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CIMdata News

CIMdata Announces Date and Location of Its Next CIMdata PLM Certificate Program; Next CIMdata PLM Certificate Program Scheduled for Neumarkt, Germany, May 3-7, 2010

3 March 2010

CIMdata, Inc., the leading global Product Lifecycle Management (PLM) consulting and research firm announces that the next CIMdata PLM Certificate Program is to be held in Neumarkt, Germany from May 3-7, 2010. The [CIMdata PLM Certificate Program](#) is the flagship offering of CIMdata PLM Leadership—the PLM industry's most comprehensive non-biased education and training offering for today's PLM professionals.

The CIMdata PLM Certificate Program prepares PLM professionals at several levels to successfully address the challenges inherent in PLM implementations. This assessment-based certificate program includes an intimate classroom experience, individual and team-based exercises, and individual evaluations of achievement. Additionally, the program provides candidates with intensive and extensive exposure to a team of CIMdata experts. Upon successful completion of the program, each participant receives a CIMdata PLM Certificate and thereby becomes a member of CIMdata's global *PLM Leadership* community.

According to Mr. Peter Bilello, CIMdata's Vice President, "CIMdata is excited to announce our May 2010 CIMdata PLM Certificate Program in southern Germany. This program will be hosted by

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CIMdata's newest PLM Leadership Alliance Member, ECS GmbH. Over the last several years, we have observed an increasing number of German companies looking at PLM as an enterprise critical initiative. As a result, we feel that it is important to make the CIMdata PLM Certificate Program easier to access for companies within the region." PLM Certificate Program participants can register online for either the 3-day or complete 5-day program. This certificate program is available to industrial companies who are considering and/or implementing PLM, and to PLM technology and service suppliers. The CIMdata PLM Certificate Program is built on CIMdata's more than 25 years of extensive worldwide experience guiding industrial companies in successfully defining and implementing best-in-class PLM strategies and tactics. Please refer to CIMdata's website at www.CIMdata.com for detailed information on the CIMdata PLM Certificate Program, and for registering to it.

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding more than 25 years ago, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata's services, visit our website at www.CIMdata.com or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Siriusdreef 17-27, 2132 WT Hoofddorp, The Netherlands. Tel: +31 (0)23 568-9385. Fax: +31 (0)23 568-9111.

About ECS GmbH

ECS—Engineering Consulting and Solutions GmbH is a leading specialist in Product Lifecycle Management (PLM). With its international network of partners, ECS covers the complete product lifecycle from initial concept, development and construction, through manufacturing, sales and service, to recycling. The ECS portfolio includes business process design and improvement, product data modeling and system integration as well as an extensive and in-depth knowledge of the standard solutions from software providers like Oracle, IBM, PTC, SAP, or Siemens PLM. ECS also provides products of its own for the manufacturing industries in the form of the eCenter integration platform and the SAP-certified partner solution PLM Integrator. ECS customers come from mechanical, electrical, and plant engineering, automotive, information and communication sectors, as well as aviation and space technology. The ECS network employs 120 engineers worldwide. Visit their website at www.ecs-gmbh.de or contact ECS at Holzgartenstrasse 8, D-92318 Neumarkt, Germany. Tel: +49 (0)9181 4764-16. Fax: +49 (0)9181 4764-50. Email: info@ecs-gmbh.de.

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Company News

AspenTech Signs New Commercial Agents in Kuwait and Abu Dhabi

3 March 2010

[Aspen Technology, Inc.](#) announced the signing of new commercial agents in the Middle East – Arabesque Group, in Kuwait, and Independent Technical Services (ITS), in Abu Dhabi. The new agents further expand AspenTech’s Middle East presence, following the recent opening of a regional direct sales office in Manama, Bahrain.

- Led by Ahmed Al-Atheri, Arabesque Group has 17 years of experience serving the process industries in Kuwait, including selling aspenONE process optimization tools.
- Led by Saad Bunni, ITS has 15 years of experience serving the oil, gas and utility industries in the United Arab Emirates, including owner-operators and engineering and construction companies.
- AspenTech’s expanded presence in the Middle East builds on a long history of working with the world’s biggest energy and chemical producers. AspenTech customers in the region include Saudi Aramco, SABIC, Abu Dhabi National Oil Company (Adnoc), Abu Dhabi Gas Industries (GASCO), Qatar Gas, and Kuwait National Petroleum Company (KNPC).

Supporting Quote:

Antonio Pietri, Executive Vice President, Field Operations, AspenTech

“For more than a decade, AspenTech solutions have been used by Middle East customers representing some of the largest energy producers in the world. We are growing our Middle East presence as investment continues to be made by process manufacturers across our core industries in energy, chemicals and petrochemicals. We will continue to build up our supporting infrastructure to make it easier for more companies in the region to use the industry’s leading solutions for process optimization.”

Supporting Resources:

Links to more information:

- [Arabesque Group](#)
- [Press Release: New AspenTech Office in Bahrain](#)
- [AspenTech Middle East “Engineering Excellence” Series](#)

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Autodesk Platinum Club Recognizes Outstanding Partners for Fiscal Year 2010

2 March 2010

At its annual global channel partner event, [One Team Conference \(OTC\), Autodesk, Inc.](#), inducted 11 [Value Added Resellers](#) (VARs) and Value Added Distributors (VADs) into the Autodesk Platinum Club 2010. These companies have demonstrated strong sales performance and commitment to customer service in fiscal year 2010.

Autodesk Platinum Club members include channel partners who have excelled in sales, growth and other key measures. The Platinum Club also includes channel partners who were the leading commercial education, government or distribution partners in their Americas sales region.

Platinum Club 2010 Winners—North America

Reseller of the Year

[CADD Microsystems, Inc.](#)

Top Reseller in Overall Manufacturing Solutions Sales Growth

[Synergis Technologies](#)

Top Reseller in Overall M&E Sales Growth

[3vis](#)

Top Reseller in Overall Government Sales Growth

[U.S. CAD](#)

Top Reseller in Overall Education Sales Growth

[Studica, Inc.](#)

Top Reseller in Overall Product Sales Growth

[M2 Technologies](#)

Top Reseller in Overall AEC Sales Growth

[CAD MicroSolutions](#)

Top Reseller in Marketing

[U.S. CAD](#)

Latin America Awards

Top Reseller in Overall AEC Sales Growth

[Brasoftware Informatica Ltda.](#)

Top Reseller in Overall Manufacturing Solutions Sales Growth

[MapData Tecnologia](#)

Top Reseller in Overall Platform Solutions and Emerging Business Sales Growth

[Best Software](#)

Top Distributor—Overall Sales Growth

[PARS](#)

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Autodesk Honors Value-Added Resellers on 25th Anniversary

2 March 2010

[Autodesk, Inc](#) announced that 10 [Value-Added Resellers](#) (VARs) from around the world are celebrating 25 years of outstanding commitment to sales and customer service as Autodesk partners. This year's VARs include:

[Cideon](#) – Germany

[Eberhard Systems](#) – New York

[Man and Machine](#) – United Kingdom, Germany, France

[Mid-West CAD](#) – Missouri

[Peterschinegg](#) – Austria

[Studica, Inc.](#) – United States, Canada, United Kingdom and Brazil

[Synergis Technologies](#) – Pennsylvania

[Teaching Systems](#) – Texas

[Technical Training Aids](#) – Alabama

[Varitronics](#) – New Jersey

Since partnering with Autodesk 25 years ago, these companies have helped customers take advantage of Autodesk's 2D and 3D design, engineering and entertainment solutions to solve business problems and help bring their visions to life. Watch a series of [reseller slidecast videos](#) to hear about their experience in the industry over the past 25 years.

This year's Silver Anniversary VARs are part of a larger global network comprising more than 1,900 channel partners, all of whom help customers across multiple industries, including architecture, engineering and construction; manufacturing; automotive; utilities and government; telecommunications; gaming; TV and film.

Autodesk supports its global partner network through initiatives that include a distinguished reseller recognition program, a customer engagement program that has helped increase partner solutions sales, investments in channel capacity and capability through immersive training, and a channel partner web portal designed to provide resellers fast, easy access to materials, program information and news.

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Avatech Solutions Receives New Designation that Recognizes Excellence in Building Product Modeling Services

1 March 2010

[Avatech Solutions, Inc.](#) announced it has been designated an Autodesk Seek Content Service Provider.

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This designation recognizes Avatech's role in helping building product manufacturers develop data-rich 3D models of their products for easy download and inclusion into digital building information models (BIM).

BIM encompasses the creation and use of a coordinated, consistent 3D model in which objects reflect real-world behavior and specifications—and is a process being adopted by architectural, engineering and construction (AEC) firms at a phenomenal rate. With more than 80 percent of the top AEC firms worldwide now using BIM, manufacturers need to ensure that their products integrate into the BIM process that is driving large institutional, commercial, and industrial building projects.

The consulting services group at Avatech has worked successfully with a wide variety of building product manufacturers to develop modeling program strategies and BIM product content. Avatech's new Autodesk designation ensures that clients' models comply with the standards preferred by the millions of Autodesk Revit® and AutoCAD® users worldwide.

“Developed for professional designers, Autodesk Seek is an online source of digital product models that employ established style guidelines and standards. We have been providing models that meet or exceed these requirements for some time,” says Scott Hale, Vice President of Manufacturing Consulting Services, Avatech Solutions. “We're helping manufacturers build detailed BIM product models that architects and engineers can discover online and embed directly in their projects. As a result, these manufacturers are able to win more business at a much earlier stage in the building design and construction process,” Hale continues.

Avatech's mechanical and architectural application specialists have real-world experience and understand how architects incorporate building products into their designs, as well as how manufacturers design and produce those products. This understanding enables the consulting group to provide strategic direction to their manufacturing clients—not simply content development services.

“Autodesk [Seek](#) is fast becoming an important online channel for building product manufacturers to market and sell their products. Our new designation recognizes our proficiency in helping manufacturers develop their product content for this channel in a way that is growing in lock-step with the exploding BIM movement,” Hale concludes.

For more information about Avatech's BIM Services and to see a white paper for building product manufacturers, visit <http://www.avatech.com/BPM>

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AVEVA's Academic Initiative to Cover 19 Korean Education Institutions

2 March 2010

AVEVA Group plc announced that it is collaborating with 19 universities, colleges and industrial high schools in Korea, that are offering courses related to marine engineering and design, throughout 2010. In 2007, the AVEVA Academic Initiative covered 12 education institutions including key universities such as Seoul National University and Busan National University.

South Korea's marine engineering education system is amongst the most progressive in the world, with many universities cooperating with the shipbuilding industry to keep their syllabuses industry-centric. The most recent AVEVA Academic Initiative partners - Gyeongsang National University, Inha University and ChungName Universities are co-operating with Daewoo Shipbuilding & Marine Engineering, Sungdong Shipbuilding & Marine Engineering and Samsung Heavy Industries.

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SoonSup Lee, Assistant Professor, Department of Naval Architecture, Gyeongsang National University, said: "AVEVA Marine is incorporated in 4 subjects in our syllabus; they are Computer Aided Drawing I & II, Ship Basic Calculations and Computer Aided Ship Design. Undergraduates will get both theoretical and practical experience using AVEVA Marine when they enrol for practical training with shipbuilders the university cooperates with."

Peter Finch, President, AVEVA Asia Pacific, said: "AVEVA is eager to support South Korea's commitment to a comprehensive education map for marine engineering. We are making our solutions accessible to students from various levels from high school to college and university. This will ensure - that the future generation of shipbuilders has core competencies using AVEVA Marine, which is the preferred solutions provider amongst yards and offshore fabricators in Korea."

About the AVEVA Academic Initiative

Skills shortages continue to be a challenge in most engineering companies and it will take some time for the recent increases in the number of engineering students at universities and technical colleges to overcome the generation gap that currently exists in the market.

In recognition of this, and in addition to its own in-house graduate recruitment schemes, AVEVA will continue to work with educational establishments and government bodies around the world to support initiatives aimed at narrowing the skills gap.

In particular, AVEVA will continue to:

- Work with universities and technical institutes to promote the use of AVEVA products within undergraduate courses and postgraduate research projects;
- Work with government agencies to re-skill engineers from other disciplines; and
- Work with engineering bodies to encourage school leavers to pursue careers in engineering.

AVEVA sees this as a vital investment that will bring long term benefits to the engineering world.

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Design Engineers Across The Globe Compete in 'Create the Future' Contest

1 March 2010

The eighth "Create the Future" Design Contest (<http://www.createthefuture2010.com>) sponsored by [PTC](#), [COMSOL](#) and [Tech Briefs Media Group](#) opens today and entries will be accepted through June 30, 2010. The contest is an opportunity to receive global recognition and a cash prize of \$20,000 for a breakthrough product idea.

