: Where PCB Design Meets ICs and Hardware," presented at PCB West

When: Tuesday, March 27 at 8:00 a.m.

Where: Santa Clara Convention Center, Santa Clara, California

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ProSTEP iViP Symposium 2007: Enhancing Engineering Networks - Setting Standards Together

April 2007

When: April 25 and 26, 2007

Where: CongressPark in Wolfsburg (Germany)

What: The Symposium offers the members of the ProSTEP iViP Association an opportunity to share developments, experiences and vision with a broad audience composed of representatives from the automotive, aerospace and IT industry as well as from the field of research.

Program: <http://www.prostep.org/en/events/symposium2007/program/070425.htm> (Day 1)

<http://www.prostep.org/en/events/symposium2007/program/070426.htm> (Day 2)

Abstracts: <http://www.prostep.org/en/events/symposium2007/abstracts/>

Registration: <http://www.prostep.org/file/18215.registration>

Exhibition: <http://www.prostep.org/en/events/symposium2007/exhibition/>

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Registration Open for BE Conference 2007

13 March 2007

Bentley Systems, Incorporated announced that registration is open at <http://www.be.org> for BE Conference 2007, being held April 29-May 3 at the Los Angeles Convention Center in California. Those registering by March 23 will receive an early bird discount that reduces the Learning Program fee by \$200 – from \$995 to \$795.

The BE Conference, which consistently scores a 99 percent attendee satisfaction rating, is a once-a-year learning opportunity for Bentley user organizations. It offers:

- Keynotes by Bentley executives on future technology and business trends;
- Hundreds of courses and thousands of hours of accredited learning;
- Best practices sessions from experienced peers and technology experts;
- Hundreds of technology updates across all industries and disciplines;
- An exhibition featuring the latest products and services to help support infrastructure projects;
- A variety of networking opportunities, including the BE Awards of Excellence, the most prestigious awards program dedicated to infrastructure design and management;
- The first BE Executive Symposium – a thought leadership event that brings together executives and researchers to discuss the challenges of global infrastructure.

“Once again, it’s time for learning – on a scale unequaled by any other single learning event in the infrastructure community,” said Maureen Pomeroy, director, Bentley Institute. “Our BE Conference 2007 program features comprehensive, discipline-specific, professional training for Bentley users in the building, plant, civil, and geospatial verticals of the architecture, engineering, construction, and operations market. Bentley Institute will provide more than 600 courses representing close to 1500 learning units of training to help attendees stay current on technology and best practices and advance their careers.”

Continued Pomeroy, “Equally important, attendees can carry back this valuable learning to their organizations to increase productivity, enhance project quality, maximize the return on their investments in software, and help them become more globally competitive. Indeed, BE is a value-packed learning event.”

BE Executive Symposium

The BE Executive Symposium is an invitation-only event that connects industry executives with researchers to discuss and address key challenges to improving the world’s infrastructure. The inaugural 2007 symposium will focus on sustaining infrastructure in the face of today’s critical shortage of engineering resources.

New technology updates

BE Conference 2007 attendees will be updated on the following technologies:

Innovations by MicroStation – including PDF for architecture, engineering, and construction (AEC), CAD standards configuration and management, collaboration across teams, and the ability to link project information across file formats – that deliver significant business advantage to multidiscipline teams requiring interoperability, power, and accessibility in their software portfolio;

ProjectWise – a scalable collaboration system used for connecting people and information across distributed enterprises that includes: ProjectWise Navigator, a visual collaboration client for project review and analysis; ProjectWise StartPoint, which provides entry-level collaboration using Microsoft SharePoint; and ProjectWise Integration Server, which enables projectwide collaboration and content management for distributed teams sharing distributed content and includes servers to accelerate content access, automate the creation of intelligent, portable deliverables, and to facilitate integration with Microsoft Office SharePoint;

Building Information Modeling (BIM) solutions – including automated design and production processes with Bentley Architecture; integrated analysis, design, documentation and fabrication of structural systems with Bentley Structural, RAM, STAAD, and ProSteel; building services design and documentation with Bentley Building Mechanical Systems and Bentley Building Electrical Systems; advanced associative parametric computational design with GenerativeComponents; and effective operational management of space and assets with Bentley Facilities;

DigitalPlant solutions – including AutoPLANT XM Edition; PlantSpace XM Edition; ProjectWise Navigator; AutoPLANT Structural; Bentley’s approach to workflow challenges during front-end engineering; rules-based P&IDs Lifecycle Server interoperability with 2D and 3D design tools; ProjectWise V8 XM Edition; and Bentley’s newly acquired Design Power PlantWise, an automatic pipe routing and plant layout tool used by EPCs during the initial phases of a project for a quick visual of the plant and early cost estimate;

Civil Project Lifecycle – including details on advancing to a more complete road lifecycle; leveraging data into construction; site development and design technology; roadway design technology; surveying; and water resources technology;

Geospatial solutions – including Bentley Map and XML feature modeling; cadastral applications via Bentley Cadastre; Geospatial Server; building public Web sites with Geo Web Publisher; technology solutions for municipal government; communication industry solutions for planning, engineering, and operations; utility solutions for distribution and power delivery with Bentley Electric and Bentley Expert Designer Electric; and water and wastewater engineering, modeling, and management.

BE Awards of Excellence

The BE Awards of Excellence are always a high point of the BE Conference. The BE Awards, which are judged by an independent panel of industry experts and presented at an evening ceremony, honor the extraordinary work of Bentley users improving the world’s infrastructure. These projects set benchmarks for their industries and showcase the imagination and technical mastery of the organizations that created them.

BE Conference attendees

BE Conference attendees will come from AE firms; architecture firms; design-build firms; engineering consulting firms; facility owner-operators; departments of transportation (DOTs); rail companies; site engineering firms; communications and utilities firms; federal government and associated contractors; local governments; public works agencies; plant engineering, procurement, and construction (EPC) contractors; and plant owner-operators. They will include users of Bentley's MicroStation, ProjectWise, AutoPLANT, Haestad Methods, STAAD, and RAM solutions, among others.

Exhibits

The BE Conference experience includes an extensive exhibition of software, hardware, and services designed to support users' infrastructure project needs. On display will be offerings from not only Bentley, but also from a broad range of other organizations serving the infrastructure community.

For more information or to register for BE Conference 2007, being held April 29-May 3 at the Los Angeles Convention Center in California, go to <http://www.be.org/>. Those registering by March 23 will receive an early bird discount that reduces the Learning Program fee by \$200 – from \$995 to \$795.

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Seapine Software Exhibits Powerful Code Quality Tools at 2007 SD West Software Development Conference

15 March 2007

Seapine Software will have a large presence at this year's SD West Conference Expo and will be unveiling its new QA Wizard Professional solution for automating the software testing process. In addition Seapine notes that its recently released product, TestTrack Studio, has been selected as a finalist for a prestigious Jolt award that honors the software development industry's best new products. The Jolt awards winners will be announced at SD West.

The Software Development Conference West (SD West), which runs March 19 through 23 at the Santa Clara Convention Center, is attended by over 2,500 software developers, managers, testers and IT executives. The SD West Expo running March 20 through 22 is where the industry's leading companies show off their latest tools, technologies, services and solutions.

Because of the demands of users, cost pressures, increasing regulation, and the need for bullet-proof applications, software quality continues to be an essential element for developers and managers in IT departments and in companies developing packaged software or software-enabled devices. Seapine Software is focused on delivering quality-centric solutions for the software development process; solutions like QA Wizard Professional 2007 for automating the software testing process and TestTrack Studio for creating, managing and executing software test cases tracking the issues discovered.

QA Wizard Professional 2007 is slated for release next quarter and is in customer beta testing now. TestTrack Studio was released late in 2005; free evaluations of all of Seapine's products can be downloaded at <http://www.seapine.com/>.

QA Wizard Professional 2007 and TestTrack Studio are parts of Seapine Software's suite of software application lifecycle management (ALM) tools. Other tools in the suite include Surround SCM for software configuration management and version control, TestTrack Pro for defect and issue tracking, and TestTrack TCM for test case management.

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2007 Automotive Executive Forum Accelerate Vehicle Programs Using PLM

March 2007

When: Thursday, March 22, 2007

7:30am–12:00pm

Where:

Birmingham, Michigan

The Townsend Hotel

What: Join your peers and industry experts for a half-day seminar offering insight into industry trends with a focus on real world business challenges.

You will learn why successful vehicle programs focus on improvements in program management and program execution to positively impact New Product Introductions.

Who: Hear directly from industry experts:

- **Global PLM authority**, Peter A. Bilello, Director of Consulting Services, CIMdata
- **Automotive consultant and entrepreneur**, Michael Anleitner, President, Livonia Technical Services Company
- **Automotive industry consultant**, Milind Vakhariya, ENOVIA MatrixOne

Why: You will leave the event with a complimentary flash drive and insight into:

- How quality is used as a new product differentiator
- Which business processes in your organization can quickly be improved through PLM

- The value to your business of integrated Advanced Product Quality Planning (APQP), Production Part Approval Process (PPAP), and revision-controlled product information

How: [Register today »](#)

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Financial News

Aspen Technology Completes Restatement and Files Amended Annual Report on Form 10-K

15 March 2007

Aspen Technology announced that it has filed with the Securities and Exchange Commission (SEC) its Form 10-Q for the quarter ended December 31, 2006, together with amendments to its Form 10-K for the fiscal year ended June 30, 2006 and its Form 10-Q for the quarter ended September 30, 2006. The Company is now current in its SEC reporting obligations, as is required by the Nasdaq Listing Qualifications Panel for the continued listing of its common stock on the Nasdaq Global Market. These filings represent the completion of the Company's restatement of previously issued financial statements, as disclosed on February 6, 2007.

The Company reported revenue of \$96.4 million and operating income of \$25.6 million for the quarter ended December 31, 2006, in-line with the preliminary fiscal second quarter results that were announced on February 6, 2007. The Company reported net income applicable to common shareholders of \$25.2 million and diluted income per share applicable to common shareholders of \$0.32 in the quarter ended December 31, 2006, a 300% increase compared to \$0.08 in the prior year's quarter.

Mark Fusco, President and CEO of [Aspen Technology](#), said "We are pleased to bring our SEC filings up-to-date, and to report final results for our quarter ended December 31, 2006. As previously announced, our record financial performance was driven by strong demand for our aspenONE solutions across each major product category, coupled with the positive impact of a number of multi-million dollar transactions during the quarter."

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Cimatron Reports Operating and Net Income in the Fourth Quarter and Full Year 2006

12 March 2007

[Cimatron Limited](#) announced financial results for the fourth quarter and full year ended December 31, 2006.

Cimatron's business and financial results reflect the turnaround of the last two years, in which the Company focused on new product development and reorganization of its global sales and marketing force. The main achievements in 2006 were revenue growth, broadening of the products' offering to new markets and higher profit margins.

Financial Highlights:

Revenues for the fourth quarter of 2006 were \$6.0 million, representing 11% growth compared to \$5.4 million recorded in the fourth quarter of 2005. Software product revenues in the fourth quarter of 2006 increased 23% compared to the same quarter in 2005.

Revenues for the year ended December 31, 2006 were \$21.5 million, compared to \$20.9 million in 2005. Software product revenues for the year increased 7.5% compared to 2005.

Gross Income for the fourth quarter of 2006 was \$5.1 million as compared to \$3.5 million in the same period in 2005. Gross Income in 2006 was \$17.8 million as compared to \$16.0 million in 2005.

Operating Income in the fourth quarter of 2006 was \$366 thousand, compared to an operating loss of \$(1.7) million in the fourth quarter of 2005. In 2006 the Company recorded operating income of \$48 thousand, compared to an operating loss of \$(4.47) million in 2005. The significant improvement in the operating income results mostly from continuous efforts to reduce operating expenses.

Net Income for the quarter was \$557 thousand, or \$0.07 per diluted share, compared to a net loss of \$(1.72) million, or \$(0.22) per diluted share recorded in the same quarter of 2005. For 2006, net income was \$514 thousand, or \$0.07 per diluted share, compared to a net loss of \$(4.59) million, or \$(0.59) per diluted share in 2005.

Commenting on the results, Danny Haran, President and Chief Executive Officer of Cimatron, said, "We are pleased to report operating and net income for 2006 with strong Q4 results. Cimatron's financials for 2006 reflect our efforts to develop and launch competitive products to the entire toolmaking and manufacturing industries, as well as tight expense control and more efficient organization.

Cimatron's subsidiary in China achieved 80% revenue growth in 2006. The Chinese market is the fastest growing target market for Cimatron, and we continue to invest and expand our operation in this strategic market. Other key territories have also performed well in 2006, including the large markets of Germany and Japan. In North America, we are expanding our operations to cover additional markets beyond our strong presence in the automotive industry. Consequently, we have seen strong Q4 results in North America, with 17% revenue growth compared to Q4 of 2005.

The promising CimatronE version 8 was recently released, introducing new and enhanced innovative solutions for die makers, mold makers and discrete parts manufacturers. We are well on track with implementing our long term strategic plan of providing a broad range of products to the entire manufacturing market."

Mr. Rimon Ben-Shaoul, Chairman of the Board of Directors of Cimatron Said, "after several years of re-organization, cost cutting and extensive product development, we believe the Company is now on the right track for sustained growth and profitability, and that Cimatron's current competitive advantages enable us to reinforce our worldwide market positioning, both in emerging and traditional markets."

[Full financials>>](#)

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ESI Group 2006/07 Annual Sales: €66m - Q4 2006 Licence Sales: +11.7%

13 March 2007

ESI Group announced its consolidated sales for its fourth quarter and full year to 31 st January 2007.

Consolidated data

Details of Q4 quarterly sales

(€m)	2006/07	2005/06	% change (real)	% change (volume)
Licence sales	23.1	20.7	+11.7%	+13.9%
Services and other revenue	3.9	4.1	-4.2%	-2.2%
Total Q4 sales	27.00	24.7	+9.1%	+11.2%

Quarter to 31 st January

Sales recorded over the fourth quarter represented 41% of the Group's annual consolidated sales, reflecting the traditional major seasonal effect of our activity.

Sales break down in Q4 as follows:

- buoyant activity for licences, whose sales were up +13.9% on a constant exchange rate basis and +11.7% in real terms,
- a slip of -2.2% for the services activity on a constant exchange rate basis and -4.2% in real terms, a trend that incorporates a significant upturn in this activity in Q4 compared to Q3.