Past contests have generated over 1,000 design ideas annually from engineers, educators and students in more than 50 countries. Previous grand prize winning entries include a device that makes CPR easy and safe for anyone to perform, a fuel-saving motor/pump for cars and trucks, a low-cost in-vehicle emergency warning system, and a new type of energy-efficient lighting.

The "Create the Future" Design Contest has been responsible for bringing attention to product designs that increase the quality of life, improve the efficiency and quality of healthcare, and help to reduce dependence on non-renewable energy sources.

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Additional prizes will also be awarded to winners in the six entry categories. Contest categories are Consumer Products; Machinery & Equipment; Medical; Safety and Security; Sustainable Technologies; and Transportation. Contest entries can be submitted by an individual or a team. An independent industry panel will judge the entries. Web site visitors are invited to vote for their favorite entry. For more information on how to enter the contest, go to www.createthefuture2010.com.

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Enterprise PDM Integration has Never Been Easier; Zero Wait-State Announces Leading SolidWorks Reseller GoEngineer as Master Distributor for DesignState

5 March 2010

[Zero Wait-State](#) has formalized an agreement with [GoEngineer](#), a leading reseller of SolidWorks, Enterprise PDM (EPDM) and Agile PLM to allow GoEngineer to be an exclusive master distributor for the [DesignState EPDM Agile PLM connector](#). This agreement will allow GoEngineer to sell the product directly to their current SolidWorks and Agile customers and sign up other SolidWorks resellers across the country to do likewise.

“This partnership is very synergistic for GoEngineer. As a leading reseller for both Solidworks and AgilePLM the DesignState connector for Enterprise PDM and Agile PLM fits our go to market strategy. Our clients need a way to streamline their data management and then leverage that information across their enterprise. Enterprise PDM and Agile are the most capable tools for managing product development information and allowing full collaboration across an organization and even out to the supply chain. DesignState gives our customers the freedom to choose the best applications for their business. We have seen a significant amount of interest in our customer base for DesignState and with our initiatives to expand the adoption of EPDM we anticipate significant growth through the year. We look forward to working with Zero Wait-State and expanding what has already been a successful relationship and a proven solution for our customers.” states Ken Colburn, GoEngineer CEO.

“Zero Wait-State is very excited to find such a great match for our technology. GoEngineer’s focus on data management and their success with EPDM and Agile make them the perfect fit for the DesignState EPDM to Agile connector.” said Stephen Porter, Partner and Vice President of Sales and Marketing at Zero Wait-State.

Zero Wait-State and GoEngineer are planning a [joint webinar on March 9th](#) to demonstrate the capabilities of EPDM and Agile along with the new DesignState connector that allows information to flow between the two products. This integration allows companies to use the most flexible robust tools to manage SolidWorks information and effectively leverage it across the enterprise.

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Fujitsu Boosts Service Offerings to Communication Services Providers with Tribold Partnership

3 March 2010

Fujitsu announced a regional partnership with [Tribold Limited](#).

Tribold EPM™ is the first solution certified by the Telecommunications Management Forum (TMF) against the Information Framework (SID). TMF is the world’s leading industry association for service providers and their suppliers to access practical solutions that improves business efficiency. The Forum

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also provides guidance and leadership to transform the way that a CSP creates, delivers and charges for product and services.

Tribold EPM™ offers the following to Communication Service Providers (CSPs):

- **Product & Service Data Management (PDM) & Centralized Product Catalog (CPC).** Normalized and holistic product & service definition, Centralized MDM for product and service catalog, rationalized and reusable product data and rules
- **Product & Service Data Integration (PDI).** Control over data distribution and launch, automated integration of product data across the enterprise
- **Product & Service Lifecycle Management (PLM).** Products managed through a defined, repeatable and measurable process throughout the full lifecycle
- **Product & Service Business Intelligence (PBI).** Standardized operational product reporting (e.g., price books, BOMs) and enhanced product performance analysis (e.g., unit cost, profitability, penetration)
- **Product & Service Channel Management (PCM),** Exposing the relevant product catalog to the various eco-system channels – customer, reseller, partner provider for content, services, devices and networks

Tribold EPM™ is used to create a certified reference definition for a product or service. Without this certified product reference definition, the CSP finds itself using data from many sources which are incomplete, out of date and conflicting. The result is a high order rejection rate in the order management process.

In addition, pricing and product rules are often dispersed within a CSP's backend systems, which create the challenge of identifying which data within the system is accurate. This causes incorrect offers being extended to customers, which in turn, result in billing errors.

Finally, for historical reasons, order fulfilment processes are typically hard-coded based on the product instance. This method is inefficient such that each time a new product is created, the order fulfilment processes need to be rebuilt from scratch, regardless of how similar the new product is to existing products.

Tribold EPM™ meets these three challenges by creating a single point of product truth for the ordering portal and all backend systems. With this method, the CSP is able to:

1. Ensure that all product reference definitions are always up to date and correct with no data synchronisation issues. This eliminates invalid orders due to data alignment problems.
2. Ensure that all offers and associated pricing is always available to any system or a process that needs it. This eliminates incorrect offers being issued to customers that lead to billing errors.
3. Eliminate hard-coded order fulfilment processes and replace the process with workflows that are easily modified. This promotes a high level of reusability of existing products for new creations, which results in a dramatic time saving in launching new products.

“Fujitsu is proud to partner Tribold because we feel this product represents a new paradigm for CSPs. As CSPs move into an increasingly competitive environment, a major source of differentiation will be derived by the CSPs' ability to quickly develop and launch new products. Fujitsu sees the Tribold suite of solutions as a critical element required in this new world,” said Mr. David Bowden, Vice President of

Strategic Initiatives for Fujitsu.

“Tribold is honoured to tap into Fujitsu’s expertise and presence in Southeast Asia. We are confident that the partnership will allow CSPs in Southeast Asia to radically reduce both Time to Market and Cost to Market for product and service management in line with the ultimate need for driving profitable growth,” said Ernest Margitta, Director of Marketing at Tribold.

Under the agreement, Fujitsu will resell, distribute, promote and market Tribold EPM™ the market leading Enterprise Product Management (EPM) solution. Other companies under the Fujitsu Group will also perform similar roles in regional markets including Malaysia, Thailand, Indonesia, Vietnam, Laos and Cambodia.

About Fujitsu Asia

Fujitsu Asia was established in Singapore in 1997 to provide leadership in business development, technology innovation and customer support as regional headquarters for the Fujitsu group of companies in ASEAN. Building on Fujitsu’s three decades of experience in the ASEAN region and with a pool of highly skilled engineering talent, Fujitsu Asia is dedicated to providing comprehensive integrated IT-based business solutions that deliver tangible business value and enable customers to meet the challenges of the new global economy. Fujitsu Asia is a wholly owned subsidiary of Tokyo-based Fujitsu Limited (TSE:6702), a leading provider of IT-based business solutions for the global marketplace. For details, please visit: <http://sg.fujitsu.com>.

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Interoperability Guide for Power Format Standards Published by Si2’s Low Power Coalition

2 March 2010

Silicon Integration Initiative (Si2) announced that an “Interoperability Guide for Power Format Standards” has been published by Si2’s Low Power Coalition. The objective of this document is to facilitate interoperability between CPF v1.1 and IEEE 1801-2009 in support of multi-vendor tool flows. It is available to the industry at: <http://www.si2.org/?page=1126>

The guide documents a mapping between the subset of commands and arguments in 1801 and CPF that can be used to describe a low power design with consistent semantics to drive verification and implementation. This document, when combined with the Si2 LPC Glossary v1.1 (<http://www.si2.org/?page=1049>), provides a complete and in-depth understanding of the key commonalities between the two power formats.

Si2 and the LPC also plan to offer, at no charge, a web-based seminar on best practices for low-power design flows that incorporate both formats, based upon this guide. Further details and free registration will be posted at <http://www.si2.org/?page=1128>

“The Interoperability Guide provides a tool for system architects, IP developers, RTL designers, verification engineers, logic and physical implementation engineers when working on power-sensitive IC designs in a multi-vendor EDA tool environment,” says Gary Delp, CTO of the Spirit Consortium and Chair of the IEEE P1801 Working Group. “I appreciate the leadership of LPC members to address this industry concern and further drive interoperability in low-power design.”

“The LPC’s dedication to take a broad view of low-power design is commendable,” said Gill Watt, SOC CAD manager from AMD, Low Power Coalition Chair. “We look forward to adopting these best

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practices to help improve interoperability in our own multi-vendor design flows.”

The CPF standard was initially released in March of 2007. Today, CPF is supported by many adoption aids and tools, all available from Si2: a CPF tutorial (in both English and Mandarin), CPF Parser software, the CPF Pocket Reference Guide, and an LPC Glossary. A CPF Relational Analyzer is freely available to LPC members. CPF is also supported by the Power Forward Initiative (<http://www.powerforward.org>), which is not affiliated with Si2 or the LPC.

The Low Power Coalition is an open industry group operating under the auspices of Si2. All interested parties are invited to join existing LPC members and participate.

About the Low Power Coalition (LPC)

The Low-Power Coalition (LPC) is delivering enhanced capabilities in low-power Integrated Circuit (IC) design flows relating to specification of low-power design intent, architectural tradeoffs, logical/physical implementation, design verification and testability. Member companies are: Advanced Micro Devices, Apache Design Solutions, ARM, Atrenta, Cadence Design Systems, Calypto Design Systems, Entasys, IBM, LSI Logic, Magma Design Automation, NXP, and Virage Logic. For further information, see <http://www.si2.org/?page=726>.

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Processia Solutions Joins Aras Partner Program

3 March 2010

Aras® announced that [Processia Solutions](#), a recognized leader in the field of PLM integration and optimization in North America and Europe, has joined the Aras Partner Program.

Processia Solutions provides a full range of professional services for PLM including business consulting, solution design, application integration, implementation services and Agile software development. Processia has vertical industry experience across aerospace, automotive, transportation, government, and others with customers such as Bombardier, Alstom, Airbus, Pratt & Whitney, and Volvo.

“The [Aras](#) Web architecture is very modern, scalable and flexible; all of which are really important for a successful PLM implementation,” Marc Allard, Président and CEO of Processia Solutions. “Aras has created a very compelling value proposition for global businesses of all sizes specifically by combining advanced PLM solutions with the functionalities that suits a large spectrum of industries.”

“We welcome Processia Solutions to the Aras partner program and are pleased to have them join the corporate community,” said Peter Schroer, President of Aras. “Processia’s proven track record of success in PLM solution deployment and systems integration provides companies with a trusted provider for enterprise open source PLM implementations.”

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RAND North America Launches New Consulting Services

4 March 2010

RAND North America, a Dassault Systemes ([DS](#)) Company, announced the launch of its consulting services division, RAND NA Consulting Services, as the next stage of its development as an

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international reseller dedicated exclusively to the DS PLM portfolio of solutions. Driven by the growth in demand of its Dassault Systemes Product Lifecycle Management (PLM) software, and complementary best-in-class third party solutions, RAND NA Consulting Services will provide extensive solutions expertise in a diverse set of industries, including automotive, aerospace, consumer goods, life sciences, high technology, industrial equipment, and civil engineering.

The RAND North America Technology Center, also announced today, will house RAND NA's new technology support center, data center, Customer Executive Briefing Center and Training Laboratory. RAND NA will continue providing Training Services drawn from both its in-house expertise, as well as the extensive curriculum of its training partner, RAND Worldwide.

"By assembling a world-class consulting team with extensive software, IT, and industry knowledge we provide our customers with unparalleled expertise on the DS V5 and V6 solution-set. RAND NA Consulting significantly impacts our customers' productivity and profitability by providing them with access to our internally developed best practices, automation techniques, and solutions, as well as those of our best-in-class services partners such as Dassault Systemes Services, headquartered in Montreal, and NovaQuest Solutions LLC, a strategic services partner for DS's ENOVIA V6 portfolio of solutions, based in Charlotte, North Carolina," said Dan J. Smith, vice president, Consulting Services, RAND North America.

RAND NA Consulting's portfolio will include solutions for installation, implementation, license management, best practice development and deployment, as well as high value automation services designed to maximize a customer's return on their DS PLM investment. As part of their new Consulting Services, RAND NA is offering the "Advantage Support Services" solution, which includes live hotline support, 24x7 web support services, media services, and service request management.

More information on these support services can be found on the RAND North America support website at <http://www.rand-na.com/pages/support.html>.

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RAND Worldwide Earns Recognition as a John Deere "Partner-Level Supplier"

3 March 2010

[RAND Worldwide](#) announced it has earned recognition, for the eighth consecutive year, as a Partner-level supplier for 2009 in the John Deere Achieving Excellence Program.

RAND Worldwide supplies customized Pro/ENGINEER training services to John Deere's operations at several sites across North America and Europe.

Suppliers who participate in the Achieving Excellence program are evaluated annually in several key performance categories, including quality, cost management, delivery, technical support and wavelength, which is a measure of responsiveness. John Deere Supply Management created the program in 1991 to provide a supplier evaluation and feedback process that promotes continuous improvement.

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Symmetry Introduces Integrated Solution for SAP® Technical Managed Services, Reducing Costs and Increasing Uptime

1 March 2010

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Symmetry Corporation introduced an integrated solution for [SAP technical managed services](#) under its Sym-Remote product line. The Sym-Remote integrated solution draws on Symmetry's "21st Century ERP" approach to SAP support services, providing customers with substantial cost savings and a single, dedicated team of experts to manage Basis, security, hosting and project services.

The new integrated solution provides outsourced management of an entire SAP technical environment, including Basis (SAP NetWeaver[®] Administration), security and hosting responsibilities. Alternatively, these services can be integrated with a company's internal resources. Sym-Remote utilizes Symmetry's unique, [21st Century ERP](#) support model to provide clients with affordable, 24x7 access to their own team of expert, U.S.-based support staff.

The Sym-Remote integrated solution is designed with the business owner in mind. It ensures monthly budget stability with an affordable, fixed-rate pricing model that incorporates [SAP technical support](#) and [SAP application hosting](#) to provide end-to-end accountability of the full technology stack. Unlike other hosting providers, Symmetry's 100 percent focus on SAP enables optimal management of SAP application availability, capacity and performance.

"I estimate that Sym-Remote saves us at least 25 percent on salaries and benefits compared to maintaining a full-time Basis employee," said John Congdon, Senior IT Executive for Kubota Engine America Corporation. "We recognize that Symmetry's staff members have gone through dozens, if not hundreds, of upgrades. They've got the training, and they're up-to-date with the latest changes to SAP products."

By sharing its knowledge across areas prone to silos, Symmetry gives team members a "big picture" view of the environment necessary for truly proactive management. Combined with 24x7, direct access to a support team with an intimate knowledge of their environments, organizations also benefit from fast issue resolution. Symmetry subject matter experts are consulted as-needed when the situation requires deep knowledge of, and experience with, specific SAP modules, such as Enterprise Resource Management (ERM), Product Lifecycle Management (PLM) and Customer Relationship Management (CRM).

A key aspect of the Sym-Remote integrated solution is active monitoring of customers' SAP systems, critical toward maintaining the high level of uptime demanded by business users today. Rather than relying solely on software-driven alerts, Symmetry personnel regularly log in to customer systems to observe them first-hand and resolve potential issues before they negatively affect enterprises. Monitoring to this level is something internal departments don't have the time nor resources to perform, and software-based monitoring alone is unable to do since it requires judgment rather than hard-and-fast rules.

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Technia Enters into Strategic Partnership with Octaga

1 March 2010

[Technia](#) and Octaga have announced an expanded partnership agreement. Octaga has committed to provide Technia with strategic support for selling 3D solutions to all vertical markets.

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[Octaga AS](#) is a major producer of interactive 3D viewing software and services for the Oil & Gas and AEC Industries. Octaga's viewing system Octaga Enterprise provides an intuitive portal for operations, maintenance and asset information retrieval. Octaga's viewers are based on ISO standards, and have more than 1 million users world-wide. Octaga is trusted by clients such as Siemens, Shell, GE Oil & Gas, FMC Technologies, Statoil, Det Norske Veritas, Chevron, Statsbygg and Software Innovation.

"The addition of Octaga's software and services to our portfolio will further enhance our position as a key provider of Product Lifecycle Management solutions in the Oil & Gas and AEC Industry in the Nordic countries. It will furthermore add greater business value to our enterprise and our trading partners," says Ylva Berg, CEO, Technia AB.

"The agreement with Technia is an important opportunity for us to strengthen our presence in the Nordic region and to show how 3D viewing is useful in PLM", says Ola Ødegård, CEO of Octaga. "We will also be able to promote Technia's services and PLM solutions, based on the ENOVIA PLM Solutions from [Dassault Systèmes](#), to our customer base. This partnership will enhance our credibility in the market"



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The European Commission Grants Financial Contribution to the INFUCOMP Project for the Simulation of Composite Parts Infusion

2 March 2010

[ESI Group](#) announces the start of the INFUCOMP European Research Consortium. The four-year project, initiated by [ESI](#), involves fourteen partners from eight countries and has a value in excess of €5M. Its main objective is to develop Liquid Composites Molding for the Aeronautic sector.

Background

To date, advanced composites in the Aerospace industry have mostly used prepreg tape laying because of the high stiffness, strength and fatigue resistance of toughened resins and high fiber content. However, drawbacks include high material costs, restricted shapeability, complex, expensive and time-consuming manufacturing, and limited materials shelf life. Consequently, alternative technologies are emerging based on Liquid Composites Molding of dry fiber textiles. Indeed, the longer term aim is to develop infusion technologies which can compete with prepreg composites, but the manufacturing methods are not fully industrialized and rely on costly prototype testing due to the lack of validated simulation tools.

Project objectives

The scientific aim of the INFUCOMP consortium is to build up a full simulation chain specific to the manufacture of large aerospace composite parts using Liquid Resin Infusion (LRI) that is dedicated to solutions required by the European Aerospace industry. Simulation will minimize expensive and time-consuming 'trial and error' testing methods and help to manufacture high quality parts, in a faster time and at lower cost.

Description of the work

The technical approach of the INFUCOMP project is to provide an End-to-End Virtual Prototyping solution from pre-form design to manufacturing (LRI) and optimize the process to predict final part defects and mechanical performance. There will be a focus on the infusion method. The project will

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cover all popular LRI methods currently used in the Aerospace industry and will offer technologies allowing economical manufacturing of high-performance, integrated, large scale composite structures.

In order to help attain these objectives, the European Framework VII research program is supporting financially the fourteen project partners. The consortium will be led by [ESI](#), along with leading industry and research partners in the fields of Aerospace and Aeronautics.

The team includes two aircraft manufacturers: Bombardier Aerospace, Belfast (UK), and Piaggio Aero Industries S.p.A (Italy); two aircraft manufacturers and tier one suppliers: Daher Aerospace (France) and Israel Aerospace Industries (Israel) ; one material manufacturer: Hexcel (France); one digital simulation software supplier: [ESI Group](#) (France); an infusion sensor specialist INASCO (Greece); academic partners such as Cranfield University (UK), Ecole des Mines de Douai and Saint-Etienne (France), Katholieke Universiteit Leuven (Belgium),; and two institutes: the Institute For Aircraft Design (IFB, Germany) and SWEREA SICOMP (Sweden). [ESI GmbH](#), ESI's German subsidiary, coordinates the consortium.

The complete simulation solution developed during the INFUCOMP consortium will be completed with the integration of a Manufacturing Cost Estimation software tool provided by the University of Patras.

Expected results

The LRI process, especially for large scale structures, is not yet well mastered and validated simulation tools are a necessary requirement to properly industrialize this technology. The INFUCOMP project will positively contribute to further the use of textile composites in the Aeronautic sector, lowering cost, improving performance, increasing payloads and reducing fuel emissions. Although the planned research focuses on aerospace applications, it is expected the results will be very relevant to other industries.

“The INFUCOMP project is an essential part of an integrated composites solution package and will provide a unique opportunity to move forward with composites simulation and to develop new tools in collaboration with leading research and industrial Aerospace partners,” said **Dr. Anthony Pickett**, Scientific Director at ESI GmbH.

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Events News

CGTech Announces 2010 European VERICUT Users Exchange (VUE) Schedule

3 March 2010

CGTech has announced details of the 2010 schedule of VERICUT User's Exchange (VUE) events. Attendees will learn about new software features for improving CNC manufacturing efficiency, and will

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have the opportunity to express ideas about the future direction of the software.

The agenda will include a review of enhancements added in VERICUT 7. This release features significant performance-improving enhancements that reduce the time required for manufacturing engineers to develop, analyse, inspect and document the CNC programming and machining process. Instead of focusing on new features or add-on modules, CGTech developer resources have prioritized on diligent code optimization and customer-driven enhancements.

Another popular feature of VUE events is the productivity workshop in which CGTech engineers highlight specific productivity features. When registering for any of the events users have the opportunity to suggest topics for inclusion in the workshop.

European VUE schedule 2010:

April 22nd		Worcester	England
April 28th		Schkopau	Germany
May 11th		Jonkoping	Sweden
May 12th		Glasgow	Scotland
May 25th		Treviso	Italy
May 27th		Milan	Italy
June 1st		Brive	France
June 3rd		Le Vesinet	France
September 15 h	Sheffield	England	
October 7th		Belfast	Northern Ireland

Additional VUE events are planned for later in the year in Denmark, Netherlands,, Czech Republic, and Russia..

For more information, visit the CGTech website at <http://www.cgtech.com>. Or contact John Reed at john.reed@cgtech.com or call +44 (0)1273 773538

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CGTech to Exhibit and Present at PDx/amerimold

2 March 2010

CGTech will exhibit version 7 of VERICUT CNC machine simulation and optimization software at the PDx/amerimold show:

PDx/amerimold Booth 625 Cincinnati, OH May 11-13, 2010

VERICUT Product/Function Overview:

VERICUT is CNC machine simulation, verification and optimization software that enables users to eliminate the process of manually proving-out NC programs. It reduces scrap loss and rework. The program also optimizes NC programs in order to both save time and produce higher quality surface finish. VERICUT simulates all types of CNC machine tools, including those from leading manufacturers such as Mori Seiki, Mazak, Makino, Matsuura, Hermle, DMG, DIXI, and Chiron. VERICUT runs

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standalone, but can also be integrated with leading CAM systems such as Catia V5, NX, Pro/E, MasterCAM, EdgeCAM and GibbsCAM.

VERICUT 7 features significant performance-improving enhancements that reduce the time required for manufacturing engineers to develop, analyze, inspect and document the CNC programming and machining process. Instead of focusing on new features or add-on modules, CGTech developer resources have focused on diligent code optimization and over 500 customer-driven enhancements.

“For VERICUT 7.0 we focused on the customer's use of VERICUT and how we could improve it,” said Bill Hasenjaeger, Product Marketing Manager. “We modified the user interface to create a more natural and obvious sequence to the most common user actions. The user's interaction has a top-down flow through its graphical tree layout, with context sensitive choices that appear as the user moves along in the NC program simulation.”

[CGTech](#) will also seek to demystify the many types of NC program “optimization” with a presentation at the amerimold Technical Conference. The presentation, to be given by CGTech Sales Engineer Ken Skovran, will provide an overview of different types of cutting optimization, how they are implemented, and how they work.

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Delcam to Show 64-bit PowerMILL at MACH

5 March 2010

UK machining companies will have their first chance to see the 64-bit version of Delcam's PowerMILL CAM software on stand 4010 at the MACH exhibition to be held at the NEC, Birmingham, from 7th to 11th June. 64-bit technology removes the memory limitations of 32-bit computers so allowing more efficient toolpath generation, especially for companies machining large or complex parts.

The new 2010 release also continues to improve user productivity by extending the application of the latest background-processing and multi-threading technologies available in recent hardware. The combination of these two developments is estimated to reduce calculation times by up to 25%, although this will depend on the size and complexity of the part.

PowerMILL 2010 also includes more than 50 other major enhancements. This is the largest number in a single release for over five years and reflects the continued high levels of investment in product development at Delcam. These improvements allow faster and easier generation of highly-efficient toolpaths for three- through five-axis milling.

“Every company that machines complex shapes, especially those using high-speed or five-axis machining, should look into the savings they could make by switching to PowerMILL,” suggested [Delcam](#)'s Marketing Manager, Peter Dickin. “PowerMILL offers faster calculation times, more efficient toolpaths and higher quality surface finish than any other CAM system. Company owners cannot afford to ignore these benefits when their customers are demanding increased productivity, faster delivery and higher quality.”

The most obvious change for existing users will be an updating of all the toolpath-creation forms to a new and improved layout. The forms make it simpler for new users to find the commands they need, while also giving experienced operators more logical access to the more advanced options. In addition, there is new toolbar for faster and easier creation and editing of workplanes.

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A new series of strategies for roughing and finishing corners has been added. These give more efficient and smoother clearance of these areas, especially when a large tool has been used for roughing initially that has left a significant amount of material in the corner.

Rest roughing has been enhanced to give better control over the start points for each segment of the toolpath. This will give substantial savings in overall machining time by minimising any air cutting.