Details of annual sales

(€m)	2006/07	2005/06	% change (real)	% change (volume)
Licence sales	53.2	48.6	+9.5%	+11.2%
Services and other revenue	12.9	13.6	-5.6%	-4.9%
Total annual sales	66.0	62.2	+6.2%	+7.6%

FY to 31 st January

2006/07 annual sales totalled 66.0 million euros, yielding a growth of +6.2% compared to the previous financial year, and +7.6% on a constant exchange rate basis. This growth in activity integrates no changes in perimeter and breaks down as follows:

- a significant acceleration in the growth of licence sales (81% of total sales), which grew by +11.2% in volume terms over the 2006/07 financial year, versus +7.0% the previous year. This good performance illustrates the efficiency of the growth relays contributed by our emerging and innovative products. Licence sales recurrence remains high at 85%;
- a slip in services activity of -5.6% over the financial year, although stable over the first half of the year and in strong recovery in the fourth quarter following previous quarters impacted by

unfavourable conjunctural factors.

Note that the services booking taken from our top twenty clients rose by +14%, illustrating the substantial complementarity of services and licences activities for large OEMs.

The geographical split of global activity (America: 17%; Asia: 36%; Europe: 47%) confirms the remarkable surge of Asia, and validates ESI Group's positioning-strengthening strategy in this geographical zone where international OEMs are increasingly present. Indeed, licence sales recorded in Asia were up +20.6% (+24.5% at constant exchange rates), essentially due to China, Korea and India, despite a slowdown in Japan which was further affected by the weakening Yen.

Alain de ROUVRAY, ESI Group's Chairman and CEO, comments: “ *We are pleased with the growth in our licences activity. In particular, growth was buoyant in Asia, where emerging areas with substantial development potential also contributed to the sectorial diversification of our sales, in particular in the aeronautical sector. Although our services activity was significantly impacted by conjunctural events over the last year, its upturn towards the end of the year resulted from a substantial improvement in the economic climate and the development of certain new sectors such as electronuclear. Services should be further consolidated by the commercialisation of a restructured offer and the launch of promising cofinanced and innovative projects.* ”

For further information, visit <http://www.esi-group.com>.

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Rand Worldwide™ Announces 2006 Financial Results; Driven by acquisitions and organic growth, IMAGINiT sales increase 24%

12 March 2007

Rand A Technology Corporation ("RAND Worldwide™ " or the "Company") announced financial results for the three- and 12-month periods ended December 31, 2006.

2006 Highlights

- Revenue increased to \$106.2 million, up 8.5% from \$97.8 million in 2005
- Revenue from the IMAGINiT business was \$81.9 million, up 24.1% from 2005
- Earnings before interest, taxes, depreciation and amortization ("EBITDA")(1) was \$2.5 million, compared to \$4.0 million in 2005
- Reached a settlement agreement with Parametric Technology Corporation ("PTC")
- Income from continuing operations was \$0.18 per share, including the net gain resulting from the PTC settlement, compared to \$0.06 per share in 2005, and
- Acquired the Autodesk-related assets of Taylor Technologies and i-VEK Technology, and announced intention to acquire CAD/CAM Systems, which subsequently closed on January 2, 2007

CIMdata PLM Industry Summary

"In 2006, we focused our resources on the primary growth drivers of our business and took the necessary steps to position the Company for top and bottom-line growth in 2007," said Frank Baldesarra, President and CEO of RAND Worldwide. "In addition to our organic growth, we have completed six acquisitions in the past two years, adding more than \$25 million in annualized revenue to our IMAGINiT business. These acquisitions have fueled top-line growth, extended our geographic footprint in North America, and enabled us to penetrate new vertical markets, such as media and entertainment. Our IMAGINiT team has solidified its position as one of Autodesk's leading global resellers, and in 2007 we plan on continuing to invest in organic growth and acquisition opportunities in this business."

Mr. Baldesarra continued: "In 2006, we also made progress on two key corporate milestones that should have an impact on our ongoing profitability. In December, we reached a positive settlement with PTC in which we received net proceeds of approximately \$2.9 million in cash and the return of 681,048 RAND Worldwide common shares. And more recently, we announced our intention to sell a majority ownership stake in certain of our European PLM operations. If successfully concluded, through this revised ownership position, we expect to retain the potential to participate in the ongoing growth of PLM deployments within those markets, while preserving relationships with Dassault Systèmes and our European employees and clients. We believe that both of these developments should enhance the 2007 bottom-line performance of the Company and will provide additional resources to invest in the most rapidly growing segments of our business."

Total revenue for 2006 was \$106.2 million, an 8.5% increase from \$97.8 million in 2005. Revenue from IMAGINiT was \$81.9 million, an increase of 24.1% from 2005, while revenue from RAND PLM was \$24.3 million, a decrease of 23.8% from 2005. IMAGINiT generated 77.2% of total 2006 revenue, up from 67.5% of total revenue in 2005. RAND Worldwide generates approximately 70% of its revenue in U.S. dollars and as a result, in 2006, the stronger Canadian dollar relative to the U.S. dollar negatively impacted revenue by approximately \$6 million for the year.

RAND Worldwide's gross profit was 52.5% in 2006, compared to 55.1%, in 2005. Although the overall gross profit percentage decreased year-over-year, both the IMAGINiT and PLM business units' gross profit percentages improved. The overall decrease is due to the impact of the change in business mix, as the higher margin PLM revenue decreased from 32.5% to 22.8% of total revenues.

2006 operating expenses were \$52.0 million or 49.0% of revenue, compared to \$48.5 million, or 49.6% of revenue in 2005. The increase is due primarily to headcount growth in the IMAGINiT business, expansion of facility requirements in growing regions, and opening of new offices in strategic markets.

RAND Worldwide recorded EBITDA of \$2.5 million in 2006, versus EBITDA of \$4.0 million in 2005. Volume driven margin improvements were offset by the change in business mix, foreign exchange impact due to the stronger Canadian dollar during most of 2006, and growth in spending due to increased personnel costs and facilities expansion. The investments in personnel and facilities were made to support the Company's plans for growth. The stronger Canadian dollar relative to the U.S. dollar during 2006 had approximately a \$0.6 million negative impact on EBITDA.

Income from continuing operations in 2006 was \$3.6 million, or \$0.18 per share, compared to \$1.1 million, or \$0.06 per share in 2005. In addition to those items mentioned above, included in the income

CIMdata PLM Industry Summary

from continuing operations for 2006 was the \$2.9 million net gain on the PTC settlement, partially offset by a \$0.4 million charge for the impairment of goodwill. In 2005, income from continuing operations included a \$1.2 million property and equipment write-down and a \$0.6 million charge related to severance and office closures.

Net earnings for 2006 was \$3.6 million, or \$0.18 per share, compared to a net loss of (\$3.4) million, or (\$0.19) per share in 2005. Net earnings in 2006 included the items noted above, while the net loss in 2005 included a loss from discontinued operations of (\$4.5) million related to the sale of certain of RAND Worldwide's European subsidiaries to Dassault Systemes S.A and the closure of select European operations.

RAND Worldwide maintains a strong balance sheet from which it expects to support its anticipated growth activities. At December 31, 2006, the Company had cash and cash equivalents totaling \$13.5 million compared with \$14.3 million at December 31, 2005.

"We are pleased with our liquidity position. Notwithstanding paying \$1.6 million in cash to fund acquisitions during the year, we maintained a strong cash balance throughout fiscal 2006, and were able to generate positive free cash flow," said Peter Gimon, Chief Financial Officer for RAND Worldwide.

"For 2007, we plan on continuing our investment in the business in order to generate profitable growth, while maintaining a focus on cost management."

Subsequent Events and Announcements

On January 2, 2007, [RAND Worldwide](#) announced that it completed the acquisition of certain assets and the Autodesk-related business of Atlantic Canada based CAD/CAM Systems Ltd. CAD/CAM Systems is a leading provider of Autodesk software and associated training, consulting and support services throughout the Atlantic Provinces. CAD/CAM Systems, an Authorized Autodesk Reseller, offers Autodesk products, as well as customized software and support services for the manufacturing, building, civil, and geospatial industries.

On January 31, 2006, RAND Worldwide announced its intention to acquire Dallas, Texas based CADVisions, Inc. CADVisions, an Authorized Autodesk Service and Support Center, is a leading provider of Autodesk software and associated training, consulting and support services, with offices in Dallas, Texas; Wichita, Kansas; and Tulsa, Oklahoma.

On February 15, 2007, RAND Worldwide announced, subject to customary closing conditions and approvals, its plans to sell a majority interest in certain of its European PLM operations to a European-based private consortium (the "Consortium").

Management's discussion and analysis, consolidated financial statements and notes thereto for 2006 can be obtained today from RAND's corporate website at <http://www.rand.com/>. The documents will also be available at <http://www.sedar.com/>.

(1) The Company has included earnings before interest, taxes, depreciation and amortization, and other non-recurring (income) expense ("EBITDA"), which is a non-GAAP financial measurement. EBITDA does not have any standardized meaning prescribed by GAAP and is therefore unlikely to be comparable to similar measurements presented by other issuers. EBITDA is provided as a supplement, and should not be considered an alternative to measurements required by GAAP. Management believes that, in addition to net earnings (loss), EBITDA is a useful supplemental measure as it provides investors with an indication of cash available for distribution prior to debt service, depreciation, amortization, other non-recurring expenses and income taxes. Investors should be cautioned, however, that EBITDA should not be construed as an alternative to net earnings (loss) determined in accordance with GAAP, as an indicator of the Company's performance or cash flows from operating, investing and financing activities or as a measure of liquidity and cash flows. The Company's method of calculating EBITDA may differ from other companies and, accordingly, EBITDA may not be comparable to measures used by other companies. EBITDA is part of the financial and other metrics used by management for purposes of the Company's operating plans.

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Implementation Investments

Alibre Design Pounds the Pavement: The '3D PDF'-enabled modeler put to giant use at Heathrow Airport

12 March 2007

Lower-priced solid modelers have become a popular choice among designers, inventors, and entrepreneurs who have discovered full 3D functionality for only about one-fifth the cost of similar 3D CAD packages that traditionally cater to the big budgets of large engineering departments. With the new ability of solid modelers to speak in 3D PDF, a new 3D-enabled version of the ubiquitous document-sharing format from Adobe, large engineering staffs are beginning to recognize the value-priced tools as ideal for collaborative work.

UK-based construction and infrastructure support provider [AMEC](#) is one of the larger companies that has put an affordable 3D CAD application to work. AMEC has a framework agreement with national airport authority to provide design and construction services to Heathrow International and other regional airports. John Albinson is the Product Development Manager to the Pavement and Infrastructure Team (P&IT).

Although Heathrow stores a great deal of their infrastructure plans in 2D format, Albinson's department, which is tasked with building new additions to infrastructure, still needed early visualization of proposed solutions in 3D. P&IT implemented a solid modeler from Alibre, Inc.

Alibre Design Professional, which costs under US\$1,500, now comes equipped with 3D PDF publishing capability. For a department like AMEC's P&IT, which is not heavily invested in 3D technology, the 3D PDF capability allows everyone in the department to participate in new product development through 3D visualization, without the need to buy a slew of CAD licenses or invest in CAD training.

Models in 3D PDF files may be viewed from any angle or magnification; assemblies may include animated exploded views or sequences of steps to communicate design intent and document assembly processes. Personnel without CAD programs can read the 3D PDF files generated from Alibre Design with the free Adobe Acrobat Reader 7. "The advent of 3D PDF has made the exchange of design ideas out of the design team very easy," reports Albinson. "I now use this export facility extensively."

More Punch for the Pound

Since the software's adoption, Albinson has used 3D modeling to develop over twelve significant products in the last two years. "One of the latest and largest," says Albinson, "is the production of a test machine we call the A390, which fires a piston into objects using compressed air. The machine is used to assess a structure's resistance to impact. The machine was fully detailed in the 3D modeler."

The A390 device is heavy duty to say the least, stretching over 6 meters long, and weighing over 3.25 metric tonnes (7,200 lbs). A 1350 kg piston inside the cylinder acts as a battering ram to test the effectiveness of airport safety barriers, meant to stop errant runway aircraft.

"The airport installs a very large number of protective bollards and barriers at its expanding airports. In order to reduce maintenance, there was a need to more clearly understand the energy absorbing capacity of various protective structures and assess the performance of a new bollard-mounting device currently subject to a patent application. The A390 machine was designed so that deflection of the bollard or barrier can be measured in real time," explains Albinson.

The mammoth machine works like a compressed-air gun. The air chamber within the cylinder is pressurized by an external air source. When the 3-meter-long, 590mm-diameter piston is released via simple mechanical escapement, the result is a powerful thrust, releasing about 80 KJoules of impact energy. Both the movement of the piston and the instantaneous pressure changes are recorded by transducers, which sample at 0.5 microsecond intervals, so that the tests can be later analyzed.

An interesting design challenge involved the main piston cup seal. Machined from hard rubber, the cup seal runs in the steel epoxy-coated tube barrel. Because of the piston's tremendous load on the seal, designers added a set of inner and outer wheels for additional support.

The value-priced modeler had no problem scaling the big gun. Size mattered more to the fabricator, who had an interesting time handling and transporting the extra-large assignment. The fabricators were presented with a full set of 2D drawings with accompanying 3D pictures from the model produced in Alibre Design. The water cut steel sections were profiled using 2D export files.

According to Albinson, use of affordable 3D technology has "completely displaced" the use of hand-drawn detailed concept sketches to describing product to the rest of his team.

Additionally, the parametrics of the solid modeler generates automatic part lists, or bills of materials (BOMs), for the modeled assemblies. "I needed to produce real drawings with BOMs, while providing high quality models for product visualization," says Albinson.

Now that solid modelers have come down in price and their 3D output is more easily shared, engineering staffs have an affordable option for 3D modeling and collaboration that can take on the biggest of projects.

For more information and for a free trial of Alibre Design, please visit <http://www.alibre.com/>.

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BD Plast Filtering Systems S.r.l. speeds product development with CoCreate 3D

7 March 2007

CoCreate Software GmbH announced that BD Plast Filtering Systems S.r.l. recently upgraded its CAD technology, adopting CoCreate's 3D software, OneSpace Modeling.

BD Plast Filtering Systems S.r.l., based in Bondeno Ferrara, designs and manufactures filtering systems. Previously, the company designed all its products using CoCreate's 2D solution, OneSpace Drafting. But recently, BD Plast reached a point where a 3D system would provide better overall development results.

"We had such a positive experience with CoCreate's 2D software and the outstanding support of [CoCreate](#) partner, Next Technologies, we didn't benchmark any other 3D CAD software," says Roberto Pola, technical director at BD Plast Filtering Systems S.r.l. "Our engineers know and like the Drafting software, and we were confident they would work well with the Modeling software as well."

As with many fast-paced businesses like BD Plast, changes can arise late in the design process. Pola notes that CoCreate OneSpace Modeling accommodates those changes as a consequence of its Dynamic Modeling architecture. With Dynamic Modeling, CAD operators work without history or constraints required by traditional systems. As a result, ad hoc changes can be implemented without the limitations of a history tree.