Offset roughing, a popular approach for high-speed machining, has been enhanced so thin slivers of material that may damage to the cutter are not left for the final pass. PowerMILL will now identify these potential problems automatically and adjust the final stepover to give more even, and therefore safer, material thicknesses.

A number of improvements have been made to give smoother toolpaths for semi-finishing and finishing. These minimise the stresses put on the cutter and machine tool, and result in a better surface finish. They are related to Delcam's patented Race-Line strategies for roughing and act in a similar way across the full extent of the toolpath. For example, sharp changes in direction in 3D-offset toolpaths are now automatically made much smoother as the tool approaches and leaves. This approach also gives a more accurate result than simply introducing an arc at the point of change.

In a related development, more options have been added to the collision avoidance functionality to give more control over the direction chosen by the software to avoid the problem. These are particularly useful in any areas where there might be a sudden change in direction. In addition, the ability to specify a look-ahead distance has been added to the collision avoidance capability in order to ensure a smooth transition when tool-axis changes are required.

Constant-Z toolpaths have been enhanced to include the detection of flat areas and the automatic insertion of extra Z-levels to machine these exactly. In addition, a filter has been added to remove small enclosed segments from the toolpath as these can damage the cutter. The "Steep and Shallow" machining combination strategy uses these latest additions for the steep sections and a range of new options have been added for the shallow areas.

Finally, a new option has been added that specifies the safe profile of the toolholder for any group of toolpaths. This helps to identify a single toolholder shape that can be used for the complete program without any risk of causing a gouge or collision.

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Delcam to Launch New Tooling Design Software at Eurostampi

3 March 2010

Delcam will launch the 2010 release of its Delcam Toolmaker tooling design software, which incorporates a new solid modelling kernel, at the Eurostampi exhibition to be held in Parma, Italy, from 25th to 27th March. The integration of the new kernel reinforces the solid modelling and assembly modelling capabilities of the software and so complements the unrivalled surface modelling capabilities developed by Delcam over more than 30 years. The combination of the two technologies provides a range of benefits for toolmakers, especially those that use imported product design data from other CAD systems as the basis for their tooling designs.

Users will be able to tackle all the common problems that can be found when translating low precision and incomplete data, including gaps and overlaps between surfaces, or duplicated and missing surfaces, and generate a valid, high-precision CAD model. This process uses the automatic data repair tools that

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are provided within the software, together with powerful surface creation and editing options. This combination means that simple repairs can be carried out quickly and easily, while more complex problems can be overcome by deleting and replacing the existing surfaces within the model.

Delcam Toolmaker also includes a wide range of analysis tools to check the manufacturability of the design. These include curvature analysis to check that fillet radii are large enough to allow easy material flow in the tool, draft angle analysis to ensure that parts can be removed successfully or to identify where slides will be needed, and model thickness analysis to help in selection of gating positions and in highlighting potential sink-mark problems.

The addition of the new kernel will also enhance Delcam's unique Power Features technology. Components that contain Power Features react automatically as they are placed within the tool assembly, adding all the necessary fit-features to the connecting components. As each part is added, the tolerances between the various components are also defined automatically. This automatic creation of relationships makes the development of the overall design much quicker and also makes errors in the design process far less likely.

Of course, Power Features maintain relationships in a similar way to parametric objects in other CAD systems so that, for example, if an ejector pin moves, all the associated holes move with it. However, the degree of associativity is more flexible, such that all component dimensions, tolerances and positions can be modified either individually, as part of a group of similar components, or by using a global edit for multiple groups of components.

The new release of Delcam Toolmaker also speeds up and simplifies the development of more complex tooling assemblies. It is much easier to create solid models of any non-standard components and to define their relationships with the other components. The software will highlight suitable attachment points under the cursor. The user simply clicks the attachment points on a pair of components and they will move into position. A second click will preserve the relationship or another attachment point can be selected for an alternative relationship.

Furthermore, all identical parts within an assembly are recognised automatically as instances of the same component so preventing unnecessary duplication of data. This reduces overall model sizes and makes regeneration of the complete tool much faster after any design changes.

As well as including a wide range of standard catalogues, Delcam has made it easier for users to create and manage their own catalogues. Users can now both save custom dimensions for non-standard parts and add components that they have modelled themselves, or that they have downloaded, to custom catalogues.

Delcam Toolmaker incorporates automated methods to generate the General Assembly and all the component drawings required for manufacturing and inspection. In the 2010 release, hidden-line removal has been made faster and more reliable, while the time needed to produce a complete set of drawings for even a complex mould should now be no longer than a day. This compares with the two or three weeks that are typically needed with traditional drawing methods.

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Delcam to Promote New Healthcare Division at MEDTEC Shows

2 March 2010

CADCAM developer Delcam will continue the global promotion of its new Healthcare Division at the

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MEDTEC exhibitions in Germany, France and Japan. MEDTEC Germany takes place in Stuttgart from 23rd to 25th March, MEDTEC Japan in Yokohama on 15th and 16th April, and MEDTEC France in Besancon on 21st and 22nd April. Healthcare professionals from other countries can find out more on the new web site <http://www.delcam-healthcare.com>.

Delcam's Healthcare Division helps companies across the medical, dental and associated industries to become more productive, and to raise their quality and consistency. It applies the company's more than thirty years' experience in the design and manufacture of complex shapes to provide a range of innovative software and services for the healthcare industry.

“Our clients in the healthcare industry face the same demands from their patients that our traditional engineering clients see from their customers for faster delivery of better and cheaper products,” explained Delcam's Managing Director Clive Martell. “Patients want to receive higher quality products and services, and they want to complete their treatment in the shortest-possible time. At the same time, healthcare companies are under pressure to provide this higher quality at lower cost and to increase their productivity to meet the growing demand. These requirements can only be met through the application of more advanced and more automated technology.”

Delcam's increased emphasis on the healthcare industry comes at a time when the sector is expanding rapidly and when it is much more receptive to computer-based technology. The aging population in industrialised countries and the growing affluence of the emerging economies mean that the healthcare industry is seeing global growth. Through its existing engineering business, Delcam is established in more than 80 countries worldwide and so can provide international support to larger healthcare providers and original equipment manufacturers.

Equally, Delcam's focus on the toolmaking and subcontracting industries means that the company's staff are used to dealing with smaller companies on a local level. All Delcam offices, whether wholly-owned subsidiaries, joint ventures or independent resellers, are renowned for the high level of support they provide to all their customers.

Delcam is, of course, already active in many areas of the healthcare business. Its design, reverse engineering, machining and inspection software are used in a wide range of applications from the production of prostheses, through to the manufacture of surgical instruments and all types of medical packaging. This is especially true for the PartMaker machining system for turn-mill equipment and Swiss-type lathes. These machines are used extensively for the manufacture of medical and dental components, to the extent that around 70% of PartMaker sales already come from the healthcare industry.

In addition, [Delcam](#) has introduced several specific products for the healthcare market over the last two years. These include the DentCAD and DentMILL programs for the design and manufacture of dental restorations and the OrthoModel and OrthoMill software for the development of orthotics. The company also offers special versions of its CRISPIN range of footwear design and manufacturing software for the production of orthopaedic footwear.

The common theme with all these products is that they take existing Delcam technology and add a dedicated interface that uses imagery and terminology from the healthcare sector. This makes the software easy to learn and quick to use for healthcare professionals, even those that are not familiar with using computer-based design and manufacturing.

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Delcam to Show Latest Orthotics Software in Chicago

1 March 2010

Delcam will demonstrate the latest releases of its OrthoModel and OrthoMill software for, respectively, the design and manufacture of custom orthotic insoles at the Midwest Podiatry Conference to be held at the Hyatt Regency in Chicago from 11th to 14th March. The 2010 versions of OrthoModel and OrthoMill include enhancements that will enable the design of a broader range of orthotics and allow more efficient manufacture of those designs.

In developing OrthoModel and OrthoMill, Delcam has coupled its 30 years of experience in the design and manufacture of complex free-form shapes for the aerospace and automotive sector with knowledge and expertise from a panel of orthopaedic, podiatric and orthotics experts to create a digital solution for foot-care specialists. The resulting software helps to increase productivity, profitability and patient satisfaction, both for those prescribing or manufacturing custom devices to help diabetic or rheumatoid patients, and for practitioners working to correct abnormalities caused by a biomechanical misalignment of the musco-skeletal system.

OrthoModel and OrthoMill have been developed in association with laboratories, podiatrists and orthotists from around the world, together with the knowledge of footwear design and manufacture that has been gained within Delcam from its relationships with leading brands such as Nike and Reebok. They replace the expensive, slow and messy casting process with a simple, non-contact digital solution.

The new options in OrthoModel 2010 give more flexibility for the designer, including the ability to create flat-bottom orthotics as well as constant-thickness designs across the various modelling methods. In addition, users can add “skive” (a flat correcting surface) to either the medial or the lateral side of the orthotic and can vary the angle of the plane. Previously, the software was limited to a 15 degree plane on the medial side of the design.

More functions have been added to adapt for individual patients the range of standard base models supplied with the software. These extra tools allow faster modification of the standard designs so that the specific shape required can be completed quickly and easily.

A range of measurement tools have been added so the distances can be determined more quickly between the different key points within the orthotic. In addition, improved visualisation tools have been added to help with arch height selection, and to view and take measurements from cross-sections of the model.

The most significant addition in OrthoMill is the ability to “batch” machining calculations. This allows the operator to input designs for a number of orthotics, either to be cut from a single block or from several pieces of material. The software can then generate all the required toolpaths in a continuous series of calculations. The process can even be carried out overnight, to give maximum productivity for the user.

A related change is the option to apply different machining templates to each of a group of orthotics that will be cut from one block of material in a single manufacturing sequence. The templates provide the automated machining routines for the orthotics. Previously, all items produced in one operation had to use the same template, which reduced the overall machining efficiency. Extra flexibility has also been added with the ability to vary the Z-heights of each item within the block, and to vary the size and the number of machining tabs for each orthotic.

In addition, set-up sheets can now be generated showing the layout of the orthotics within the block,

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together with the patient information for each device. This will be especially helpful in cases where the manufacturing is being carried out by a different technician from the programming.

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Delcam Offers a CAM Triple at WESTEC

1 March 2010

All the latest releases of Delcam's CAM software will be demonstrated on booth #2269 at WESTEC in Los Angeles California, from March 23rd to 25th. Most important to note for these new CAM releases is that [Delcam](#)'s development team (the largest in the industry) has been able to use the full power of recent hardware developments to further reduce calculation times and increase output with both parallel processing and multi-threading.

The main benefit of these developments is that users can prepare data in the foreground while calculating toolpaths in the background. This eliminates the need for the user to wait for each calculation to be completed before he can start preparing the next operation. Similarly, the user can be setting the parameters needed to machine one area of a part, while toolpaths are being calculated in the background for machining a second area with a different strategy.

Productivity is also increased because the computer can continue with a series of calculations during the user's breaks or even overnight. Calculations can be "queued" (lined up) by the operator and the software will automatically start the next operation as soon as each toolpath is generated. This approach can be used with single core equipment but the benefits are even greater with computers having two or more cores.

The multi-threading capabilities allow individual calculations to be divided between the cores in a multi-core machine. This improves calculation times significantly so increasing user productivity, reducing any down-time where machine tools are waiting for NC data and minimizing lead times (an average by around 25%) on a dual-core PC.

Other specific enhancements within PowerMILL include improvements to workplane and block definition, easier editing of toolpath start points and further development of the Tooling Database. FeatureCAM 2010 features faster 3D and machine simulation, dual simulation view, improved pattern tree structure and improved definitions for turning and milling feeds.

The most important development in PartMaker 2010 is the ability to import PowerMILL strategies for highly-sophisticated 3-axis and complex 5-axis machining, including blade and blisk machining, directly into PartMaker. They can then be manipulated and synchronized on PartMaker's Process Table, and then simulated and post-processed directly from the PartMaker working environment. This integrated solution of two market leading technologies assures users they will never be limited in their ability to program and optimize parts in the most efficient and powerful way possible.

In addition, PartMaker Version 2010 includes an improved facility for automating the programming and simulation of thread whirling, a programming technique often used in the programming of "bone screw" threads as well as other specialty threads commonly found on surgical implants. Other productivity enhancements include enhanced grooving functionality, powerful and flexible threading capability, improved solids-based programming and additional CAD functionality.

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Delcam to Launch Dental CAD/CAM Software in Spain

1 March 2010

[Delcam](#) will launch Spanish-language versions of its latest DentCAD dental design software and DentMILL dental machining system at the Expodental exhibition to be held in Madrid from 11th to 13th March. The 2010 version of DentCAD includes a completely new interface, an integrated data management module, an expanded library of standard tooth designs and improved STL file output for rapid prototyping equipment, while the latest DentMILL has additional five-axis machining options.

The improved DentCAD interface features a reduced number of toolbars to allow the maximum screen space for design, while the icons have been made bolder and clearer. Even dental technicians with limited experience of computer-aided design will find the software easy to learn and to use.

The new data management module makes it easier to record the details of the patient and dentist, and the restoration and material type etc. It enables a smooth process flow between the scanner used to collect the initial data, DentCAD and DentMILL.

Among the design enhancements is the automatic creation of a prep-line as soon as the restoration design is started in DentCAD. The prep-line is the most critical area of the design as it marks the border between the tooth and the gum, and so determines the accuracy of the fit of the restoration. The automatically-generated line can be edited by the user if required.

To reduce the chances of failure of the restoration in manufacture or, even worse, after fitting, DentCAD now lists any areas where the thickness of teeth fall below a chosen set of minimum parameters. The text description of any problem areas is reinforced by a colour map which highlights all the surfaces that fall below the specified requirements.

The extra five-axis machining options in DentMILL will make it easier to program the manufacture of dental bars, implant bridges and customised abutments. In addition, the previous options for the production of copings, bridges and abutments in ceramics and titanium have been enhanced. In particular, the ability to use multithreading technology has reduced calculation times for users with multi-processor computers.

As well as broadening the range of dental restorations that can be produced, the use of five-axis machining helps to reduce material wastage, minimise hand-finishing operations by removing undercut regions, and give more flexibility when machining difficult parts and materials such as hard-state Zirconia.

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ESPRIT 2010, by DP Technology, at Westec 2010 Los Angeles, Calif., March 23-25

3 March 2010

[DP Technology](#), creator of ESPRIT®, will exhibit ESPRIT 2010, the latest version of its innovative software, at Westec 2010, set to take place March 23-25 at the Los Angeles Convention Center in Los Angeles, Calif.

This year, the aim of the long-standing Westec technology showcase is to keep your manufacturing competitive, regardless of the industry you serve and the processes you select to get the job done. With a focus on advanced materials, machining, metalworking fluids, non-traditional machining processes, tooling/mold-making and metrology, Westec 2010 offers new choices to those who seek to save time

while simplifying and maximize operations.

Visitors are encouraged to visit ESPRIT booth No. 2354, where knowledgeable representatives of DP Technology will be available to discuss vital upgrades in ESPRIT 2010 and perform demonstrations of how to make those upgrades to work for you.

Among its improvements, ESPRIT 2010 offers upgrades in the support of integrated multi-tasking, mill-turn machine tools. All ESPRIT milling and turning machining capability, from 2-axis turning to 5-axis milling, is available for any type of mill-turn machine tool, including lathes that perform milling, mills that perform turning, Swiss-style machines and other "integrated mill-turn machining centers." In the 2010 release, support for these multi-tasking machine tools has been enhanced through increased flexibility in cutting tool configurations and orientations, enabling the support of a wide variety of machines. The newly added support for additional rotary axes, three or more, allows the ESPRIT customer to completely program and easily simulate the most complex and sophisticated machine tools currently available on the market.

For the ESPRIT wire-EDM customer, the 2010 version includes support for EDM machines with rotary axes. This allows EDM programmers to perform wire-EDM cutting in 5- and 6-axis using turn-and-burn (indexing the rotary table), and turn-while-burn full 5-axis simultaneous cutting with a rotary table. This new version also provides EDM programming with an innovative new 4-axis pocketing, no-core cutting, machining cycle.

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Genius™ Solutions Launches GeniusWorks at SolidWorks World 2010

1 March 2010

Genius Solutions, a leading provider of manufacturing and resource planning software (MRP/ERP) solutions for small to midsize companies, announced the release of GeniusWorks-Manufacturing Software for SolidWorks. This new software product adds comprehensive ERP/MRP functionality to SolidWorks CAD and 3D modeling software.

GeniusWorks was developed to fill a void and bridge the gap from design and modeling to day-to-day operations in production, procurement, sales, inventory control, shop floor and financials. With SolidWorks and GeniusWorks, custom, make-to-order and engineer-to-order manufacturers now have the toolset for an integrated end-to-end solution.

"As a SolidWorks Solution Partner, we felt it important to build on our expertise in manufacturing software, and our relationships with SolidWorks VARs, to deliver GeniusWork's productivity tools to the SolidWorks community. We share much of the same target market and feel GeniusWorks to be a valuable complement to SolidWorks in our markets." states Peter Spitzer, CTO of Genius Solutions.

About Genius Solutions

[Genius Solutions](#) specializes in manufacturing software development and implementation. The company's flagship product, Genius™ Manufacturing, is designed for the unique requirements of small-to-midmarket custom, make-to-order and engineer-to-order manufacturers.

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Geometric to Demonstrate CAMWorks 2010 and DFMPPro Version 2.1 at DieMould India 2010

4 March 2010

[Geometric Limited](#) will demonstrate machining automation with its products - [CAMWorks®](#) and [DFMPPro](#) at Booth #A28 at DieMould India 2010 to be held at the Bombay Exhibition Centre, Goregaon in Mumbai, India from March 18-21, 2010.

“DieMould India offers a great platform to communicate directly with toolmakers and manufacturers, and to showcase how they can improve their productivity by using intelligent automation tools like Geometric’s – CAMWorks and DFMPPro”, said Sambit Pradhan, Business Development Manager, Desktop Products, Geometric.

CAMWorks’ feature based machining and knowledge based machining technology, TechDB™ (Technology Database) are designed to significantly reduce the time required to generate machining strategies and processes for Tool and Die Industry. The technology database automatically associates tooling, operation strategies, and machining parameters to the features. To further enhance the automation process, the knowledge-based rules in the TechDB are fully customizable to apply company’s best practices.

DFMPPro facilitates mold designers and manufacturing engineers to do upstream manufacturability validation and identification of areas of a design that are difficult, expensive or impossible to manufacture; thereby, reducing rework with a view to minimize costs of production and time to market without compromising on the product quality.

Geometric will be demonstrating the latest versions of these two products, CAMWorks 2010 and DFMPPro version 2.1 at the event:

CAMWorks 2010 has over 50 new features and advancements for machining faster and more accurately. This release also has significant advances in 3 axis functionality, as well as new features and cutting strategies for 2 to 5 axis milling, turning, and wire EDM. CAMWorks, the first CAM software to offer knowledge-based feature recognition and associative machining capabilities, continuously enhances its features in line with customer feedback and requirements, and to better integrate with the SolidWorks platform. For more information on CAMWorks, please visit <http://www.camworks.com/>.

DFMPPro version 2.1 adds an injection molding module packed with industry-wide rules for ensuring manufacturability of injection molded components. The rules cover draft analysis, undercuts, mold wall thickness, ribs, and bosses, amongst others. CAD users will be able to verify their designs within ProENGINEER, and SolidWorks, thus reducing cost and time-to-market, while also improving the quality of manufactured parts. DFMPPro also facilitates collaborative design review process by generating comprehensive 3D reports in eDrawings format. This capability is very useful for suppliers who can quickly generate eDrawings reports and share it with the OEM for their review, comments and acceptance. For more information on DFMPPro, and how it helps in create designs right the first time, visit <http://www.dfmpro.com>

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GibbsCAM 2010 to be Demonstrated at WESTEC 2010

1 March 2010

[Gibbs and Associates](#) announced that it will be demonstrating GibbsCAM 2010 during the WESTEC

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2010 show at the Los Angeles Convention Center in Los Angeles, California from March 23-25, 2010 in booth #2236. This new release includes multiple new features, additions, enhancements, and productivity tools.

“We have been working very hard to provide customers new functionality across the GibbsCAM product family,” says Bill Gibbs, founder and president of Gibbs and Associates. “We added many capabilities to make programming and machining easier and more efficient, especially with new features in 5-axis and solids machining. We also implemented 64-bit operation to enable faster processing of long programs and complex parts, added support for new tools and tool holders, extended functionality within various modules, and extended and updated interoperability with various CAD systems,” he adds. “All this is in addition to the recent integration of VoluMill™ and making GibbsCAM compatible with the Windows® 7 operating system.”

Key GibbsCAM 5-axis Enhancements

These include more spiral machining options, new gouge check projection options, a new lead in/lead out “flip” option, a new axial shift damp option for trimming applications, and support for countersink and keyway cutters. More specific additions are the following.

Geometry Creation – A Surface Tools plug-in has been added to create surfaces for repairing or improving machinability of surfaces from solids.

Adaptive Cuts – This new option enables regulating the distance between paths based upon the angle of the surface to be machined to provide a consistent surface finish, regardless of surface angle.

Impeller Roughing – Has been enhanced with functionality that covers more contingencies, especially useful when roughing near and around splitter blades.

Tool Retraction – A new option, Retract Through Tube Center, enables retracting cutting tools from angled pockets while avoiding walls, especially useful for machining cylinder head ports and similar geometry.

Key Enhancements to Solids Machining

New, More Capable Plunge Roughing – No longer a plug-in, it is a tile in the CAM palette, with the ability to calculate material removal strategies that accommodate carbide-inserted drills, which require special motion for no-drag retractions, while avoiding collision in tight or narrow areas.

Enhancements to Advanced 3D Machining – These include the addition of Hit Flats with specified tools for Pocketing, the ability to specify flatness tolerance in Flats Cut to ensure all desired “flat” areas are machined, locking high feed rate for Shortest Route and Minimal Vertical retract styles, addition of Trim to Ramp Advance as a Contour option for waterline cuts, specifying surface finish with step-over distance or scallop height parameters, and using Stock Bounding Box as an additional machining boundary.

Addition of Option for Stock – Facet bodies, generated from a previous machining process, or brought in through a data file, can now be used as initial stock in solid pocketing.

64-bit Implementation

A significant development, the 64-bit implementation allows taking advantage of the more powerful, multi-processor PCs equipped with 4GB or more of RAM. This provides tighter interoperability with 64-bit CAD systems that are co-resident with GibbsCAM on a PC. Also, 64-bit operation reduces computation time when processing extremely long programs or working with complex geometry. It will

also enable users to take advantage of system enhancements when running under the Windows 7 operating system.

Even More Enhancements

GibbsCAM 2010 includes many more features, some for ease of use, and others to extend functionality, including enhancements to the user interface and for the Milling, MTM (multi-task machining) and Wire EDM modules, as well as new add-ins for data exchange to support Inventor 2010, SolidWorks 2010, and additional CAD file import and translation. Furthermore, the Macros menu was enhanced with changes for easy access, uninterrupted operation, and support for 5-axis and Advanced 3D processes and calls to plug-ins.

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Magma Announces Agenda for MUSIC Silicon Valley Users Conference

3 March 2010

Magma® Design Automation Inc. announced the final agenda for the MUSIC users conference in Silicon Valley on March 10 in San Jose. The program will feature parallel tracks of technical presentations and tutorials given by Magma users, design industry experts and Magma's engineering research and development staff, and an exposition of Magma partners. Magma CEO Rajeev Madhavan will deliver a keynote address entitled, "The Electronic Ocean."

MUSIC Agenda Focuses on Meeting Today's Analog and Digital Design Challenges

MUSIC provides an open forum for users to gain expertise using Magma's chip design software, and to exchange ideas about and solutions for the challenges of analog and integrated circuit and system-on-chip (SoC) designs.

Over the years MUSIC has become a leading venue for Magma users to gather, share and learn best practices and solutions. This year's program covers a range of Magma software capabilities including synthesis, placement and routing, floorplanning, library characterization, verification, circuit simulation and analog design. Users will share useful tips on how to leverage Magma software to improve results, reduce power, minimize costs and increase productivity.

User presentations will include:

- 65-nm Design Tapeout in 6 weeks
- Case Study: Low Power Design
- Comparing Crosstalk Delay Calculations in Talus® and Prime Time-SI
- Accelerating Timing Closure on Large, Complex Nanometer Designs
- Multi-Mode/Multi-Corner Analysis Using Talus® Flow Manager™
- Timing Closure Challenges and Solutions
- Magma Talus Design with Scan Test Compression
- SynTest DFT in the Magma Design Flow
- At-Speed Functional Verification of Complex IOs using FineSim™ SPICE
- A High-Capacity Power Integrity Flow Supporting Inductive Rail Effects with Transistor-Level

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Accuracy

- Using the Titan™ Shape-Based-Router for Next-Generation Flash-Based FPGAs
- The Role of Design and Test Methodologies in IC Diagnosis

Magma will present the following tutorials:

- Solving Design Challenges Visually with the Talus® Visual Volcano™
- Using SiliconSmart® ACE and Embedded FineSim Simulator for 28-nm Standard I/O Cell and Memory Characterization

The MUSIC agenda will also feature a guest keynote and a luncheon panel. Robert Patti, CTO and vice president of Design Engineering at Tezzaron Semiconductor, will present, "3D Integrated Circuits: New Directions for Semiconductors." Venture capitalists from Farallon Advisors, LLC, Foundation Capital, Intel Capital and U.S. Venture Partners will participate in a panel entitled, "Semiconductor Venture Funding – At a Crossroads?" moderated by Jorge del Calvo of Pillsbury Winthrop Shaw Pittman LLP.