Structural analysis presented one of the major challenges to BD Plast as the company used 2D designs. But Pola says, "We've mastered it perfectly with OneSpace Modeling and its add-on module, FE Analysis."

With the adoption of Modeling and FE Analysis, BD Plast Filtering Systems moves closer to a lean product development environment, one that helps it to remain competitive in its industry.

Lean product development calls for technology that blends easily with existing production tools, but also brings significantly less complexity and more value to design processes. As such, OneSpace Modeling supports features like Dynamic Modeling and rich master models, so designers can attach any information to models, and anyone who uses the model can be sure of the original designer's intent.

"We are already leaner with OneSpace Modeling," says Pola. "I would estimate that we've cut product development cycles in half because of it!"

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Cadence Digital IC Design Platform Enables Global Unichip to Complete Taiwan's First 65-NM Chip Design

11 March 2007

[Cadence Design Systems, Inc.](#) said Global Unichip Corporation, a leading system-on-chip (SoC) design foundry, is the first Taiwan-based design company to complete a successful tapeout of a 65-nanometer device. The success of this 65-nanometer tapeout further strengthened GUC's advanced technology capabilities to serve the top tier customers worldwide. GUC used the Cadence® Low-Power Solution and SoC Encounter™ GXL RTL-to-GDSII system to achieve the tapeout.

"Targeting a 65-nanometer process technology is the state-of-the-art in semiconductor design," said Jim Lai, president and COO of GUC. "Success requires a tightly integrated design environment and an automated low-power design methodology. With comprehensive know-how of advanced technology designs, GUC used the combination of the Cadence Low-Power Solution and Encounter platform to build this low power design with over ten-million gates and implement it within seven weeks, which in turn helps GUC's customer to achieve a significant time-to-market advantage."

The GUC tapeout involved a customer design that is slated to move into production. GUC designed the chip using the Cadence SoC Encounter system, Encounter® Conformal® technology, and CeltIC® SI-aware nanometer delay calculator. GUC achieved higher quality of results using the design-for-yield features and design-for-manufacturing capabilities of SoC Encounter GXL, including virtual CMP and critical area analysis tools.

"We congratulate [GUC](#) on this achievement," said Chi-Ping Hsu, corporate vice president, IC Digital and Power Forward at Cadence. "GUC has clearly demonstrated a leading-edge design and implementation capability that targets advanced processes with state-of-the-art, low-power design techniques, and we are honored to have been part of it."

Many of the tools used by GUC in this design are also part of the Cadence Logic Design Team Solution, which helps logic design teams improve schedule predictability through plan-to-closure management and logical signoff—in an integrated and holistic approach covering both design and verification. It represents another deliverable in Cadence's overall segmentation strategy, offering tailored solutions for specific types of engineering teams.

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Catalog Data Solutions Adopted by Hytec

13 March 2007

Catalog Data Solutions (CDS) announced that [Hytec](#) has adopted its CAD model download solution.

Hytec is a leading manufacturer of hydraulic workholding components including workholding devices such as clamps, work supports and cylinders, as well as power sources, valves and manual pallet systems.

Responding to customer requests for CAD models of its products, Hytec decided to offer 3D CAD models for download from its web site. "We are responding to our customer's requests." said Leah

Strohman, Hytec Global Product Manager. "By offering 2D/3D CAD drawings on our website, we are meeting that need and we are expecting an increase in sales as a result."

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

Studies show that over 90% of designers and engineers now use the Internet to locate components for their new designs. [Catalog Data Solutions](#) helps industrial suppliers and distributors grow sales and strengthen customer loyalty through interactive online catalogs, ecommerce, 3D CAD model delivery and product configurator solutions.

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CENER Selects VISTAGY's FiberSIM® Software for Developing Next-generation Composite Wind Turbine Blades

14 March 2007

[VISTAGY, Inc.](#) announced that international renewable energy leader CENER is using VISTAGY's FiberSIM® software to engineer innovative wind turbine blades made of composite materials. VISTAGY is helping CENER meet the increasing global demand for wind energy solutions by providing 3D CAD-integrated specialized software that streamlines the company's conceptual and detailed design processes to more efficiently develop next-generation composite blades for use on turbines that produce wind-driven energy.

According to the industry analyst firm Composite Market Reports, North American demand for composite blade structures could increase nearly seventeen percent by the end of this year with a total market value of approximately \$1.1 billion. In Europe, composite blade structure demand should increase by ten percent or more in 2007. In light of this expected growth, CENER has combined its design and analysis experience with VISTAGY's composites expertise to develop highly-engineered blades that maximize wind capture and energy transfer.

With FiberSIM, CENER plans to improve early cost and weight estimates by producing conceptual solid models that can be analyzed very early in the design phase. As a result, engineers will ensure final specifications are met prior to the detailed design and manufacturing stages in order to reduce development cycles. In addition, CENER engineers will capture complete, detailed 3D definitions of composite blades and automatically generate documentation to help manufacturing teams create the blades more rapidly, efficiently and accurately.

“CENER evaluated a number of design software solutions, and based on our extensive research, FiberSIM is actually the best software tool for accurately designing complex composite products,” said Mikel Lasa, manager for the Design & Analysis Wind Department at CENER. “Because FiberSIM is completely integrated into our commercial 3D CAD system and the software support team has extensive experience improving its customers’ composites engineering processes, we feel that the VISTAGY solution provides not only the most comprehensive set of tools for detailed composites part development within our familiar engineering environment, but it also promises to deliver a productive working relationship.”

To learn more about CENER, visit the corporate Web site at <http://www.cener.com/>.

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Chartered Leverages PTC® Windchill® to Address Customer Time-to-Market Requirements; Automated Workflows Facilitate 24x7 Development

12 March 2007

PTC announced that Chartered Semiconductor Manufacturing Ltd has expanded its relationship with [PTC](#) by upgrading its Windchill software. Chartered upgraded to a new version of Windchill as part of its continuing efforts to offer customers innovative solutions that address their time-to-market needs.

In 2001, Chartered began to explore ways to further reduce turnaround time for its tape-out operations. Tape-out refers to the final stage of integrated circuit (IC) design when the IC description is sent for manufacturing. To meet customers’ cycle-time needs, Chartered previously employed Windchill 5.0, which fully automated its tape-out process, from control of rule files and batch runs to review and approval of designs. In its latest decision, Chartered upgraded its Windchill system in order to enhance stability and performance over the older version, making it even more flexible for various business needs.

Windchill is a powerful, Internet-based content and process management system that specializes in the management of complex product data, relationships and processes. It provides a unique workflow engine that allows Chartered to facilitate rapid development of new product configurations 24x7 and automate and reduce errors when sharing product data with downstream manufacturing systems.

“Chartered continually evaluates our products and solutions to ensure we best address our customers’ needs,” said Dan Kochpatcharin, director of e-business at Chartered. “PTC Windchill offers a proven solution for Chartered to further enhance our tape-out process because it is designed to eliminate bottlenecks by monitoring running processes and managing activities. Our recent Windchill upgrade provides improved performance and efficiency that should enable us to help our customers improve time-to-market.”

“High tech companies need to shorten production time, deliver more complex products, while managing both design and manufacturing through a heavily outsourced value chain,” said Richard Kulkarni, PTC South Asia Vice President. “Downward pressure on cycle time, new requirements for environmental

regulatory compliance, technological complexity, and increasing reliance on outsourcing are all converging to create more risk in every phase of the product development process. Windchill is optimized to address expanding customer needs, and PTC will continue to help companies manage the process of product development across the extended enterprise.”

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Dassault Systèmes Bags Major Larsen & Toubro Contract

15 March 2007

Dassault Systèmes ([DS](#)) announced it has secured a major order from Larsen & Toubro Limited. The technology-driven engineering and construction giant will adopt cutting edge integrated PLM solutions from DS for its heavy engineering division. DS’s solutions will integrate Larsen & Toubro’s stand-alone design automation and project management tools, increasing efficiency and savings potential across the division.

“L&T believes that product and process innovation are at the core of the company’s ability to compete in the global marketplace. The DS solutions will help give an enhanced focus on value creation and process simplification,” explains Mr. M. V. Kotwal, Director and Senior Executive Vice President Heavy Engineering, Larsen & Toubro. “Working closely with DS fits well with our enhanced thrust in the manufacturing sector. DS’s PLM solutions allow users to create a collaborative workplace that breaks down the barriers between engineering and design functions, accelerating the product development process and bringing about a new level of decision support, innovation and collaboration,” continues Mr. V. K. Magapu, Chief Executive, L&T Infotech and Member of the L&T Board. DS’s end-to-end PLM solution will be implemented by L&T’s IT arm - L&T Infotech.

“Larsen & Toubro operates at the upper end of the technology spectrum and has been at the forefront of introducing new processes, products and materials into the manufacturing sector for over six decades. The company has embraced a long term PLM strategy as critical to maintaining a competitive advantage. As part of its business transformation drive, L&T has extended this to include the collaborative intelligence capabilities of our ENOVIA solutions throughout the product delivery process with customers, partners and suppliers,” says Bruno Latchague, EVP, Dassault Systèmes. L&T will apply DS’s solutions to processes for the shipbuilding business segment. The deployment includes:

- CATIA, for designing the virtual product,
- ENOVIA VPLM, 3D collaborative virtual lifecycle management for highly complex products, resource and manufacturing processes,
- and ENOVIA MatrixOne, collaborative product development business processes for enterprises.

This customer win is the first end-to-end implementation of a recently established partnership between Infotech Limited and DS. Infotech Limited is a wholly-owned subsidiary of [Larsen & Toubro Limited](#)

and has signed an agreement with DS to provide consulting, development and implementation services around DS's end-to-end PLM portfolio.

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Delcam's PartMaker Aids Move into Medical Manufacture

16 March 2007

Using Delcam's PartMaker CAM software has helped Tennessee-based Bell-Memphis, Inc. to move successfully into medical manufacture. Using PartMaker to program all their CNC machines has not only sped up programming but also reduced set-up times.

The company, which was founded in 1942 by Roy Bell, Senior, started out as a contract manufacturer for the war effort during World War II. In the 1950s, it developed a better design for a turn-buckle that greatly simplified the repair and maintenance of aircraft control cables. While aerospace is still the largest part of the business, around 40% is now in the orthopaedics industry.

Bell-Memphis entered the era of CNC in 1997 when newly-hired plant manager Bob Latham convinced the owners that the company had to modernise its manufacturing. Some 10 years later, the company has over 20 pieces of modern CNC equipment ranging from a variety of Star CNC Swiss-type lathes to a number of different types of Mazak and Mori Seiki mills and lathes, plus a Fanuc Wire EDM. This line-up of CNC equipment makes the versatility of PartMaker especially suited to Bell-Memphis.

"The move to medical was a very dramatic change for us," says Mr. Latham. "If you had walked in here in 1997, you would have seen your typically old, dirty manual shop. We've done almost a total transition from that." One helpful tool in making that change has been the addition of the PartMaker software. Bell-Memphis first implemented the system in 2003 and today does virtually all of its programming with the software.

Set-up times were the big issue. "PartMaker has reduced machine set-up times by more than 50% in a lot of cases," according to Mr. Latham. "Using PartMaker, less time is spent at the machine proving out the program. It is beneficial to prove out the program visually and show the operator what approach you are taking to a part."

"With the software, you can develop the whole process from scratch and actually see what the part is going to look like when it comes out. The opportunity to pull in solid models and program from them is also very helpful."

"The biggest bottleneck in programming a Swiss-type machine is balancing out the "wait codes". For me, that was a major nuisance before we got PartMaker. You could spend a day straightening out "wait codes" and getting all your synchronisation right," according to Mr. Latham.

"The impact of PartMaker has been pretty dramatic, especially when we got into orthopaedic parts that we wouldn't have been able to make without the software. For us to try to program some of these parts manually would have been a nightmare."

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Fortune 500 Company Signs 560,000 USD Agreement with Telelogic

13 March 2007

Telelogic announced a three year agreement with a leading Fortune 500 global information and delivery services provider worth 560,000 USD. The agreement includes licenses, maintenance and services for Telelogic DOORS® for requirements management, analysis and definition and Telelogic System Architect® for enterprise architecture and business process modeling.

The customer selected Telelogic as the only provider able to ensure that they can deliver against the challenges of modern governance, enabling them to meet their goal of achieving higher levels within the Organizational Project Management Maturity Model (OPM3).

"The company required a truly integrated enterprise solution, one that met the challenges of this demanding business sector. This is exactly what Telelogic delivers," said Anders Lidbeck, President and CEO of [Telelogic](#). "The combination of Telelogic's superior technology and ability to deliver a complete solution sealed this deal."

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Franklin County, Washington, Joins Bentley's Municipal License Subscription Program

15 March 2007

Bentley Systems, Incorporated announced that [Franklin County, Washington](#), has joined Bentley's Municipal License Subscription (MLS) program. The county will use its new MLS to help increase the level of service to its citizens in areas such as GIS, construction and maintenance support, road and bridge construction and maintenance, and irrigation.

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.

Said Matt Mahoney, design engineer for Franklin County, "Our decision to go with Bentley's MLS program was all about economics and easier, broader access to Bentley's products. We were already convinced that Bentley's software solutions are best able to meet our needs, which is why we've long used MicroStation, InterPlot, Bentley I/RAS B, and most of Bentley's Haestad Methods product line.

"In addition, the service and technical support we receive from Bentley are second to none, and this is a must for a small agency like ours. It's what enables us to get our work completed cost-effectively."

CIMdata PLM Industry Summary

According to Mahoney, one of the most important benefits of the MLS to Franklin County is budgeting efficiency. “We know what our software is going to cost us each year,” said Mahoney. “We don’t have to forecast software needs for each subsequent year, or amend our budgets should we need to increase seats or acquire another product to satisfy new requirements.

“And this translates into another important benefit of our MLS: We can deploy whatever software we want whenever and wherever we need to. Because there are no shared network licenses, we no longer have to wait for someone to exit an application before we can complete our work. If we need another seat or a different software solution, it is available immediately at no additional cost to us.”

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.

Added Mahoney, “Our goal is to deploy new seats of the software we are using currently and to add new software to our solutions set so that we can provide the most efficient and cost-effective services to the citizens within our administrative area. For example, in the near future we are planning to deploy more geospatial solutions, HAMMER for our water infrastructure, PowerSurvey, PowerCivil, InRoads, and DigitalPlant solutions. Without our MLS, and given the realities of tight budgets in a rural county like ours, it’s unlikely that these solutions would even be on the table for consideration.”