For the complete MUSIC agenda and to register for the conference visit the Magma website at <http://www.magma-da.com/MUSIC>.

Magma Partners at MUSIC

In addition to the technical program, the Silicon Valley conference will feature an exposition where users can learn how Magma is working with its partners to ensure design success. Attendees will be able to speak directly with Magma partners about design, flow and integration solutions. Magma partners exhibiting and/or sponsoring MUSIC include Blue Pearl Software, SynTest, TSMC, Uniquify and Virage Logic.

About MUSIC

MUSIC – Magma Users Summit on Integrated Circuits – provides a forum for Magma users to exchange ideas, discuss common problems and explore solutions related to the design and manufacturing of integrated circuits, as well as offering users an opportunity to meet with Magma staff and product experts. The MUSIC program covers the key elements of semiconductor design, from system-level design to tapeout, for systems on chips, ASICs and ASSPs. Magma users can register to attend any of the conferences via the Magma website at <http://www.magma-da.com/MUSIC>.

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ProSTEP iViP Symposium 2010 Smarter Solutions for New Products

25 February 2010

The ProSTEP iViP Symposium established itself as one of the most important conferences on the subject of Product Data and Process Integration. On April 28th/29th, 2010, participants will again use the opportunity for exchanging ideas and experiences with both domestic and foreign colleagues.

The ProSTEP iViP Association will again present a comprehensive and versatile program with 4 keynotes, 39 lectures and 4 workshops. Part of the highlights this year will be the “Scientific Track”, where participants will have the opportunity to look into the ideas of research. The program, consisting of 3 parallel lecture series and specialized workshops in German and English, is available at <http://www.prostep.org>.

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The accompanying exhibition is already booked by the following companies: Actano, consentor, CONTACT, :em engineering methods, IBM, ILC PROSTEP, InMediasP, Mentor Graphics, Microsoft, Oracle, PDTec, PITERION, PROSTEP, PTC, Siemens PLM Software, T-Systems and Whitestein.

The event will be sponsored by the companies Daimler AG and Siemens PLM Software.

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Registration Now Open for "Be Together: The Be Communities LIVE Conference," Being Held May 17-20, 2010, in Philadelphia

2 March 2010

Bentley Systems, Incorporated announced that registration is now open at <http://www.bentley.com/BeTogether> for the inaugural Be Together: The Be Communities LIVE Conference, being held May 17-20, 2010, at the Pennsylvania Convention Center in Philadelphia. This event will enable the architects, engineers, constructors, geospatial professionals, and CAD managers who regularly exchange ideas virtually on the Be Communities professional networking site to connect, communicate, and learn from each other in person. At the same time, guided by Bentley product experts, attendees will acquire knowledge critical to the adoption of an information-modeling level of practice as they earn Bentley Institute Learning Units to track time invested in professional development.

“Be Together is a marked departure from the Be Conferences of previous years,” said Keith Bentley, founder and CTO of Bentley, and Be Communities champion. “Its format and content were driven by the members of our Be Communities website and Be User Groups. So attendees can look forward to a hands-on, product-oriented experience focused on helping practitioners get their jobs done faster and with better results. It’s the ideal event for those who like to roll up their sleeves and dig into information modeling technology.”

Throughout the week, attendees will benefit from:

- Interactive product tours and overviews of Bentley’s product roadmaps,
- Explorations of software tips, tricks, and techniques,
- Hands-on workshops and product test drives,
- Clinics that help them resolve current project modeling challenges,
- Peer presentations of case studies featuring innovations in software use,
- Roundtable and panel discussions on today’s hottest technology issues.

Those registering for the conference by March 31 will receive an early bird discount of \$200 off the \$795 conference fee.

The Be Together Conference encompasses the following areas of interest to the infrastructure community:

- Roads and Bridges
- Structural
- Water
- Geospatial

- Utilities and Communications
- Building
- Plant
- Applied Research
- MicroStation and ProjectWise

The Be Communities LIVE Zone

At the Be Together Conference, the traditional exhibit hall will be replaced with the Be Communities LIVE Zone – an interactive experience that brings people and technology together in a series of dynamic zones. Top hardware, software, and other experts from Bentley partner organizations will be co-located with teams of Bentley product and professional services specialists to demonstrate – in hands-on sessions – the combined value of Bentley, Bentley channel partner, Bentley technology partner, and third-party developer offerings for visualization, collaboration, modeling, plotting, point clouds, and much more.

To register for Be Together: The Be Communities LIVE Conference, being held May 17-20, 2010, at the Pennsylvania Convention Center in Philadelphia, or for more information about the conference, visit <http://www.bentley.com/BeTogether>.

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Ship Hull Modeling and Analysis Presentation at ShipTech 2010 Using NEi Nastran and MAESTRO

3 March 2010

Bart McPheeters of [NEi Software](#) and Shaun Hunter of DRS Defense Solutions, LLC to present a more efficient design process for full ship hull modeling and analysis using integrated global and local analysis tools at ShipTech 2010 on March 9, 2010 at 1:30PM in Biloxi, Mississippi.

WHEN:

March 9, 2010

1:30 - 2:00PM

WHERE:

ShipTech 2010

Beau Rivage Resort

Biloxi, Mississippi

WHAT:

ShipTech 2010 Presentation: Efficiency Through Integrated Tools

Initial hull design requires that global loads and stresses be considered as one of the first steps in the design of a ship. The process usually starts with a naval architect creating a rough full ship model that is optimized for global stresses. Local stresses for items like structural details and equipment foundations are typically modeled and simulated much farther into the design cycle by structural engineers.

The problem is that local details can affect the initial global response so the global simulation must be

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repeated every time a local component is added to the ship. Using an integrated process incorporating MAESTRO (global hull analysis) and NEi Nastran (local hull analysis), local details can easily and continuously be incorporated into a global model, allowing the global/local modeling and simulation process to be conducted much earlier in the design process than is typically done.

WHO:

Bart McPheeters, NEi Software

Mr. Bart McPheeters is a 1985 graduate of Webb Institute, with a degree in Naval Architecture and Marine Engineering. He earned his master's degree in Solid Mechanics and Material Science from George Washington University in 1996. Mr. McPheeters worked for NKF Engineering for 10 years, becoming well versed in underwater shock and finite element methods. For the next ten years he worked for MSC Software as an Application Engineer supporting their Nastran, Patran and Dytran products. He has worked for NEi Software for the last two years, bringing his marine background to NEi Nastran.

Shaun Hunter, DRS Defense Solutions

Mr. Shaun Hunter is a naval architect at DRS Defense Solutions, LLC, Advanced Marine Technology Center (DRS DS AMTC) and has over 10 years of experience in the maritime industry with a strong background in ship structures, direct analysis, and software development. His area of expertise includes conducting global/local finite element analyses of marine vehicles as well as the use and development of marine design software. Prior to joining DRS DS AMTC, Mr. Hunter held naval architect positions at American Bureau of Shipping (Naval Engineering Department) and Alion Science and Technology Corporation. Mr. Hunter holds a bachelor's degree in Naval Architecture and Marine Engineering from University of New Orleans.

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3D Virtual Building Software Training Helps North Carolina Architects Prep for Recovery

3 March 2010

Out-of-work architects in the Charlotte, N.C., area are discovering a new opportunity to significantly upgrade their credentials by learning building information modeling (BIM).

BIM is the most advanced technology for architectural design. The American Institute of Architects' Charlotte chapter will co-sponsor two free three-hour BIM training sessions on Friday, March 12 called **"BIM Basics - The fundamentals of BIM."** The sessions will take place from 9 a.m. to noon and again from 1 p.m. to 4 p.m. in the AIA Charlotte offices. Pre-registration is required.

The training is co-sponsored by BIM software provider GRAPHISOFT, which will donate free one-year education licenses of its [ArchiCAD 13](#) BIM software to eligible architects, and Design Integrations Inc. of Marietta, Ga., a GRAPHISOFT value-added reseller.

The three-hour training session will cover ArchiCAD basics, BIM principles, virtual modeling and integrated product delivery. Online tutorials, reference materials and group discussions will maintain and refresh participants' ArchiCAD skills over time.

"The Charlotte area and the entire Southeast in general has been hit hard by the recession," said Kate Shelton, executive director of AIA Charlotte. "Although entire staffs have been laid off, our members are looking ahead with courage and optimism for a robust recovery. BIM will be a big part of that recovery, and every architect should master the practice. These sessions and their content – software,

training and support – will be an excellent opportunity for our members to advance their skill sets.”

AIA Charlotte is accepting registrations from its Architects Looking Forward members on a first come first serve basis. To register contact Shelton at 704.369.2302 or Kate.Shelton@aiacharlotte.org.

“Design Integrations is grateful to contribute to Charlotte’s recovery in architecture and beyond,” said Josh Bone, company vice president. “This is a great opportunity for architects to increase their value and be more in demand than ever when the economy turns.”

For more information on the program visit www.aiacharlotte.org or www.designintegrations.com.

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Financial News

American Software Reports Preliminary Third Quarter of Fiscal Year 2010 Results

3 March 2010

[American Software, Inc.](#) reported financial results for the third quarter of fiscal year 2010, achieving 36 consecutive quarters of profitability and 26 consecutive quarters of dividend distributions to shareholders.

GAAP net earnings for the quarter ended January 31, 2010 were \$1.8 million or \$0.07 per fully diluted share, an increase of 138% over the third quarter of fiscal 2009. Adjusted net earnings for the quarter ended January 31, 2010, were \$2.0 million or \$0.08 per fully diluted share, a 99% increase compared to \$1.0 million or \$0.04 per fully diluted share for the same period last year. In both periods, adjusted net earnings excluded stock-based compensation expenses and amortization of acquisition-related intangibles. Total revenues for the quarter ended January 31, 2010 were \$19.8 million, a decrease of 1% from the third quarter of fiscal 2009. Software license fees for the quarter ended January 31, 2010 were \$4.6 million, a decrease of 3% from the third quarter of fiscal 2009. Services and other revenues for the quarter ended January 31, 2010 were basically unchanged from the third quarter of fiscal 2009 at approximately \$8.4 million. Maintenance revenues for the quarter ended January 31, 2010 were \$6.9 million, a decrease of 1% from the third quarter of fiscal 2009. Operating earnings for the quarter ended January 31, 2010 were \$2.8 million, an increase of 30% from the third quarter of fiscal 2009.

GAAP net earnings were approximately \$4.4 million or \$0.17 per fully diluted share for the nine months ended January 31, 2010, a 136% increase compared to \$1.9 million or \$0.07 per fully diluted share for the same period last year. Adjusted net earnings year to date as of January 31, 2010, which excludes stock-based compensation expenses, amortization of acquisition-related intangibles, stock-based compensation related to the Logility tender offer and expenses related to the Logility tender offer, were \$5.6 million or \$0.22 per fully diluted share, compared to \$2.4 million or \$0.09 per fully diluted share for the same period last year, which excluded stock-based compensation expenses and amortization of acquisition-related intangibles. Total revenues for the nine months ended January 31, 2010 were \$56.4 million, a decrease of 5% from the comparable period last year. Software license fees for the nine-month period were \$12.3 million, representing a 9% increase compared to the same period last year. Services and other revenues were \$23.4 million, a 12% decrease compared to the same period last year. Maintenance revenues were \$20.6 million, a 2% decrease from the same period last year. For the nine months ended January 31, 2010, the Company reported operating earnings of approximately \$6.0 million, a 10% increase from the same period last year.

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The Company is including adjusted net earnings and adjusted net earnings per share in the summary financial information provided with this press release as supplemental information relating to its operating results. This financial information is not in accordance with, or an alternative for, GAAP and may be different from non-GAAP net earnings and non-GAAP per share measures used by other companies. The Company believes that this presentation of adjusted net earnings and adjusted net earnings per share provides useful information to investors regarding certain additional financial and business trends relating to its financial condition and results of operations.