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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Global Unichip Expands Use of Magma Software, Adopts Quartz Verification Products for Taiwan’s First 65-nanometer Tapeout

14 March 2007

[Magma® Design Automation Inc.](#) announced that Global Unichip Corp. used Magma’s Quartz™ DRC Litho physical verification product for the first 65-nanometer (nm) tapeout by a Taiwan-based design company. Already a user of Magma’s IC implementation software, GUC used Quartz DRC Litho to quickly and automatically identify hotspots. This capability is critical to ensuring manufacturability in nanometer designs. GUC adopted the Magma software to support its growing focus on deep submicron design services.

Quartz DRC Litho is one of the industry’s first fully scalable physical verification solutions. Leveraging a unique architecture and advanced modeling capabilities, these revolutionary products make massively distributed processing of DRC and LVS comparisons affordable, and they integrate lithography process checks into the physical verification process. Combining this technology with the appropriate processing capability enables verification of virtually any design in a matter of hours.

“Without a sophisticated design methodology and appropriate tools, ensuring manufacturability at 65 nm is a tough challenge,” said Jim Lai, president and chief operating officer of GUC. “We’ve already implemented several 90-nm designs using Magma’s IC implementation system and the Sign-off in the Loop™ technology. This proven track record supports our commitment to improve yield and reduce turnaround time on advanced SoC designs, maximizing our added value to end customers.”

“With ever-increasing design complexity and time-to-market pressures, designers need to be able to identify problems sooner and fix them faster,” said John Lee, general manager of Magma’s Physical Verification Business Unit. “We’re pleased that the combination of Magma’s IC implementation and physical verification solutions helped GUC with this achievement, and to add GUC to the growing list of Quartz DRC, Quartz DRC Litho and Quartz LVS users.”

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Goody's Family Clothing Selects NGC's e-PLM and e-SPS® Software for PLM and Global Sourcing Solution

13 March 2007

New Generation Computing® ([NGC®](#)) announced that Goody's Family Clothing, a leading retailer of moderately priced apparel, has chosen NGC's e-PLM and e-SPS software for an end-to-end global sourcing and PLM solution. NGC, a wholly owned subsidiary of American Software Inc. is a market leader in software for the fashion, apparel and footwear industries, with solutions that include e-SPS for global sourcing, e-PLM for product lifecycle management, and RedHorse(R) ERP software.

[Goody's](#) selected e-PLM and e-SPS in order to give the retailer the ability to track the complete lifecycle of its private-label apparel merchandise. Goody's relies heavily on promotions and advertising, and they needed to improve delivery to its stores, to ensure that advertised merchandise was available on time and with the right quality. NGC's e-PLM and e-SPS software offered the right combination to give Goody's the real-time visibility it required.

"We were impressed with the maturity and features of e-SPS and e-PLM, and we found that NGC's PLM component was very strong," said Joe Geist, director of IT systems, Goody's Family Clothing. "With e-SPS and e-PLM, Goody's will be able to streamline our processes and improve coordination between our offices and overseas vendors, with complete visibility of a style through the product lifecycle."

"NGC is moving quickly to implement e-SPS and e-PLM for Goody's, and we are pleased that they will soon be able to realize the benefits of NGC's integrated, end-to-end PLM and global sourcing solution," said Alan Brooks, president, NGC.

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Hatch Ltd. Adopts Intergraph as Enterprise Standard for Materials Management

14 March 2007

Intergraph Corporation announced that Hatch Ltd., a global provider of consulting and technology services in the energy, mining and metals, and infrastructure industries, will standardize on Intergraph's SmartPlant® Materials, powered by MARIAN®. As Hatch realizes growth in its global engagements, SmartPlant Materials will provide an integrated materials management for its engineering, procurement, construction activities within the organization's overall project delivery suite. This will empower Hatch to drive internal global standardization initiatives and enhance the link between its highly dynamic 3D design environment and the purchasing and logistics operations.

SmartPlant Materials, as part of Intergraph's SmartPlant suite, is a scaleable, Web-enabled offering that lowers total project and installed costs, drives standardization, mitigates risk, facilitates global project worksharing, and enables data re-use throughout the plant life cycle. SmartPlant Materials supersedes MARIAN, Intergraph's market-leading materials management solution for engineering, procurement and construction companies and owner/operators.

“[Hatch](#) is increasingly becoming involved in projects that are international in scope, and we are confident that Intergraph’s technology will meet our needs and help us support our clients on a global level,” said Daryl Ofstie, global practice director, Hatch Ltd. “Intergraph has been a key resource for our operations in Australia for more than a decade. Because of our positive experiences with SmartPlant Materials in Perth, we will commence the global deployment of the solution within our Australian offices, rolling it out to our other global locations thereafter.”

“[Intergraph](#)’s SmartPlant Materials is the trusted solution for optimizing management and control of materials management and controls on process, power, and maritime projects,” stated Patrick Holcomb, executive vice president of Intergraph Process, Power & Marine. “By leveraging this materials management technology, Hatch can look forward to increasing productivity through standardization, saving time and money, and reducing risk across the organization.”

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Hendrick Motorsports Continues Winning Legacy: UGS Technology Helps Team Finish 1-2 at the NASCAR® NEXTEL Cup Series Race in Las Vegas to Reach the 150-Win Milestone

16 March 2007

UGS Corp., announced UGS-sponsored racing team Hendrick Motorsports – whose cars are developed with the help of UGS® PLM technology – won the UAW-DaimlerChrysler 400 at Las Vegas Motor Speedway and seized its 150th NASCAR® Nextel Cup Series win.

Hendrick Motorsports drivers Jimmie Johnson, the 2006 NEXTEL Cup champion, and Jeff Gordon, a four-time NEXTEL Cup champion, finished 1-2. This was Johnson’s third straight win at the Las Vegas Motor Speedway.

Since 1984, Hendrick Motorsports has garnered six NASCAR NEXTEL Cup Series (formerly Winston Cup) championships, three NASCAR Craftsman Truck Series titles and one NASCAR Busch Series crown, making it one of stock-car racing's premier organizations. Rick Hendrick is just the second team owner in NASCAR's modern era to earn 150 Cup Series victories.

“UGS congratulates Hendrick Motorsports and Jimmie Johnson on this milestone win,” said Dave Shirk, executive vice president of Global Marketing for UGS. “Winning 150 races in the highly competitive NASCAR NEXTEL Cup Series requires unsurpassed consistency and commitment to excellence, qualities which are at the core of Hendrick Motorsports and UGS. UGS is proud of our relationship with the racing teams and is pleased to know that our solutions help the teams succeed.”

UGS technology helps Hendrick Motorsports (HMS) maintain a competitive advantage over the competition. HMS uses NX® software, UGS’ comprehensive digital product development solution, to evolve engine and chassis design to continually enhance efficiencies within the engineering department. HMS also uses Teamcenter® software, UGS' digital lifecycle management solution, as its product data management (PDM) platform. Teamcenter enables HMS to harness the power information consolidated from the entire organization – this includes data from computer-aided design (CAD) models, computer-aided manufacturing (CAM) programs, digital simulation results, engine dynamometer, chassis dynamometer, wind-tunnel tests, track test results and marketing and licensing materials – everything

that goes into developing winning engines and cars. Teamcenter gives HMS secure anytime, anyplace access to data - from the track, the shop or on the road - to create and test new ideas and car configurations to rapidly solve problems and win races.

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JAZO Cuts Design Time for Outdoor Transformer Housings from 3 Weeks to 1 Day Using Pro/ENGINEER and EFD.Pro

March 2007

JAZO Zevenaar B.V. used a combination of PTC Pro/ENGINEER from PTC and EFD.Pro from Flomerics to cut 20 days from their design cycle for four new weatherproof, outdoor transformer housings. “The combination of Pro/ENGINEER for solid modeling and EFD.Pro for airflow analysis allows us to test our louvers for form, fit and function effortlessly” said Henry Aaldering, technical director at JAZO. “We can show the finished design to our customer complete with how it will look and work in just one day – that’s a saving of 3 weeks and thousands of Euros for each model. In Holland, physical prototypes may be tested at special organizations but this is slow and rather expensive and a one day session at these organizations costs around €2,500.”

JAZO is widely known for its expertise in designing, manufacturing and marketing protective housings for electricity, gas, telecommunications and boilers. The louvers which are manufactured from aluminum and steel are thin yet quite resilient. These patented structures are flexible and can be customized to fit any height – JAZO has about 50 profiles to match all customer requirements.

While creating their new family of transformer rooms, the team found that minimizing pressure loss was a major design challenge. The rain resistant structures rely on natural ventilation; therefore, pressure loss results in less airflow through the housing and hence higher temperatures. With an extensive range of new designs, creating physical prototypes for each design permutation was not financially feasible. By standardizing on Pro/ENGINEER and EFD.Pro, the JAZO engineering team was able to create and test multiple prototypes quickly.

In addition, the group fed the results from EFD.Pro into Pro/MECHANICA as input for structural analysis. “Using an integrated design, FEA and CFD process has definitely helped us save time and money and given us a competitive edge,” said Aaldering. And it seems their customers agree as JAZO is the leading company in Holland for safety ventilation louvers and facades for utility buildings which have to be ventilated.

Interested readers can register for a [EFD.Pro software demo](#). For additional information about JAZO Zevenaar B.V. please go to <http://www.jazo.nl/>.

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Matsushita Electric Works Brings CyberDome to Life with Dassault Systèmes Solutions; Real-time City Planning Services for Better Living Spaces

14 March 2007

Dassault Systèmes ([DS](#)) announced that Matsushita Electric Works, Ltd. (MEW), a company providing city planning services in Asia-Pacific, enhanced its decision-making product, “VR System for Environmental Product Support”, with DS’s Virtools, a development and deployment platform for interactive 3D content. With this, MEW creates interactive, personalized city planning scenarios very rapidly, literally enabling communities to get a real-life perspective on planning projects and make the right project decisions from the start.

“Before deploying DS’s Virtools, it took us a tremendous amount of man-hours to produce the complex 3D content our customers require, like determining what impact potential changes will have on a neighborhood, such as adding new buildings, shopping centers, responding to current and future environmental needs. We project these scenarios at our full-scaled display facility “CyberDome”, where viewers wear 3D glasses to perceive the complete effects and participate in real-time,” says Ryuichiro Nagahama, general manager, Matsushita Electric Works, Ltd. With Virtools, MEW has drastically reduced this scenario creation time, saving their clients money by moving their project timelines along at a faster pace.

“MEW services the full-range of stakeholders involved in the city planning process: developers, architects, designers, urban planners and even residents. By collectively walking these stakeholders through plans in a realistic virtual environment, the group can make pertinent suggestions on how to improve all aspects of the project being reviewed, and to preserve the environment for the future. This comes from a perspective that before was only possible when it was too late or costly to make changes. All this thanks to the power of interactive real-time 3D,” explains Nikos Calfacacos, general manager, PLM Japan, Dassault Systèmes.

Thanks to its intuitive user interface and building blocks, Virtools is easy to use for laypeople as well as developers. The Virtools rendering engine enables companies to manage huge amounts of content data. In addition to being a key solution for DS’s architecture and construction solutions, the Virtools product line is strategic for DS’s “3D For All” mission, whereby the general public’s daily lives will benefit from realistic 3D interactive experiences.

About Matsushita Denko

Matsushita Electric Works, Ltd. (MEW) traces its roots to the company started in 1918 by Konosuke Matsushita. In 1935 the forerunner of MEW was established to carry on the work of the initial wiring products business. Sharing the same roots is its sister company, Matsushita Electric Industrial Co., Ltd. MEW operates in the six business sectors of lighting products, information equipment and winning products, home appliances, building products, electronic and plastic materials, and automation control products. Their products are used in houses, buildings, commercial and public facilities, and factories to support communications, industrial, and everyday living and working activities.

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MSC.Software Announces That Kimberly-Clark Corporation Standardizes on SimEnterprise for Product and Process Design

13 March 2007

[MSC.Software Corp.](#) announced that Kimberly-Clark Corporation, a leading health and hygiene company, has selected MSC.Software's SimEnterprise, specifically SimManager, as the standard environment for modeling and simulation in product and process design.

As part of its corporate innovation organization, Kimberly-Clark has a team focused on the expanded use of analytics and mathematical models as a means of scientific analysis to make better business decisions. With SimManager's consistent and coherent environment, modeling and simulation can be aligned with global technology platforms across the enterprise to improve collaboration, improve product quality and time to market, and increase return-on-investment.

"[Kimberly-Clark](#) is keen to fully leverage the environment and integration that SimEnterprise offers," said Rob Everett, director of Innovation Center - North Atlantic for Kimberly-Clark. "Our company goal is to continually improve the performance of our products for our customers, delivering total solutions for their needs. This partnership with MSC.Software is another example of our increased use of open innovation, coupling our expertise in product and process models with MSC.Software's experience in simulation lifecycle practices."

"There is a tremendous industry need to address true multidiscipline problems with reliable performance predictions that reduce the need for physical prototypes and provide more accurate and complete results," said Glenn Wienkoop, president and chief operating officer, MSC.Software Corporation. "Simulation information can be used as a tool to help companies ensure that their products are first to market and right to market."

"We are extremely pleased that Kimberly-Clark Corporation has decided to adopt SimEnterprise, specifically SimManager," said William J. Weyand, chairman of the board and chief executive officer, MSC.Software Corporation. "SimEnterprise allows customers to transition from single point simulation tools to an integrated enterprise solution. This allows businesses to focus on the quality and content of simulation analysis and results versus managing disparate simulation systems and data."

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Philips Medical Systems Leverages Open Source Principles of the CollabNet® Solution for Its Development Environment

12 March 2007

[CollabNet](#) announced that CollabNet® Enterprise Edition is the development solution at Philips. CollabNet is used by Philips Medical Systems to promote collaboration between geographically dispersed development teams, improve cross-team use of software assets, improve overall development efficiency, and decrease time to market. CollabNet's open approach to software development enables Philips Medical Systems to better leverage the collective power of its software developers organized in more than 25 software engineering groups in more than 10 business lines on three continents.

Philips Medical Systems is a division of Royal Philips Electronics with 2005 sales of \$8 billion. The division provides imaging equipment in X-ray, CT, MR, Ultrasound and nuclear medicine imaging, used to create images for radiologists and cardiologists. Its products are built around the Medical Imaging Platform (MIP) program, which serves as the technical base.

“As a multi-national organization, we manage globally distributed development resources for the Medical Imaging Platform program, the base of our products. Resources dispersed across three continents, in many teams, present a unique challenge,” says Jan Broekhuizen, Program Manager, Medical Imaging Platform at Philips Medical Systems. “Working with CollabNet's development environment helps us accelerate time-to-market for products, effectively manage distributed development resources, and substantially improve the quality of the software components being developed.”

Philips Medical Systems had previously relied on conventional development platforms and tools that were not designed for use in heavily distributed teams and geographically dispersed sites. As an example, components delivered by one team did not provide the functionality that the other teams need. Presenting an alternative, CollabNet brings openness and flexibility that allow developers to collaborate in a highly distributed fashion and leverage existing tools and processes.

Selecting CollabNet as the basis for its new collaborative software development infrastructure, Philips Medical Systems launched an initiative to introduce open source principles into its internal software development efforts. The open approach relies on product teams having full read-only access to the platform's development information, such as source code and team communication. Increased transparency enables product teams to adapt to another team's approach and to leverage its software assets, while requiring a well-defined framework of distributed ownership and control over software assets.

Adopting open source principles for the development of Medical Imaging Platform significantly altered the requirements for the development environment because it was necessary to allow easy yet secure and gated access to development information across the wide area network. Philips Medical Systems rolled-out CollabNet Enterprise Edition after a thorough review of the level of security and the managed services. The division also uses Subversion™, an open-source version control system sponsored by CollabNet.

“Philips Medical Systems is proof that open source best practices and frictionless collaboration work at the corporate level. They have demonstrated how an open and collaborative approach can transform software development into a more agile business,” said Bill Portelli, CEO of CollabNet. “More and more enterprises are realizing that there is untapped potential within their own teams that can turn into

competitive advantage. We're excited about the success our customers achieve as a result of CollabNet's innovative development environment.”

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PSA PEUGEOT CITROËN Selects LMS Virtual.Lab as Integrated Simulation Platform for Vehicle Development

14 March 2007

LMS International announced that PSA PEUGEOT CITROËN has selected LMS Virtual.Lab as the main integrated simulation platform for body, chassis, engine and full vehicle engineering. LMS Virtual.Lab will support engineers at the French automotive company in performing realistic simulation throughout their vehicle development process. The contract involves the deployment of LMS Virtual.Lab over several years for a community of more than 500 users, covering critical performance attributes like ride and handling, structural integrity, system dynamics, NVH and acoustics, and delivering a multi attribute assembly workbench.

To meet the difficult challenge to develop an increasing number of vehicle models with optimal quality in shorter time, PSA PEUGEOT CITROËN carefully assessed the capabilities of Virtual.Lab in the individual application domains. Through previous deployments, Virtual.Lab already proved its benefits for NVH engineering, engine acoustics simulation and loads prediction for durability and vehicle dynamics analysis. In addition, current users strongly value LMS Virtual.Lab for its openness to integrate with structural analysis solvers like NASTRAN and ABAQUS, and to easily connect to leading solvers in the areas of crash and safety.

Under the new agreement, PSA PEUGEOT CITROËN will deploy LMS Virtual.Lab as part of a strategic program to integrate all the key vehicle simulation tasks into their core vehicle design process. “The seamless integration of LMS Virtual.Lab with the Dassault Systèmes PLM and SIMULIA solutions is a key enabler to tightly link attribute simulation with our vehicle design process,” commented Jean-Luc Perrard, Vice-President Product/Process Information Technology at PSA PEUGEOT CITROËN. “This integration strongly increases the efficiency in creating sub-system and vehicle models and delivers optimal collaboration between design and engineering teams”.

According to Jean-Luc Perrard, through the assembly workbench, LMS Virtual.Lab also offers a unique bridge between the different vehicle attribute domains. This allows an easy sharing of an assembly model between the different disciplines. It also enables the engineering teams of the French automaker to quickly assess the impact of design changes on key performance aspects like, comfort, NVH or possibly crash.

“Our partnership with LMS, the deployment of LMS Virtual.Lab and its further evolution in line with PSA' requirements, will allow us to further increase the integration and the impact of the different simulation disciplines in our core vehicle design and engineering process. This will help us meet the challenges of accelerating vehicle development, continuously increasing product quality and delivering

innovative vehicle designs,” commented Nicolas Morel, Vice-President Vehicle Engineering at PSA PEUGEOT CITROËN.

“PSA PEUGEOT CITROËN is a longstanding and valued customer of LMS and we are very proud with the selection of LMS Virtual.Lab as their standard platform for vehicle modeling and simulation,” commented Jan Leuridan, Executive Vice-President and Chief Technology Officer at LMS. “Our continuous commitment to innovation and our strategic relationship with Dassault Systèmes, will support PSA PEUGEOT CITROËN in further accelerating its vehicle simulation process, and in creating a tight integration between simulation and vehicle development.”

For more information on LMS Virtual.Lab, please visit <http://www.lmsintl.com/virtuallab>.

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Sweden's Scania Chooses HyperWorks Suite to Accelerate Product Development Process

12 March 2007

[Altair Engineering, Inc.](#) announced that Sweden's [Scania](#), one of the world's leading manufacturers of trucks and buses for heavy transport applications as well industrial and marine engines, has chosen the HyperWorks suite of computer-aided engineering (CAE) software for pre-processing tasks in their truck customizing process. Scania began implementing the Altair HyperWorks products after an intensive benchmark study. The first HyperWorks product to be introduced to Scania's development cycle was HyperMesh, and then a custom, semi-automatic pre-processing manager toolbox, used for pre-processing tasks was implemented. In the future, Scania plans to extend their use of HyperWorks and include such products as OptiStruct for component optimization. HyperWorks products are currently in use at Scania in the Chassis, Engine, Transmission and Bus Calculation Departments.

"In order to be faster and more productive in the model-building phase of our development cycle, we had to choose a new pre-processor. We looked at a number of different products," said Martin Edberg, manager, Calculation Group Chassis Department at Scania, Sweden. "Finally, after extensive benchmarking, we chose HyperWorks because it appeared best-suited to our tasks. Before using HyperWorks, we spent a great deal of time pre-processing our data. Now, with HyperWorks, I expect to save a lot of time in this phase of the development process. The saved time can then be spent on other important tasks, such as on more analysis runs later in the development cycle. The change to HyperWorks has significantly increased our simulation efficiency and robustness, which is especially critical to the truck-customization process. In addition to the product, Altair Sweden also impressed us with their outstanding support and their work on the semi-automatic pre-processing manager toolbox. We use the toolbox in the chassis department to further automate pre-processing tasks in virtual truck model assembly."

Altair HyperWorks is an integrated CAE framework containing best-in-class solutions for complete virtual product development. It delivers an open, programmable platform that is easy to integrate into

existing processes. HyperMesh is a high-performance finite-element pre- and post-processor that allows engineers to analyze product design performance in a highly interactive and visual environment.

"We are very pleased to see Scania using the HyperWorks suite for their truck modeling processes," said Dr Hakan Carlsson-Ekman, managing director at Altair Engineering AB, Sweden. "All of our customers see the need to improve their productivity and the need to save time within their development processes. HyperWorks offers great potential for time savings from the use of its meshing tools for advanced solid geometries and morphing capabilities. In addition, it offers a comprehensive solver-neutral data model for easy conversion into various formats and helps eliminate the need for manual edits. The results are better FE models, a more consistent CAE process and reduced time within the development cycle. Custom manufacturers such as Scania soon see a return on their investment in HyperWorks."

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Synopsys Optimizes Hercules Physical Verification Suite for IBM 65nm Design Kits

13 March 2007

[Synopsys, Inc.](#) announced the availability of advanced device parameter measurement functionality in its Hercules™ Physical Verification Suite (PVS). Developed to support the latest release of 65-nanometer (nm) design kits from IBM (NYSE: IBM), this new functionality enables IBM foundry customers using the Hercules layout versus schematic (LVS) rule files in the kit to easily and accurately correlate device behavior to the IBM process.

These IBM foundry customers also have access to the latest Hercules design rule checking (DRC) as part of the 65 nm design kit release. These files are qualified for accuracy and optimized for performance.

"We have been supporting Synopsys Hercules PVS for over a decade," said Dave Haramé, director of enablement, IBM Global Engineering Solutions. "Synopsys has consistently proven its ability to meet our needs and those of our foundry customers as we transition to more advanced technology nodes."

As device geometries continue to shrink to 65 nm and smaller, circuit performance is improved by changing transistor behavior through the application of special process layers. However, the presence of these layers increases the complexity of measuring device parameters such as speed, power and area during physical verification due to the number of complex calculations involved. IBM and Synopsys have collaborated to deliver the algorithms necessary to support these new requirements. This entailed adding more device measurement commands to Hercules PVS. These new Hercules commands, which are fed into IBM's proprietary calculations, deliver greater accuracy so customers can better understand design performance at 65 nm.

"Emerging technology nodes require ongoing innovation for products like Hercules PVS to accurately represent device behavior to the design community," said Anantha Sethuraman, vice president of marketing, Design for Manufacturing, at Synopsys. "Our collaboration with IBM, a longtime Synopsys customer and partner for verification, has yielded an important capability - a silicon-correlated solution - for our mutual customers."

The new capability for Hercules PVS is available now.

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USACE Mississippi Valley Division Wins BE Award

15 March 2007

The U.S. Army Corps of Engineers ([USACE](#)) Mississippi Valley Division (MVD) of St. Paul, Minnesota, has won a BE Award for its extensive deployment of ProjectWise involving collaboration on more than 17 projects, including improvements to navigation and ecosystem sustainability on the upper Mississippi River and other waterways, an evaluation of the New Orleans hurricane and flood protection system and its performance during Hurricane Katrina, and major modifications to the Bayou Sorrel Lock in Louisiana. The award category was “Geospatial Managed Environment.”

The USACE MVD reaches from Minnesota to New Orleans. In the wake of Hurricane Katrina in September 2005, MVD decided to deploy ProjectWise across its six districts and the Engineer Research and Development Center (ERDC) in Mississippi. MVD’s goals included installing or upgrading ProjectWise in all MVD districts, implementing a common environment, using a common folder structure, utilizing caching, and conducting training where needed.

MVD’s choice was supported by the New Orleans District’s years of experience with ProjectWise, and was driven by the immediate need for a common platform to enable virtual teams, with members in distant offices, to work on hurricane recovery projects. Said Christine Afdahl, a civil engineer with USACE, “Bentley’s ProjectWise has enabled us to truly accomplish virtual teaming within our organization. It allows the appropriate access to the project documents at all times.”

ProjectWise served as a single access point for all project documents, creating powerful workflow efficiencies. Before implementing ProjectWise, in order for a team member at one site to view a document located at another, the document would need to be emailed or posted on an FTP site – wasting time and creating additional copies of the document. Any changes made to these copies would not be included in the documents viewed by other team members.

With ProjectWise, team members always have access to the most current document, without requiring the author to email or post it. In addition, for attributes that are project-related and consistent from document to document, Bentley created a custom application that allows attributes – such as the project’s name – to be automatically populated across all documents created within that project.

Today, MVD professionals are using ProjectWise to collaborate on more than 17 projects, 15 of which are associated with the Navigation & Ecosystem Sustainability Program, or NESP. These projects are designed to improve navigation while ensuring sustainable ecosystems on the upper Mississippi River and Illinois waterways through 2050.

Another critical project under way, the Interagency Performance Evaluation Taskforce, or IPET, is providing scientific and engineering answers to questions about the performance of the New Orleans hurricane and flood protection system during Hurricane Katrina. IPET is comprised of some of the nation’s leading engineers and scientists from federal, state, and local government as well as academia and private industry. These experts are using some of the most advanced scientific and engineering methods and tools in their comprehensive study. The IPET team includes approximately 150 engineers,

scientists, and other professionals, representing more than 35 independent organizations and 15 USACE offices. The managed environment provided by ProjectWise was instrumental in meeting the constraints and volume of engineering and scientific data required by IPET.

Yet another project, the Bayou Sorrel Lock Modification, is located in Iberville Parish in south-central Louisiana, about 50 miles south of Baton Rouge. The project includes the construction of a new, large lock adjacent to the existing lock as well as approach channels to the new lock; the closure of the existing lock; measures to mitigate the impact of the project on fish and wildlife resources; erosion protection in the vicinity of the lock; and mooring buoy facilities adjacent to the erosion protection.

For more information on USACE's winning project and all of the other 2006 BE Award projects, visit <http://www.be.org/awards>. For more information on the Bentley products used in this project, visit <http://www.bentley.com/en-US/Products/ProjectWise>.

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UWG Develops Sturdy Oil Rigs and Equipment for Harsh Offshore Environments Using SolidWorks, COSMOS

12 March 2007

U.K.-based UWG, Ltd. is using [SolidWorks](#)® 3D CAD and COSMOS® design analysis software to develop equipment that makes oil drilling around the world safer and more efficient. UWG has standardized on SolidWorks and COSMOSWorks® to reduce product development time and deliver cost effective products and technical solutions to such global powerhouses as BP, ExxonMobil, Chevron and Shell.

A subsidiary of the Acteon Group, UWG designs and installs minimum facilities platforms, structural centralizers (which hold pipelines in place on a production platform), sub-sea structures, sub-sea cameras, and performs tiebacks engineering for connecting wells from the seabed to a platform. The company had been using a combination of 2D and 3D CAD programs before standardizing on SolidWorks. Together, companies in the Acteon Group have 25 licenses of SolidWorks.

“We needed to get designs and products out the door faster, and we needed to reduce the cost for quoting and delivering these to our clients,” said UWG Design Team Leader Matthew White. “We often had to recreate models in our previous analysis software, which took time, introduced errors, and frustrated us as we tried to finish designs on deadline. SolidWorks’ integration with COSMOSWorks eliminated those challenges so we can focus on the project, not managing CAD software.”

That integration has played a crucial role as UWG recently designed customized small minimum facilities platforms, drilling templates and centralizers for its clients. Precision is a must as platforms in the North Sea and around the world can be rocked by vicious weather patterns, violent seas, and powerful currents. The centralizers have to hold the pipeline in place without allowing it to bang into the platform or shake free anywhere above or below the ocean floor.

Using SolidWorks software's design tables, engineers cut development time for the 80-square meter platform from one week using 2D to two days. They then used COSMOSWorks to study how the structure would stand up to gale force winds and shifting seas to ensure clients wouldn't lose production time or money because of a structural failure.

"SolidWorks and COSMOSWorks give us confidence in the accuracy of our designs, so we know our designs and products will deliver on our promises," said UWG IT Manager John Rainbow. "That's how we continue to design better products and strengthen our reputations in an extremely competitive industry."

UWG uses eDrawings® e-mail-enabled design communication tool to share designs with clients, as well as with internal procurement staff so they know exactly what parts they are purchasing at what price. SolidWorks PDMWorks® product data management (PDM) platform allows UWG to manage all of the design data it generates while enabling engineers to safely store, track, and work on designs concurrently.

"There is no margin for error for workers on an oil rig in a storm at sea," said SolidWorks' Executive Vice President of Europe Michel Gros. "UWG's products make sure some of the biggest petroleum companies in the world retain structural integrity under the harshest of conditions."