The overall financial condition of the Company remains strong, with no debt and with cash and investments of approximately \$53.8 million as of January 31, 2010. This is approximately a \$17.3 million decrease when compared to April 30, 2009 and was primarily due to the payment of \$12.8 million for the shares of Logility not owned by American Software plus other expenses associated with the Logility tender offer and payment of approximately \$6.8 million in dividends year to date. During the third quarter, the Company repurchased 40,400 shares of its common stock for approximately \$248,000 under its authorized stock repurchase program.

"The Company delivered its 36th consecutive quarter of profitability and increased net earnings by 138% over the same period last year," stated James C. Edenfield, president and CEO of American Software. "Despite the general market conditions and global economic uncertainty that are impacting capital expenditures, we added 22 new companies to our global customer roster and signed license agreements with customers in 9 countries during the quarter," continued Edenfield. "Our focus is on helping companies leverage their supply chains to create operational, market and brand advantages that drive results in both good and challenging economic environments."

"Our sustained profitability has continued to allow the Company to provide a tangible benefit to our shareholders with a quarterly dividend as well as a share repurchase program," stated Edenfield. "On February 16, 2010 our Board of Directors authorized the Company's next quarterly dividend of \$0.09 per common share, which is payable on May 28, 2010 to shareholders of record at the close of business on May 14, 2010. This will mark our 27th consecutive quarter of dividend distributions to shareholders."

Additional highlights for the third quarter of fiscal year 2010 include:

Customers:

- Notable new and existing customers placing orders with the Company in the third quarter include: a.b.m. Canada, Clif Bar & Company, Color Image Apparel, Entergy Service, Evergreen Packaging, FMC Corporation, Handgards, L'Koral, Mohawk Carpet, Nice-Pak Products, PT Linc Logistics, Shiseido Americas, Sportcraft, Summer Infant, Terex Telelect, and Thomas Built Buses.
- During the quarter, software license agreements were signed with customers located in 9 countries including: Australia, Belgium, Cameroon, Canada, China, Ireland, Indonesia, the United Kingdom and the United States, as well as the commonwealth of Puerto Rico.
- Demand Management Inc., a wholly-owned subsidiary of Logility, announced that Certified Transmission, a leading remanufacturer of automotive transmissions, selected Demand Solutions Advanced Planning and Scheduling to increase profits through optimization of Certified Transmission's production scheduling.
- NGC® (New Generation Computing®), a wholly-owned subsidiary of the Company, spoke on the NRF Big Ideas Sessions, "Retail 2010 IT Forecast," sponsored by ARTS (the Association for Retail Technology Standards). In addition to NGC, the panel included executives from ARTS, RIS News, IHL

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Group, BJ's Wholesale Club, Burlington Coat Factory. NGC contributed key perspectives on product lifecycle management (PLM), global sourcing and CPSIA software priorities for retailers, brand owners and consumer products companies.

- NGC announced that Stony Apparel, a branded and private label manufacturer of girls and junior apparel for some of the nation's largest retailers, is implementing NGC's Global Enterprise software suite, including e-PLM® for product lifecycle management, e-SPS® for global sourcing & visibility, and RedHorse® ERP for EDI, customer order processing, inventory management, shipping and financial accounting. With NGC, Stony Apparel selected a comprehensive solution to support business processes including design, customer service, production and shipping for the hundreds of styles produced each month. Stony Apparel realized benefits in the early stages of the solution rollout including the ability to meet a complex EDI requirement from a Tier 1 retailer.

Products and Technology:

- NGC introduced ARMS (Analytics and Report Management Software), a decision support and information management tool that brings new power to custom reporting, data mining and analytics for NGC's e-PLM, e-SPS, RedHorse and other global enterprise software solutions. ARMS simplifies and centralizes access to the vast amounts of information contained in NGC software solutions. Custom reports and analytic templates that would otherwise take hours to structure can be created and shared in minutes to deliver powerful business insight while saving time and money.

- NGC joined the Association for Retail Technology Standards (ARTS) committee to develop retail PLM standards. ARTS is the division of the National Retail Federation (NRF) that is dedicated to creating open technology standards through collaboration between retailers and technology vendors. As a member of the PLM committee, NGC will work alongside retailers and technology vendors to develop an XML scheme representation for the product development lifecycle. When completed, the ARTS PLM standards will help drive more efficient product development lifecycles, improve communications between retailers and their trading partners, and improve data management. The scope of work includes product quality and testing; product construction; merchandise calendars and hierarchy; color and material management; and labeling, packaging and handling.

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Mentor Graphics Reports Annual and Fiscal Fourth Quarter Results

4 March 2010

Mentor Graphics Corporation announced results for the fiscal fourth quarter and full year ending January 31, 2010. For the full year, the company reported revenues of \$802.7 million, up 2% from fiscal 2009, non-GAAP earnings per share more than doubling to \$.47, and a GAAP loss per share of \$.23, down from a loss per share of \$.99 the prior year. For the fiscal fourth quarter, the company reported revenues of \$237.1 million, non-GAAP earnings per share of \$.30, and GAAP earnings per share of \$.39.

“The electronics industry recovery seems to be well underway, and we are increasingly optimistic about the business environment in the coming year,” said Walden C. Rhines, CEO and chairman of Mentor Graphics. “The company’s focus on its product segments with number one market share, as well as investments in new product categories, continue to show strong results, as the average dollar value of renewals in the top ten contracts in the fiscal fourth quarter grew 25% over the prior contract values.”

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During the quarter, the company extended its Catapult® C Synthesis product to support the SystemC design language, allowing designers a richer set of choices in doing system level design. The company also launched its Tessent™ YieldInsight™ product, which allows customers to use integrated circuit production fault data to understand where those faults are physically located on the chip, thus allowing them to be corrected.

“Our strong emphasis on cost controls throughout fiscal 2010 has positioned us well,” said Gregory K. Hinckley, president of Mentor Graphics. “An improving currency environment, good performance in our new and emerging product segment and recovery in our base business all point to a better year in fiscal 2011.”

Outlook

For the fiscal first quarter ending April 30, 2010, the company expects revenues of approximately \$180 million and break-even to a loss per share of \$.05, on both a GAAP and non-GAAP basis.

For the full year fiscal 2011, ending January 31, 2011, the company expects revenues to grow around 5%.

Fiscal Year Definition

Mentor Graphics fiscal year runs from February 1 to January 31. The fiscal year is dated by the calendar year in which the fiscal year ends. As a result, the first three fiscal quarters of any fiscal year will be dated with the next calendar year, rather than the current calendar year.

Adoption of Accounting Guidance for Convertible Debt

During the first quarter of fiscal 2010, Mentor Graphics adopted the Financial Accounting Standard Board’s (FASB) new accounting guidance for accounting for convertible debt instruments that may be settled in cash upon conversion. This new guidance requires retroactive application to all prior periods reported. Accordingly, we have adjusted the applicable prior period balance sheets, statements of operations (including net income (loss) per share), and statements of cash flows to reflect the adjusted balance of the convertible notes and related items, and to record the amortization of the discount on the convertible notes as a non-cash interest expense. A reconciliation of our adjusted Consolidated Balance Sheets as of January 31, 2009, our adjusted Consolidated Statements of Operations, and our adjusted Consolidated Statements of Cash Flows for the three and twelve months ended January 31, 2009 prior to the adoption of the new accounting guidance is included with this release. Interest expense associated with the adoption of the guidance was \$632 thousand for the three months ended January 31, 2009 and \$2,450 thousand for the twelve months ended January 31, 2009. There was no impact to cash flows from operations.

Discussion of Non-GAAP Financial Measures

Mentor Graphics management evaluates and makes operating decisions using various performance measures. In addition to our GAAP results, we also consider adjusted gross margin, operating margin, net income (loss), and earnings (loss) per share which we refer to as non-GAAP gross margin, operating margin, net income (loss) and earnings (loss) per share, respectively. These non-GAAP measures are derived from the revenues of our product, maintenance, and services business operations and the costs directly related to the generation of those revenues, such as cost of revenue, research and development, sales and marketing, and general and administrative expenses, that management considers in evaluating our ongoing core operating performance. These non-GAAP measures exclude amortization of intangible assets, in-process research and development, special charges, equity plan-related compensation expenses

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and charges, interest expense attributable to net retirement premiums or discounts on the early retirement of debt and associated debt issuance costs, interest expense associated with the amortization of debt discount on convertible debt, impairment of long-lived assets, impairment of cost method investments, and the equity in income or losses of unconsolidated entities, which management does not consider reflective of our core operating business.

Identified intangible assets consist primarily of purchased technology, backlog, trade names, customer relationships, and employment agreements. In-process research and development charges generally represent products in development that had not reached technological feasibility at the time of acquisition.

Special charges primarily consist of costs incurred for employee terminations due to a reduction of personnel resources driven by modifications of business strategy or business emphasis. Special charges may also include expenses incurred related to potential acquisitions, excess facility costs, asset-related charges, post-acquisition rebalance costs and restructuring costs, including severance and benefits. Equity plan-related compensation expenses represent the fair value of all share-based payments to employees, including grants of employee stock options. For purposes of comparability across other periods and against other companies in our industry, non-GAAP net income (loss) is adjusted by the amount of additional tax expense or benefit that we would accrue using a normalized effective tax rate applied to the non-GAAP results.

Management excludes from our non-GAAP measures certain recurring items to facilitate its review of the comparability of our core operating performance on a period-to-period basis because such items are not related to our ongoing core operating performance as viewed by management. Management considers our core operating performance to be that which can be affected by our managers in any particular period through their management of the resources that affect our underlying revenue and profit generating operations during that period. Management uses this view of our operating performance for purposes of comparison with our business plan and individual operating budgets and allocation of resources. Additionally, when evaluating potential acquisitions, management excludes the items described above from its consideration of target performance and valuation. More specifically, management adjusts for the excluded items for the following reasons:

- Amortization charges for our intangible assets are inconsistent in amount and frequency and are significantly impacted by the timing and magnitude of our acquisition transactions. We therefore consider our operating results without these charges when evaluating our core performance. Generally, the most significant impact to inter-period comparability of our net income (loss) is in the first twelve months following an acquisition.
- Prior to adopting the FASB's authoritative guidance on business combinations in February 2009, in-process research and development was expensed upon acquisition. These charges are largely disregarded as acquisition decisions are made since they often result in charges that vary significantly in size and amount. Management excludes these charges when evaluating the impact of an acquisition transaction and our ongoing performance.
- Special charges are incurred based on the particular facts and circumstances of acquisition and restructuring decisions and can vary in size and frequency. These charges are not ordinarily included in our annual operating plan and related budget due the unpredictability of economic trends and the rapidly changing technology and competitive environment in our industry. We therefore exclude them when evaluating our managers' performance internally.

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- We view equity plan-related compensation as a key element of our employee retention and longterm incentives, not as an expense that we use in evaluating core operations in any given period. Management also believes this information is useful to investors to compare our performance to the performance of other companies in our industry who present non-GAAP results adjusted to exclude stock compensation expense.

Interest expense attributable to net retirement premiums or discounts on the early retirement of debt, the write-off of associated debt issuance costs and the amortization of the debt discount on convertible debt are excluded. Management does not consider these charges as a part of our core operating performance. The early retirement of debt and the associated debt issuance costs is not included in our annual operating plan and related budget due to unpredictability of market conditions which could facilitate an early retirement of debt. We do not consider the amortization of the debt discount on convertible debt to be a direct cost of operations. We also believe this presentation is more useful to investors in comparing our performance to the performance of other companies in our industry who present non-GAAP results adjusted to exclude such items.

- Impairment of cost method investments can occur when the fair value of the investment is less than its cost. This can occur when there is a significant deterioration in the investee's earnings performance, significant adverse changes in the general market conditions of the industry in which the investee operates, or indications that the investee may no longer be able to conduct business.

These charges are inconsistent in amount and frequency. We therefore consider our operating results without these charges when evaluating our core performance.

- Equity in income or losses of unconsolidated subsidiaries represents the net income (losses) in an investment accounted for under the equity method. The amounts represent our equity in the net income (losses) of a common stock investment. The carrying amount of our investment is adjusted for our share of earnings or losses of the investee. The amounts are excluded as we do not control the results of operations for these investments and management does not consider this activity a part of our core operating performance.

- Income tax expense (benefit) is adjusted by the amount of additional tax expense or benefit that we would accrue if we used non-GAAP results instead of GAAP results in the calculation of our tax liability, taking into consideration our long-term tax structure. We use a normalized effective tax rate of 17%, which reflects the weighted average tax rate applicable under the various tax jurisdictions in which we operate. This non-GAAP weighted average tax rate is subject to change over time for various reasons, including changes in the geographic business mix and changes in statutory tax rates. Our GAAP tax rate for the fiscal year ended January 31, 2010 is (11%). The GAAP tax rate considers certain mandatory and other non-scalable tax costs which may adversely or beneficially affect our tax rate depending upon our level of profitability in various jurisdictions. In certain instances our GAAP results of operations may not be profitable when our corresponding non-GAAP results are profitable or vice versa. The number of shares on which our non-GAAP earnings per share is calculated may therefore differ from the GAAP presentation due to the anti-dilutive effect of stock options in a loss situation.