[UWG](#) relies on authorized SolidWorks reseller [Innova Systems](#) for ongoing software training, implementation, and support.

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Product News

Actify Ships SpinFire Professional™ 8.2 Along With a Czech Language Version and an Improved .3D File Format

14 March 2007

Actify Inc. announced the release of SpinFire Professional 8.2, which features the addition of a Czech language version and an improved .3D file format. With the Czech language version, SpinFire Professional 8.2 can now reach a wider range of users world wide. SpinFire Professional 8.2 also includes an improved .3D file format which reduces memory usage and loading time, making it easier for users to load and view large files.

"The release of SpinFire Professional 8.2 with a Czech language version adds to our already extensive list of language versions available, and we are happy to provide our current Czech users with the latest version of SpinFire Professional so we can meet their digital design communication needs," said Chris Jones, President of Actify. "In addition to the localization for Czech, we've also greatly improved our .3D file format, which is on average 20%-30% smaller and loads 5-6 times faster than the previous version of SpinFire Professional, allowing users to quickly access and work with the design data. This sets a new standard for the industry in terms of performance."

The release of SpinFire Professional 8.2 also features improved performance handling of large files and large assemblies. Areas of improvement include:

- Rotate, Pan, Zoom
- Picking
- Preview of transformations
- Movements of parts with handles
- Cross section
- Focusing on point or part
- Zoom fit

A free trial version of the product is available for download at <http://www.actify.com/>.

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Altera's Structured ASIC Design Flow Now ITAR-Compliant for Military Application

12 March 2007

[Altera Corporation](#) announced that the U.S. Department of State has certified that the company's HardCopy® II structured ASIC design and manufacturing flow is compliant with International Trade in Arms Regulations (ITAR). Compliance allows designers of U.S. military electronics systems to take advantage of a secure HardCopy II design flow for prototyping in an FPGA and then seamlessly migrating to a structured ASIC.

ITAR compliance is an integral part of the exclusive Altera® Enhanced COTS Initiative for addressing military and aerospace market-specific needs. Altera enhanced COTS solutions include device support for a wide range of temperature gradients, die business support, long-term obsolescence protection and a consistent supply chain to address military design challenges. To learn more about Altera's enhanced COTS offerings, visit <http://www.altera.com/end-markets/military-aerospace/overview/mil-overview.html>.

“Military contractors are now requiring ITAR compliance from their suppliers,” said Don Faria, Altera's senior vice president, business groups. “This secure design and manufacturing flow for HardCopy II structured ASICs provides a significant competitive advantage and is another example of how our enhanced COTS strategy is helping military suppliers meet government requirements.”

ITAR regulates the import and export of U.S. defense-related equipment, services and information. Conformance to ITAR links Altera's HardCopy structured ASIC design flow with an export management system, technology control plan, a secure design room, server security and encrypted communications. It assures that only U.S. personnel working for U.S. companies are aware of any of the designs generated by Altera customers.

Secure Structured ASICs for Mil/Aero Applications

With Altera's Quartus® II development software, customers can prototype and verify their designs using Stratix® II FPGAs. After testing, the design is encrypted and sent to Altera's secure ITAR design center in California. There, the design is reviewed and checked for conformance with HardCopy II structured ASIC manufacturing requirements. All work remains within the ITAR design center to maintain security throughout the design migration and review process. Altera then sends an encrypted report back to the customer for review before wafer fabrication and prototyping.

HardCopy II structured ASICs are well aligned for designs in military applications, providing high immunity to single event upsets (SEU), low device power and single-chip-live-at-power-up for use in avionics, missiles, modems, sensors, radios and unmanned vehicle applications. In addition, engineering teams can design HardCopy II structured ASICs for military temperature requirements (-55°C to +125°C). Specific development programs include avionics for the Joint Strike Fighter program (JSF) and high-altitude missiles, both requiring SEU immunity. By using structured ASICs, costs can also be significantly reduced for software defined radios (SDR) in high-volume commercial applications.

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Cimmetry Introduces AutoVue 3D Pro – SME, Providing Cost-Effective Native Visualization for SolidWorks, Inventor, AutoCAD Mechanical and Solid Edge

12 March 2007

[Cimmetry Systems](#), an Agile Software company, announced the immediate availability of AutoVue 3D Pro – SME, the latest addition to Cimmetry's AutoVue family of visualization solutions, targeting the small and medium sized enterprise (SME) market.

Strong demand for Cimmetry's native viewing technology has created the need to recognize the special requirements of small and medium sized enterprises and their tendency to work with the lower priced, mid-range 3D CAD packages. Cimmetry's new AutoVue 3D Pro – SME provides users of mid-range 3D CAD packages, such as SolidWorks, Autodesk Inventor, AutoCAD Mechanical and Solid Edge, with the freedom to choose their authoring tools and still work with different mid-range 3D formats from partners, customers or suppliers.

Customers that require the ability to view the higher-end 3D CAD packages, such as CATIA, NX or Pro/Engineer, may upgrade to the AutoVue SolidModel Pro product.

AutoVue 3D Pro – SME features powerful native document viewing, markup, printing, stamping and collaboration capabilities for the leading mid-range 3D CAD packages, as well as leading 2D CAD tools, providing users with the ability to quickly view documents without requiring authoring applications or undergoing costly and error prone file conversions with publishing systems.

AutoVue 3D Pro – SME version 19.1 is available in both a Desktop and Web Edition and can be purchased from Cimmetry or through a global network of Value Added Resellers.

For sales inquiries or to locate a local VAR visit our web site or call +1-514-735-3219.

http://www.cimmetry.com/partners_vars-lookup.html.

For additional information about AutoVue 3D Pro - SME, visit our Website at

http://www.cimmetry.com/autovue_3dpro-sme.html.

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CollabNet® Joins Opsware Technology Alliance Partner Program

13 March 2007

[CollabNet](#) announced it has joined Opsware's Technology Alliance Partner (TAP) program. Through the partnership, CollabNet and Opsware will provide access to a broad range of Data Center Automation capabilities, enabling customers to more rapidly achieve operational efficiencies and reduce labor costs across their IT infrastructures.

“Opsware’s history of leadership in the data center automation market coupled with CollabNet’s ability to enable collaboration across geographical boundaries makes this partnership a natural fit,” said Martin Doettling, vice president of marketing at CollabNet. “CollabNet will enable Opsware developers and customers to interact and collaborate on projects anywhere at any time, by supporting the collaborative extension of The Opsware Network (TON).”

With the cost and complexity of today’s IT infrastructure spiraling out of control, enterprises are turning to IT Automation to increase productivity, ensure policy compliance, remediate security threats, and reduce labor expenses. The Opsware Technology Alliance Partner program supports the increasing demand for this technology by providing an effective way to address customer needs for server, network and application automation. As the fastest growing data center automation vendor, Opsware will provide CollabNet the opportunity to integrate with its IT Automation software and leverage its global sales and marketing activities to generate customer leads and drive revenue.

Opsware selected CollabNet Community Edition to support collaborative extension of The Opsware Network (TON). Based upon Web 2.0 principles, CollabNet Community Edition is a fully integrated collaborative environment specifically tailored to meet customer and partner co-development needs. It provides a rich web platform for a large population of developers to communicate, collaborate and share code online. With the help of CollabNet, Opsware customers can now more closely communicate and collaborate with the Opsware support, service, and product engineers to increase efficiencies and performance.

“By combining Opsware’s IT Automation software with CollabNet, customers will benefit from a broader spectrum of critical IT Automation capabilities,” said John O’Farrell, executive vice president of business development at Opsware Inc. “The joint technologies will provide customers with a comprehensive data center management solution, which has become a necessity for today’s enterprises as they focus on cutting costs, increasing operational efficiencies, and generating immediate ROI.”

About the Opware Technology Alliance Partner Program

The Opware Inc. Technology Alliance Partner program provides customers with the most extensive and comprehensive data center management solution available today. Opware Technology Partners are comprised of best of breed software and platform vendors who offer technology that complements a single Opware product or the entire Opware solution suite.

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Important New Customers in the ECM Market Place their Trust in the FileNet System Monitor Software Solution

13 March 2007

More and more companies across the globe are monitoring their IBM FileNet P8 Enterprise Content Management solution around the clock with the FileNet System Monitor (FSM) software solution developed by CENIT. In 2006 alone, around 30 new customers decided to use FSM to automate the monitoring and administration of their important corporate document archiving, workflow and business process applications from FileNet, an IBM company.

The solution, developed by the ECM consultancy and software company CENIT, allows companies from a wide variety of industrial sectors to administer their FileNet P8 components and infrastructure effectively as well as to automate routine tasks in their company. This leads to a lasting reduction in IT operating costs, and downtimes are cut to a minimum thanks to reliable availability management.

The most recent customer to implement this solution is based in Milan, Italy. In February 2007, ING Direct successfully introduced the FileNet System Monitor solution in Milan, together with consultants from CENIT as well as the local FileNet partner Imaging Progetti. "The main aims of this project were to ensure the availability of FileNet P8 and to automate routine, everyday tasks", reports Frediano Lorenzin, head of the IT department at ING Direct. The project was completed on time and did not exceed the budget.

"Companies who want to integrate their FileNet P8 systems into existing enterprise systems management environments - such as IBM Tivoli, HP OpenView, CA Unicenter or BMC Patrol, for example - so that they can monitor all ECM components in a single point of control, make the right choice when they choose FileNet System Monitor," says Roland Merkt, head of the Systems Management business division at [CENIT](#), with conviction in his voice. "We are proud that we can already count numerous companies from the financial service industry such as Citigroup, Standard Bank of South Africa, Allianz and VR Kreditwerk among our customers. In the market for ECM solutions, there is hardly any other product which offers a quicker return on investment than FileNet System Monitor", he adds.

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Intrinsys Provide Engineering Design Support for its PLM Customers

12 March 2007

By uniquely combining the supply of PLM solutions with an engineering business, Intrinsys is now offering engineering design services to its customers. Building on successful relationships that Intrinsys has developed with its customers through the supply of CATIA and SmarTeam, the business is now providing clients with design support, either onsite at the customer or at the Intrinsys office.

Intrinsys can provide experienced engineers to work on customer projects and by mirroring the client's environment settings, are able to work in a seamless manner as an extended part of the clients engineering team. A customer that Intrinsys have supported in this manner is Ipeco and Dave Scott, Technical Director at Ipeco is very positive about the relationship with Intrinsys, "They provide us with excellent service and support. Intrinsys really know what it means to be a design house, and therefore have a good understanding of our environment. In fact, in addition to the training and consultancy they deliver, we are also now using them as a subcontractor to help on design and detailing for a new 3-piece 'divan' style seat for a new executive business jet. So far, I honestly can't think of any occasion when they have disappointed us. Because we are working together on a project using the same software tools, [Intrinsys](#) even drop data straight into our ENOVIA SmarTeam database. Intrinsys make us feel as if we are their only customer and we can't ask for more than that."

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Krugle Brings Code Search to CollabNet Developer Communities

14 March 2007

Krugle, Inc., maker of a specialized search engine for software developers, announced a partnership with CollabNet Inc. to provide code search functionality to over one million developers on the CollabNet platform and CollabNet Subversion.

The partnership gives software developers on the CollabNet platform easy access to code search functionality and information related to software code in a single, easy-to-use interface. It also gives engineering managers more visibility into the development lifecycle, helping them meet compliance requirements, cut operating costs and innovate faster. CollabNet will make Krugle code search available on its customers' development sites so that users can search for code without leaving the CollabNet environment.

"Some of the most powerful work in the search industry today happens at the developer level, mandated by the demands of increasing complexity in the code that drives applications," said Ken Krugler, Krugle's Co-Founder and CTO. "Our tools help developers find code quicker, help executives get more out of their intellectual property, and help companies like CollabNet expand their communities. Our partnership with CollabNet adds another one million users to the Krugle search community."

According to research conducted by Evans Data, developers spend up to 25 percent of their time searching for code. Through Krugle, developers can search an index of more than 1.5 billion lines of code, more than 400 million web pages and more than 100,000 projects, radically reducing the time they spend searching for code.

The Krugle search service is also available through openCollabNet, <http://www.open.collab.net/>, the new extension to CollabNet's platform and Subversion. As an online community, openCollabNet gives users free access to product extensions, in-depth technical content, community resources, support and training and ways to interact with other developers.

"openCollabNet gives our users quick and easy ways to get started with CollabNet, increase productivity through better use of our platforms and collaborate with us and the community of our users," said Bill Portelli, president and CEO of CollabNet. "The partnership with Krugle takes openCollabNet one step further and brings functionality inside our customers' development environments that will foster open source and enterprise developer communities. No other vendor is in the position to bring a partnership such as this one directly to the desktop of so many enterprise and open source developers."

Customers can try the integrated Krugle search on openCollabNet at <http://open.collab.net>. Tigris.org, the home of the Subversion open source project, is already leveraging the integration between CollabNet and Krugle. To see the partnership in action, visit the openCollabNet tab on the Tigris.org community site at <http://www.tigris.org>.

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Mentor Graphics First to Provide Co-Verification Support for MIPS32 34K Multi-Threading Processor Cores

12 March 2007

Mentor Graphics® Corporation announced a new processor support package (PSP) for the MIPS32® 34K™ family of processor cores. Developed jointly with MIPS Technologies, this new C-based PSP supports transaction-level (TLM) and register-transfer level (RTL) simulation to give engineers a consistent platform upon which to view, validate and co-verify the multi-threaded hardware/software interactions occurring on the 34K processors.

Processing multiple software threads in parallel, the MIPS32 34K cores deliver significant gains in system performance and cost savings, with a very modest increase in die size. However, taking full advantage of these capabilities requires a powerful verification approach that allows designers to see parallel operations simultaneously.

"In multi-threaded processing, the hardware/software interactions of the system become intensely complex. Mentor Graphics' processor support package gives our customers insight into high-level activity across multiple threads, as well as detailed activity on any single thread," said Jack Browne, vice president of marketing at MIPS. "The result is a design flow that makes it easier for our customers to maximize the performance potential of applications based on our 34K processor family."

The cycle-accurate PSP for MIPS32 34K processors is designed to work with the Mentor Graphics Seamless® co-verification tool, the first co-verification tool to support the 34K core family. The Mentor Graphics solution supports detailed views of the design, down to registers, system busses, and memory activity. The new Seamless PSP also supports comprehensive views of a 34K core's virtual processing elements (VPEs) and thread contexts (TCs) to simplify verification and debug of software execution in a

multi-threading system which can even include multiple operating systems running on a single 34K core. These capabilities enable engineers to optimize system performance and resolve hardware/software integration problems early in the design cycle, avoiding late-stage silicon re-spins that can cost millions of dollars.

“Mentor Graphics teams with industry-leading CPU vendors like MIPS Technologies to help our mutual customers maximize the value of their processor investments,” said Serge Leef, general manager of the System-Level Engineering Division at Mentor Graphics. “With this Mentor/MIPS combination, hardware engineers get a consistent, efficient system validation and co-verification platform that they can leverage throughout their electronic system level (ESL) and traditional RTL design processes.”

Availability

The Seamless PSP for the MIPS32 34K family is currently available from Mentor Graphics. For technical and pricing information, please email seamless_info@mentor.com. To find additional product information and technical papers, register for free Seamless workshops and functional verification seminars, please visit http://www.mentor.com/products/fv/hwsw_coverification/



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MSC.Software Revolutionizes Multidiscipline Simulation With the Release of MD Solutions R2

13 March 2007

MSC.Software Corp. announced the release of MD Solutions R2 (MD R2), the newest installment of the company's line of multidiscipline enterprise simulation solutions. MD R2 provides engineers with a powerful, integrated and optimized solution set that enables true multidiscipline simulation to speed design efficiency, drive early design validation, and provide manufacturers with insight into total product lifecycle performance.

MD R2 is the only multidiscipline simulation solution set on the market that enables diverse mathematical analysis models to interact so that the effects of one environment can be simultaneously applied to another. Through this approach, engineers are able to create models that reflect actual operating conditions for even the most complex situations, achieving faster, more accurate results. For example, prior to MSC's MD Solutions, engineers had to perform separate analyses to understand the sound passengers experience while also studying ride quality of automobiles. The separate results had to then be combined to produce the overall acoustic and ride quality of the automobile. With MD R2, the complete noise and ride quality of automobiles can be simulated with a single model, significantly reducing the time to complete the simulation and with more accurate results.

With the fully-integrated MD R2, a complete range of simulations can be performed in a single, consistent environment. MD R2 eliminates model size constraints due to physical memory limitations that continue to handicap other systems. All products within the solution suite are designed to scale from

the simplest stress analysis to the most complex models requiring millions of degrees of freedom. The solution is powerful enough to handle large, interconnected assemblies with an array of specialty connectors, advanced 3D contact with friction ability, flexible and rigid component support and super-elements.

"We are excited to bring to market a revolutionary new approach to simulation with the release of MD R2," said Reza Sadeghi, chief technology officer and senior vice president of engineering, MSC.Software. "Previously, engineers were limited by point solutions that only allowed them to model one attribute of analysis at a time. Now, with MD R2, engineers have the power to model multiple attributes of a system with multiple physics accounted for simultaneously and simulate the interaction between parts in a product. The result is more accurate and more realistic than ever before."

The new version consists of three primary applications, MD Nastran R2, MD Patran R2, a simulation software environment that helps engineers conceptualize, develop and test multi-disciplinary product designs and MD Adams, a new addition to the suite, which supports better integration between the two. The combined solution, MD Solutions R2, offers the following new features:

Integrated rigid body and flexible body simulations -- The integration of MD Adams and MD Nastran R2 enabling powerful capabilities including the incorporation of component flexibility in a full-system simulation as well as to more accurately predict stresses in a flex body for durability calculations.

Industry Proven Contact & Advanced Integrated Nonlinear solutions -- Easily extend existing linear models to full nonlinear behavior; provide the capability to join or "glue" dissimilar meshes in linear & nonlinear simulations as well as an expanded material library to accurately simulate material nonlinearity.

NVH & Acoustics -- Simulation of exterior Acoustics using FFT Actran technology; generation and assembly of FRF (Frequency Response Functions) for frequency response analysis, and enhancements to ACMS for reductions in compute time, disk I/O and scratch space.

High Performance Computing (HPC) -- Integration of new solver technologies to simulate larger and higher fidelity models as well as providing for scalable performance such as with exterior acoustics simulations.

Multidisciplinary Optimization -- Several developments including the ability to perform combined topology, sizing and shape optimization and performance improvements for large models through automatic external superelement optimization. Another very significant addition includes the capability to randomize the Nastran data for design robustness studies such as with stochastic simulations.

MD Patran R2 extensions for MD Nastran R2 -- MD Patran continues to unleash the power of MD Nastran by supporting more solution types and options including contact, rotordynamics and more. In addition, MD R2 provides for performance & scalability for large models and continues to focus on quality improvements.

Pricing and Availability

MD R2 is available now and can be purchased directly from MSC.Software. Existing MD Nastran and MD Patran customers will receive this latest update as part of their current maintenance agreement. Pricing is based on customer needs and the size of the organization. Promotion upgrade pricing for current customers is available. For more information, please visit <http://www.mscsoftware.com/> or contact (714) 540 8900.

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New Right Hemisphere 5 Platform Optimizes Downstream Visual Product Communication and Collaboration

13 March 2007

Right Hemisphere® announced the Right Hemisphere 5 platform, an integrated suite of visual product communication and collaboration solutions. The software is designed to eliminate various inefficiencies in the enterprise today and help manufacturers get their products and support materials to market faster. Right Hemisphere's next-generation software integrates with and extends all major product data management and product lifecycle management (PLM) systems, and enables the re-use of accurate and up-to-date product information. The software also automates the delivery of product information to anyone in the extended enterprise and in whatever format is required, including corporate document standards such as Adobe® PDF® and Microsoft® Office. This means stakeholders across the extended enterprise including sourcing, sales and marketing, manufacturing, training, and service and support functions can more rapidly and painlessly incorporate visual product information into their deliverables.

Right Hemisphere, with its Right Hemisphere 5 platform, is aimed right at the heart of solving various communication and collaboration problems across functional silos, customers, and partners. The platform includes new releases of Right Hemisphere's software stack, including major improvements and feature additions to its flagship Deep Exploration™ client and Deep Server™ enterprise software. These flagship products were fine-tuned based on direct customer input from Right Hemisphere customers such as DaimlerChrysler, Bell Helicopter, and Sikorsky, among others. The platform features:

- Robust technical illustration capabilities such as detailed view creation, symbols, new and improved line style materials, WebCGM output, 3D true type fonts, legacy illustration sheet support, thrust line generation, improved Adobe PDF callouts, and more.
- Added external workflow support for post editing and collaboration processes to make PDF creation more flexible and powerful.
- Advanced parts and bill of materials (BOM) management, including new metadata display and editing tools to make the management process easier and the documents more information rich.

- Updated measurement tools that are easier to work with, respond faster to commands, and include angle, volume, and surface area measurements for expanded engineering and design analysis work.
- New assembly and part workflows that allow merged parts to have materials and animations automatically applied, saving users significant rework time.
- S1000 compliant 2D and 3D symbol libraries to simplify S1000D document creation.

The Right Hemisphere 5 platform delivers compelling new and enhanced 3D PDF publishing capabilities for manufacturers. The software makes it even easier for these users to automatically author and publish rich, interactive 3D PDF files without requiring any JavaScript® programming knowledge. With Right Hemisphere 5, users can merge product manufacturing information (PMI) and key metadata from external sources with 3D models and publish them in a unified PDF file. This ability to associate important manufacturing specifications with metadata and 3D models in one secure, ubiquitous PDF empowers users with a powerful and painless collaboration, development and sourcing solution.

“3D PDF is emerging as a de facto standard for secure, dependable information exchange in documents that contain interactive 3D and CAD data,” said Tom Hale, senior vice president of Adobe's Knowledge Worker Solutions Business Unit. “The Right Hemisphere 5 platform — along with Adobe Acrobat 3D for publishing and editing, Adobe LiveCycle for IP security and workflow, and the ubiquitous Adobe Reader — enables manufacturers to significantly reduce costs and increase the effectiveness of their product communication and collaboration with customers, employees, and partners.”

Right Hemisphere 5 Deep Exploration, Deep Publish, and Deep View client software will all be available by March 19 in the Right Hemisphere e-store. Deep Exploration will be available in two versions: the Standard Edition for \$495 U.S. and the CAD Edition for \$1,995. Deep Publish, which has been significantly enhanced, now allows users to more easily publish, view, and share 2D and 3D graphics into Microsoft Office and Adobe® Acrobat® applications; and will be offered as a free download. Right Hemisphere's Deep View is a free viewer that allows users to view and interact with these 2D and 3D graphics in Microsoft PowerPoint, Word, or Excel.

Right Hemisphere 5 Deep Server will be generally available in early summer, 2007. For more information on any of these products, please go to: <http://www.righthemisphere.com/>.

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Right Hemisphere Awarded Patent for Next-Generation Graphic File Management System

13 March 2007

With the introduction of new [Right Hemisphere](#) 5 visual communication and collaboration software today, Right Hemisphere also announced it was awarded a key patent from the U.S. Patent and

Trademark Office for technology that enables next-generation enterprise communications. The issued U.S. Patent No. 7,092,974 is for a “digital asset server and asset management system.” The invention outlines an advanced graphic file management system that allows users to control the complexity, flow, and quality of enterprise-wide graphic file management and usage.

“Many job functions in an enterprise require access to product information. Yet there is a staggering amount of inefficiency around how that product information is accessed, reused, updated, stored, and shared company-wide,” said Right Hemisphere President and CTO Mark Thomas. “Our patented graphic file management system addresses these inefficiencies head-on with a holistic and multi-format friendly approach. For manufacturers looking to achieve that coveted higher degree of ‘leanness,’ we offer a very compelling enterprise communication and collaboration solution built to work with whatever tools, applications, and infrastructure are already in place.”

Right Hemisphere’s graphic file management system allows for automated and dynamic repurposing of large amounts of digital graphic data or files. This includes maintenance, use and manipulation of the graphic data or files. The system is comprised of a server which can manipulate graphic files and established links to each graphic file, and a database on which the server stores the links. The server can create other formats of a particular file and allows for amendments to graphic files to be tracked.

“Electronic images and videos, 3D CAD data and other forms of digital image data are proliferating in corporations across the globe,” Thomas continued. “You need not look any farther than the new Microsoft Windows Vista operating system with its native 3D viewing capabilities for evidence of just how mainstream 3D and rich media have become in the enterprise. Corporations are far overdue for a next-generation enterprise communications solution to manage this content.”

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SAP Empowers Small Businesses to Thrive in Evolving Marketplace With Quick Innovation Delivery

15 March 2007

SAP AG announced enhancement packages for SAP® Business One, a new series of downloadable packages as part of SAP standard support that provide SAP Business One customers with faster and more frequent access to new functionality, best practice tools and maintenance updates. The packages are planned for availability multiple times a year between major application updates in a model that shortens the industry's typical multiyear cycle for introducing new functionality down to a matter of months. With this model, SAP is setting the bar for a new breed of more nimble, adaptable and responsive small business applications. The announcement was made at the CeBIT trade fair, being held in Hanover, Germany, March 15 - 21.

Designed as actionable and incremental extensions to the SAP Business One application and compatible to the vast catalogue of 350 solutions developed by independent software vendors (ISVs), these enhancement packages activate in a "plug-and-play" manner, eliminating the costs and disruptions associated with typical software upgrades.

Highlights of SAP Business One Enhancement Packages

"Together with SAP, we can identify key customer concerns that require the turnaround of quick, effective solution extensions in an easy way," said Alexander Kirbis CEO of value added reseller KIRBIS. "As partners, we further benefit from the best practice components, allowing us to help customers streamline operations and realize additional value from SAP Business One."

SAP plans to make new enhancement packages for SAP Business One available for customers as part of their SAP standard maintenance contracts via download in regular cycles multiple times per year, offering:

- Enhanced features/functionality -- Incremental feature and functionality updates will provide fast response to emerging customer and market needs.
- Best practice tools -- Improved knowledge content will deliver access to best practices, toolkits and solution templates to assist partners and customers in smoother implementations, streamlined operations and better returns on IT investments.
- Maintenance updates -- Newly developed maintenance tools and solution patches will address complex business challenges, product fixes, compliance measures and security concerns.

The exact content of each forthcoming enhancement package will vary according to the actual needs and priorities of SAP Business One customers, as monitored by SAP and its channel partners. The first enhancement package is scheduled to be available for customers to download in the second quarter of 2007. Among the enhancements planned are several new capabilities in financials, including control accounts, general ledger reporting and document printing.

"Enhancement packages for SAP Business One allow small businesses to quickly obtain mission-critical business capabilities and increase overall solution value," said Gadi Shamia, senior vice president, Solution Management, Small Business Solutions, SAP. "This new approach to enhancement delivery denotes SAP Business One as the platform for future business innovation, while allowing us to respond faster to our customers and partners requests."

With this announcement, SAP Business One follows the path SAP has already taken for its large enterprise and mid-market customers (See related announcements, ["SAP Delivers Innovation Without Disruption to mySAP™ ERP Customers"](#) from September 12, 2006 and ["SAP Delivers Enterprise SOA for Midsize Companies with Next Evolution of SAP® All-in-One Solutions"](#) from January 16, 2007) by transforming the way SAP Business One customers deploy and consume new features and functionalities.

For more information about SAP Business One, please visit SAP's small business solution Web site at <http://www.sap.com/smallbusiness/>.

SAP at [CeBIT 2007](#)

Main booth: hall 4, stand D12

Booth in the Public Sector Parc: hall 9, stand E37

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SigmaQuest Releases SigmaSure 6.0 with Repair Insight Module to Close the RMA and Manufacturing Quality Loop

12 March 2007

[SigmaQuest™ Inc.](#) announced the availability of SigmaSure 6.0 that features a new Repair Insight module. With the software, OEMs can quickly pinpoint the exact source of product failures, track and compare historical information on which types of repairs have been made on products, and receive recommendations on which repairs are most effective. RMA Insight also bridges the product quality intelligence gap between return material authorization (RMA) and manufacturing quality data.

The repair module is ideal for electronic manufacturers that are seeking to reduce warranty costs and improve product performance across the entire lifecycle. It is particularly suited for OEMs with high volumes of products under warranty that are failing, those being faced with product recalls, those with large bone piles/scrap or those that want insurance against any type of product failure or recall in industries, including telecommunications, networking, medical devices, computers and peripherals. For example, a computer manufacturer that continues to receive like complaints can quickly identify if a defect is caused by the software running on the computer or a particular device that is failing in the computer. In the situation where a defective device is identified, the manufacturer can quickly identify where the product was developed, specifically which manufacturing center and on which line, as well as who was the supplier of the particular product component that failed. The module also enables OEMs to easily identify which repairs are most effective, and it gives recommendations to repair centers as to which repairs to try first, based on historical trends.

“Repair knowledge can be equated with tribal knowledge in that it is often unwritten information that is not commonly shared with others within an organization. Yet, for enhanced productivity, this information needs to be known and analyzed by others in the supply network so that they can produce quality products,” said Nader Fathi, president and CEO of SigmaQuest. “With the introduction of SigmaSure 6.0 and Repair Insight, we are providing optimal approaches for OEMs, suppliers and their outsourced partners to collaborate in real time to improve their product quality and lower warranty costs, as they can all access the same information, regardless of geographic location or IT infrastructure. Moreover, by offering our Software as a Service - OnDemand, it makes it easier to adopt, as users can access data anytime and anywhere as well as get up to speed quicker and with lower implementation costs.”

The repair module in some ways can be equated with Manufacturing Execution Systems (MES) systems. However, it offers a substantial value add in that the repair data can be correlated along with other product development, test and quality information so that the exact product defect can be quickly identified. Also, it captures granular parametric data for each device as opposed to just capturing overview summary data. Of further note, Repair Insight is compatible with other software. For example, ART, (Agilent Repair Tool) data can also be uploaded into Repair Insight. The failure analysis and corrective action information from Repair Insight is captured via a form and a web service application programming interface (API) and displayed via user-friendly dashboards.

SigmaSure 6.0 Provides Enhanced Collaboration Features

Beyond Repair Insight, the newly released SigmaSure 6.0 software features several significant upgrades. Most notably, the company is now offering group dashboards so that groups of users can add to and share their dashboard information. The information can also be exported into PDF or executable files so data can be shared with outside teams and organizations that may not have access to SigmaSure or the particular dashboard being viewed. Further, the SigmaSure Alerts System now sends alerts via email so users don't need to be logged onto the dashboard to see if there is a warning. The software provides alerts on product, process, parametric, station and fixture type of issues. Examples of such events that could trigger such alerts are Marginal Measurements and Escapes -- product defects that frequently fail to be detected at the manufacturing test stage and get delivered to the customer.

Jake Kulp, vice president of sales and marketing at MC Assembly, a national leader in the contract manufacturing industry, noted, "SigmaQuest's Repair Insight fills an important link in the product quality tracking and management process. Now, it will be even easier to pinpoint the exact cause of a product failure and ensure that our repair teams are making the appropriate fixes. Moreover, it ties in well with our existing portfolio of SigmaQuest software that enables us to track the quality of our products from the moment they enter manufacturing and throughout their lifecycles."

Pricing and Availability

SigmaSure 6.0 with Repair Insight as an optional module is available today as an OnDemand product starting at a U.S. list price of \$8,500 per month.

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Simucad Overhauls Entire EDA Licensing Model

13 March 2007

All too often, expensive EDA tools sit idle on customers' systems waiting for important but occasional use. These idle tools represent a significant investment that is never fully utilized. At the same time, the design process may be slowed due to a shortage of licenses for tools currently required within the design flow. With traditional licensing, these bottlenecks are only solved by spending large amounts of money

on additional tool-specific licenses that could then join other idle licenses after the design moves to another stage in the design flow.

With the introduction of the Real-Time Remix™ Licensing model, EDA designers finally have full flexibility and control over their tools.

Real-Time Remix is a token-based environment in which a number of tokens are purchased. These tokens are used instead of licenses to run any combination of Simucad's EDA design tools. When a tool is launched, it checks out a pre-defined number of tokens from the available pool. When the tool exits, the tokens are released back to the pool. All of this happens in real time without any contact with the tool vendor.

The Real-Time Remix model maximizes the return on investment and removes the pressure from CAD managers to accurately predict and purchase the correct mix of tools. No additional purchase is required for new tools as they become available.

“Using Tokens for tools is truly revolutionary and all vendors should be pushed to support it,” says Suraj Bhaskaran of [Thermo Fisher Scientific, Inc.](#) “With the advent of this new token-based system we immediately converted all of our traditional Simucad licenses to tokens. This provides us with complete flexibility on the tools we use and maximizes our return on investment. When we are approaching tape-out and our pool of tokens needs augmenting, Simucad will also supply short term tokens to cover peak demands.”

Dr. Ivan Pesic, President and CEO of [Simucad](#) adds, “The Real-Time Remix licensing model will make our customers very happy. It removes licensing shackles that have existed for years, and the customer is finally free to have full access to any tools whenever they need them.”

See <http://www.simucad.com/realtimeremix> for full details.

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SpaceClaim Launches Breakthrough 3D Mechanical Design Technology

14 March 2007

SpaceClaim Corp. announced the launch of its flagship product, SpaceClaim Professional 2007. Recognizing that the benefits of 3D mechanical design remain out of reach for most who contribute directly to product development, SpaceClaim Corp. makes 3D modeling accessible through a highly flexible design environment coupled with a modern user experience. With SpaceClaim Professional 2007, engineers retain focus on their core competencies while benefiting from a powerful 3D modeler that speeds their contributions to the product development process. SpaceClaim distinguishes itself further with an open data format that ensures full and continued access to product definition.

“SpaceClaim Professional 2007 finally puts usable 3D at the fingertips of engineers. This allows them to easily contribute more complete and accurate input earlier in the product lifecycle, when it is most cost-effective,” said Mike Payne, SpaceClaim CEO, and previously a co-founder of PTC® and SolidWorks®. “SpaceClaim Professional 2007 breaks new ground by providing a modern, user-focused 3D mechanical design experience for engineering professionals who work with the design team to bring higher quality products to market faster. Through a select number of intelligent tools, SpaceClaim frees users to focus on their design contributions rather than struggling with how to use 3D software.”

SpaceClaim bridges the gap between designers and those in the extended product development team—such as suppliers, manufacturing engineers, analysis engineers, and engineering management—who lack access or time to master the designers’ 3D CAD system. To date, the benefits of 3D have remained concentrated in the hands of dedicated CAD specialists. As a result, the people who contribute to design conceptualization, review, analysis, and manufacturing communicate with the design team through insufficient view-only file formats or, even, paper.

With SpaceClaim the extended team can work directly with the 3D model to fully investigate the impact of each idea and validate the geometry of change requests before sharing them with the design team. This improves the quality of each design iteration and frees the CAD specialist to work with only valid requests, resulting in higher quality products and shorter time to market.

SpaceClaim Professional 2007 fits into the existing workflow of product development by enabling users to import and work with models created in many CAD systems. Additionally, SpaceClaim’s open XML data format ensures that its customers, rather than the software vendor, retain ownership of and access to their product data.

SpaceClaim Professional 2007

SpaceClaim Professional 2007 provides 3D modeling capabilities, using a select number of intelligent tools, in a unified part and assembly workspace. SpaceClaim Professional 2007 key features and benefits include:

- **Flexible Modeling** technology provides a highly-adaptive design environment that supports unanticipated design directions, making SpaceClaim ideal for conceptual engineering, design creation, and modification.
- **Geometric Inferencing** works unobtrusively and in real time to highlight design similarities, such as equal radius holes or coplanar surfaces, to aid the user during geometry creation and modification.
- **Open XML** data format makes all design data accessible for product data and lifecycle management, ensuring long-term protection of customer data.

- **SmartTools™** understand the user's modeling intent simply by recognizing what geometry is selected and in what context. By determining what operation to perform without excessive drop-down menus, dialogue boxes, and user clicks, SpaceClaim dramatically improves users' **productivity**.
- **Hints** are a unique user interface advancement that automatically presents design considerations, such as maintaining same size holes or wall thickness, in the form of localized "snaps". Hints eliminate the need for the user to enter specific dimensions or interrogate the model before changing or adding geometry.
- **Power Select** enables users to search the model for like geometry and to select as a group from the resulting list in order to modify, move, or delete all at once. This streamlined selection process greatly improves personal productivity and overall design efficiency.
- **Associative Drawing** environment enables design changes, as well as geometry creation and modification, from within drawing views. The drawing environment provides a familiar work space for those accustomed to working in 2D. Drawings support annotations, including geometric dimensioning and tolerances, to JIS, ISO, and ANSI® standards.

For a full list of SpaceClaim Professional 2007 features and benefits—including technology differences, user interface advancements, main tools, mark-up capabilities, and data exchange functionality—visit: <http://www.spaceclaim.com/products.aspx>.

Availability

SpaceClaim Professional 2007 will be released on 30 March 2007 and will be available for license at a price of \$125 per month, per user, based on a 3-year term. A 1-year term is also available, and both terms include full support and updates. The SpaceClaim product line includes: SpaceClaim Professional 2007 with complimentary Home Edition, and a free SpaceClaim Viewer. In addition, SpaceClaim offers a Data Exchange product for translators beyond the industry standards and a product that supports CATIA® V5 data exchange. SpaceClaim also offers a library of standard parts. For more information regarding sales and support, please visit <http://www.spaceclaim.com/>.

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Telelogic Strengthens System Architect in Support of Improved Enterprise Architecture and Business Process Analysis

13 March 2007

Telelogic announced the latest release of Telelogic System Architect® v10.6. Today's announcement is a significant step in Telelogic's strategy to give a much wider range of stakeholders access to enterprise architecture and business process information.

Telelogic System Architect enables organizations worldwide to design, visualize, analyze and publish business models and enterprise architectures that help them understand the relationships between their technology, processes and data. With this information, organizations can be more agile and flexible in addressing their ever-changing technology and business objectives.

The latest System Architect release features major updates that help both businesses and defense organizations gather, analyze and share the knowledge contained in their enterprise architectures to make better decisions about their technology investments and business operations. New features include:

HP Universal CMDB support. System Architect is now fully integrated with the HP (formerly Mercury) Universal CMDB Configuration Management Database that enables the automatic mapping of IT applications, hardware, software and services into the EA repository to accelerate the enterprise architecture development process. **MODAF Support.** System Architect, one of the first modeling tools to be certified for use with the U.K. Ministry of Defence's Architectural Framework (MODAF), streamlines the adoption of this framework within various projects worldwide.

System Architect/XT for Web services. System Architect now offers support for Web services using System Architect/XT™, which provides real-time live access to the System Architect repository from anywhere, at anytime. This capability enables organizations to include information from the System Architect repository in their business processes using a Service-Oriented Architecture (SOA).

Japanese language. System Architect is now available in a Japanese language version, backed by full Telelogic customer and technical support.

Supplementary materials are listed below.

“Today’s IT organizations manage a wide range of programs ranging from application mapping to Web services,” said Greg Sikes, Executive Vice President, Modeling Solutions Product Division, Telelogic. “Our goal is to deliver solutions that support ‘Actionable Architecture’ or the development of an enterprise architecture that gives IT executives the information they need to make better decisions and understand how IT initiatives align with their business goals.

“The latest version of System Architect supports Actionable Architecture through solutions that capture, analyze and share key information about an organization and transform it into a communication platform that targets the organization’s specific needs. By having an Actionable Architecture, IT executives in business and defense can make better decisions about the role of technology in operations and from that knowledge drive innovation and agility,” Sikes added.

Telelogic is a leader in ‘Actionable Architecture’ software solutions that help organizations increase efficiency and agility by relating systems, data, and processes to the broader goals of the enterprise. An Actionable Architecture promotes innovation and responsiveness by increasing understanding of how business operations support or hinder new product/service/application development. Whether for IT investment strategies, best-practice, regulatory compliance, managing change, adding/deploying new services, analyzing business processes to identify redundancies, or opportunities for improvement, an

Actionable Architecture gives organizations worldwide the information they need to define how and where to harness innovation.

System Architect V10.6 and the options described above are currently available. For more information, visit <http://www.telelogic.com/>.

To learn more about Telelogic's newly released MODAF offering, please visit the following;

<http://www.telelogic.com/standards/modaf.cfm>

Supplementary Materials

System Architect/HP Universal CMDB integration. System Architect is now integrated with the HP Universal CMDB with application auto-discovery and mapping capabilities. Telelogic customers can now automatically map their IT data to applications using the HP Universal CMDB and application mapping solution to streamline and accelerate the EA development process. The EA team can visualize, analyze, and share this knowledge throughout the organization and make better decisions at all levels – from strategic to operational to tactical. Joint customers can use System Architect to identify and assess IT architecture and technology risks and address system redundancy and obsolescence issues. Customers can also better realize the value of their SOA initiatives by modeling and simulating the proposed services to understand the underlying technology required for those services. This feature is an option available to SA v10.6 users.

System Architect/XT for Web Services extends real-time access to the System Architect live repository to users anywhere in the world using Web services. Information in the repository is extracted, translated into XML format, and can then be fed into a management dashboard or other SOA-related application. This feature is ideal for SOA reporting and tracking. SA/XT is Telelogic's answer to online access to its EA repository. Using this product, EA teams can make changes to the repository at any time; all information in the repository is centrally managed. By increasing communication and collaboration in a distributed workforce, System Architect/XT transforms geographically dispersed workgroups into an integrated team and encourages greater participation across the organization. This feature is available on a per-license basis.

System Architect/MODAF offers integrated support for the UK's popular defense framework. It is one of the first modeling products to be certified for use with MODAF. The product can be used for building models representing MOD architectures, auto-generating MODAF work products, storing that work in a robust repository, and publishing the architectures to a wide audience using sophisticated auto-Web site generation facilities. This option facilitates the adoption of the framework and ensures a common vocabulary and architecture approach among architecture teams. System Architect supports all major industry frameworks including DoDAF (US & Australia), Zachman, TOGAF, TM Forum and others. System Architect/MODAF is an option to System Architect.

System Architect for Japan translates System Architect into the Japanese character set, which enables Japanese enterprise architects and IT professionals to leverage all of the features currently available in

System Architect. System Architect for Japan will be updated as part of any System Architect global release. Japanese organizations now have access to System Architect in its native language, with full Telelogic sales and technical support.

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Zuken and Industry Partners Pioneer Design and Supply Chain Methodology for System-in-Package Technology

14 March 2007

Zuken has joined a UK government-driven initiative; the ADEPT-SiP project, that has been set up with the objective of developing a rigorous methodology to assist organizations across the globe in the design and manufacture of system-in-package technology.

The product of this right-first-time design and supply chain methodology will be a design kit for embedded components within printed circuit boards, including functionality for simulation and modelling. Zuken's initial role is to establish SiP (system-in-package) design to manufacturing requirements and define the direction for new design solution development. After analyzing the entire design process, Zuken will provide recommendations for development of the software elements required from each industry partner in order to generate the complete design kit. The availability of this package will then enable SiP to be widely adopted within the electronics industry.

“The mass use of cellular phones, laptops, cameras, PDAs and general RF and wireless devices has really driven an increase in demand for SiP technology. We recognize a real requirement for developing design tools and methodologies that will allow this rapid market growth to continue. By working with the UK government and industry partners, we hope to focus on addressing these R&D needs,” stated Tony Cadwell, Zuken's Northern Europe Sales Manager involved in this project.

For more information about the ADEPT-SiP project visit <http://www.adept-sip.com/>

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