Non-GAAP gross margin, operating margin, and net income (loss) are supplemental measures of our performance that are not required by, or presented in accordance with, GAAP. Moreover, they should not be considered as an alternative to any performance measure derived in accordance with GAAP, or as an alternative to cash flow from operating activities as a measure of our liquidity. We present non-GAAP gross margin, operating margin, and net income (loss) because we consider them to be important supplemental measures of our operating performance and profitability trends, and because we believe

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they give investors useful information on period-to-period performance as evaluated by management. Non-GAAP net income (loss) also facilitates comparison with other companies in our industry, which use similar financial measures to supplement their GAAP results. Non-GAAP net income (loss) has limitations as an analytical tool, and therefore should not be considered in isolation or as a substitute for analysis of our results as reported under GAAP. In the future we expect to continue to incur expenses similar to the non-GAAP adjustments described above and exclusion of these items in our non-GAAP presentation should not be construed as an inference that these costs are unusual, infrequent or non-recurring. Some of the limitations in relying on non-GAAP net income (loss) are: Amortization of intangibles represents the loss in value as the technology in our industry evolves, is advanced, or is replaced over time. The expense associated with this loss in value is not included in the non-GAAP net income (loss) presentation and therefore does not reflect the full economic effect of the ongoing cost of maintaining our current technological position in our competitive industry, which is addressed through our research and development program.

- We regularly engage in acquisition and assimilation activities as part of our ongoing business and regularly evaluate our businesses to determine whether any operations should be eliminated or curtailed. We therefore will continue to experience special charges on a regular basis. These costs also directly impact our available funds.
- We perform impairment analyses on cost method investments when triggering events occur and adjust the carrying value of assets when we determine it to be necessary. Impairment charges could therefore be incurred in any period.
- Our stock option and stock purchase plans are important components of our incentive compensation arrangements and will be reflected as expenses in our GAAP results. • Our income tax expense (benefit) will be ultimately based on our GAAP taxable income and actual tax rates in effect, which often differ significantly from the 17% rate assumed in our non-GAAP presentation.
- Other companies, including other companies in our industry, calculate non-GAAP net income (loss) differently than we do, limiting its usefulness as a comparative measure.

Unabridged press release with financials tables is available [here](#).

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Implementation Investments

Agilent Technologies' Advanced Design System Software Selected by Paratek Microwave for Antenna Tuning Module Development

3 March 2010

Agilent Technologies Inc. announced that its [Advanced Design System](#) (ADS) software has been selected by [Paratek Microwave](#) for use in development of tunable antenna modules for the mobile handset market. The accuracy, capacity and performance offered by ADS aid Paratek in the design of optimized modules as well as in the creation of models for its customers.

Paratek develops tunable RF solutions that dramatically improve RF performance and battery life in mobile handsets. Paratek has a range of product offerings that include Adaptive Impedance Matching Modules (AIMM), Radio Antenna Frequency Tuners (RAFT) and a family of tunable discrete components and sense and control ICs. Its solutions are based on Passive Tunable ICs utilizing a

proprietary dielectric material known as ParaScan.

“As the technology leader in adaptive RF tuning solutions for multi-function, multi-frequency wireless devices, we believe it is fundamental to have best-in-class design tools when creating leading-edge products for our customers,” said John Spears, director of product development with Paratek. “We specifically selected Agilent’s ADS software and its 3D Planar EM simulator, Momentum, because of its accuracy, versatility, speed, capacity, proven performance, and availability as the design environment of choice for our mobile handset customers. By providing these customers with ADS models for our products, we can ensure they have the tools they need to accurately design and optimize the performance of their designs.”

“Paratek’s innovative technology makes wireless devices smaller and more power efficient, while simultaneously delivering improved RF performance to help address the key challenges affecting wireless appliance manufacturers,” said Joe Civello, ADS product manager, with Agilent’s EEs of EDA organization. “We are excited that Paratek has selected ADS for the design of its high-performance adaptive RF products.”

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ANSYS and Safe Technology Outpace the Competition

4 March 2010

[ANSYS, Inc.](#) announced that race car engineering specialists Pratt & Miller used a combination of software from ANSYS and its partner Safe Technology Limited to redesign a cracked brake pedal face. The team used ANSYS® engineering simulation products and fe-safe™ fatigue analysis technology to explore design alternatives and identify an optimal solution that strengthened the critical part without excessive weight or compromising on race performance. The open architecture of ANSYS technology easily combined with the advanced fatigue analysis capabilities of fe-safe software to make the analysis process seamless, enabling Pratt & Miller to quickly identify an optimal redesign that met stringent fatigue life targets.

In world-class auto racing, mechanics often modify the car’s brake pedal face to comply with driver preference. Moving the pedal off center introduces a significant twisting moment — a situation that induces stresses and can lead to material fatigue. Pratt & Miller Engineering, a force in motorsports and high-level engineering, discovered that one of its race cars prematurely showed small cracks on the brake pedal face starting near the pivot pin, a result of custom-positioning the pedal face further and further off center. “This critical component clearly needed to be redesigned. Simply over-engineering a part really is not an option in motorsports with weight such a vital consideration; we have to run very close to the limit on our parts because weight costs speed, lap times and ultimately the race. Simulation was key to the solution in this case,” said Gary Latham, design office manager, Pratt & Miller Engineering.

For the re-design, Pratt & Miller’s goal was to greatly increase the component’s fatigue life without compromising on race performance. The team parameterized the pedal’s rib thickness and fillet size in a CAD package and compared the performance of various design alternatives in the ANSYS® Workbench™ environment. ANSYS software was instrumental in expediting design exploration, and it identified the lightest possible design without exceeding the material limits. Fatigue analysis with fe-safe clearly showed where the component needed to be strengthened. The fe-safe software also determined how much the stresses must be changed and how much material must be added — and where — to

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achieve the target design life of over 1 million cycles. The new design is now in production and back on the race track.

“A software platform that expedites in-depth design exploration of diverse and complex products is mandatory for today’s world of engineering design and development,” said Sandeep Sovani, global automotive industry manager at ANSYS, Inc. “Customers bring a variety of point solutions to their overall development process. The ANSYS software architecture is intentionally adaptive, open and flexible, designed so it can interoperate within the broader engineering simulation ecosystem of CAD, PLM, in-house codes and other technologies. So ANSYS works with a number of partners, such as Safe Technology, to extend efficiency and functionality. Pratt & Miller leveraged this seamless combination of multiple technologies to achieve a winning solution.”

About Pratt & Miller

Pratt & Miller Engineering is an industry leader designing and building vehicles and subsystems in the automotive, commercial, military and aerospace industries.

About Safe Technology Limited

Safe Technology Limited is a privately owned company dedicated solely to the development of fatigue analysis software solutions. The company’s fe-safe™ software suite is the technical leader in fatigue life prediction software for FEA. fe-safe and its specialist modules are used by leading blue-chip companies around the world. It is sold and supported directly by offices in the U.K. and the U.S.A. and by a worldwide network of independent distributors. fe-safe is a trademark of Safe Technology Limited.

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Architect’s ‘Net Zero’ Dream Home Designed in ArchiCAD

1 March 2010

Designed by [architect John Zona III](#) using [ArchiCAD 13](#) software from GRAPHISOFT, the Jacksonville, Florida, residence is Zona and his wife’s personal dream home. It features a main residence and guest cottage/studio, both with football-shaped footprints to minimize energy demands for cooling. The long edges face the south and north; only the points of the football face the higher-intensity east and west.

As a net zero home, the Zona property consumes no more power than it produces with its elegantly arrayed 6.5 kWh solar photovoltaic panels. Its geothermal cooling system consumes less than half the energy of even the most efficient conventional air conditioning. Other eco-friendly touches include an 8,000-gallon rain collection tower for bathing, dishwashing, laundry and other non-drinking use. Graywater is reused for irrigation, and organic waste is composted for the garden. All materials are locally sourced, and all wood scrap from building the home was recycled into new boards. The roof and siding reflects, rather than absorbs, sunlight.

ArchiCAD’s building information modeling (BIM) software – and its companion products from GRAPHISOFT, [EcoDesigner](#) for sustainable design and [MEP Modeler](#) for mechanical, electrical and plumbing design – enabled Zona to model the house in three dimensions. Zona could then automatically pump out 2D floor plans, elevations, sections and orthographic projections for the builders. “ArchiCAD helped us easily understand the uniquely shaped spaces, including the thermal qualities of volumes that were sometimes two stories deep,” Zona said. “ArchiCAD gave us shade and sun studies and on-demand renderings of interiors with different materials, textures, colors and furniture. Every day was an

adventure for the carpenters, and ArchiCAD's ability to produce any view at any time ensured it was a fun adventure. Some of this work would have taken five times longer without ArchiCAD and its extensions. In fact, some parts would have been impossible.”

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AVTOVAZ Develops New Car Models with Dassault Systèmes PLM Solutions

26 February 2010

Dassault Systemes ([DS](#)) and JSC AVTOVAZ officially confirmed the successful implementation of DS CATIA software for designing new car models.

AVTOVAZ, best known to the world for its LADA brand, is the leading car manufacturer in Russia. More than a quarter of the cars sold in Russia are manufactured by AVTOVAZ. Every year the company enriches its product line with new car models or modifications as well as with multiple new configurations of the existing ones. Despite the economic crisis, AVTOVAZ is intending to continue its product line renewal.

AVTOVAZ first implemented CATIA, an acknowledged international design standard in the automotive industry in 1991 to design a vehicle body. Today, CATIA is used to design an entire digital car model, including its body, passenger compartment, engine, chassis, and other car components. CATIA enables the use of modern design technologies to create A class surfaces in car design and the production of design layouts of new car models by the AVTOVAZ Design office.

Head of Computer Aided Design Engineering office Yury Prokhorov said: "The use of CATIA for car design at JSC AVTOVAZ allows to achieve the following benefits:

- reduction of development cycles, both in design and pre-production, and overall time to market;
- better collaboration between project developers, enabling them to reduce mistakes in the various design stages;
- virtual testing of the car through its 3D digital mockup and the analysis of its technical features before production. “

“The automotive industry has changed considerably in recent years. Manufacturers are seeking new ways to organize their business, as well as optimize the use of internal resources and industrial partnerships,” says Laurent Valroff, director, Russia & CIS, Dassault Systemes. “The shortening of production cycles and, therefore, the increase in return on investment, is one of the main goals that can be achieved through the optimization of the industrial process. Dassault Systèmes PLM solutions, such as CATIA for virtual product design, enhance collaborative design and provide a unified platform that enables the creation of an innovative new generation of cars. The solution can be implemented by an enterprise of any size: from producers of complex equipment and their suppliers to small independent enterprises.”

About AVTOVAZ

JSC AVTOVAZ is the biggest car manufacturer in Russia and Eastern Europe.

From 1970 till 2008 the company produced more than 25 million cars. Existing production possibilities allow to manufacture more than 700 000 cars yearly.

Fuel-efficient cars are assembled under license abroad and in a number of Russian cities.

For more information visit <http://www.lada.ru>

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Electric Car Manufacturer Optimal Energy Adopts Dassault Systemes V6 PLM Solution

2 March 2010

Dassault Systèmes ([DS](#)) announced that Optimal Energy, South African car manufacturer, will develop Joule, Africa's first battery-powered vehicle, with the DS V6 solutions. Optimal Energy will rely on Dassault Systèmes CATIA and ENOVIA V6 for product design and data management. With the objective to transform the face of the urban transportation landscape with a dynamic, "real world" electric vehicle, Joule boasts ample room space, a top speed of 135 km/h and a nominal range of 300km on a single charge.

"Everything is in the same platform and interconnected. If someone needs information on the product, there is only one place they have to go and look"

."There are not many electric cars on the market at the moment, but most of the concepts that have been seen are quite small cars," said Anton Greeff, Chief Mechanical Engineer, Optimal Energy. "Ours is built to be an urban driving solution that's comfortable with a distinctive and attractive design." Several prototypes of Joule are already on the road, and the car will be available for sale to the public end of 2012.

[Optimal Energy](#) chose to adopt the DS solutions in order to benefit from the technical capabilities of an OEM, which has built its experience over many decades, in a short amount of time. "Perfectly targeted toward the automotive market, the DS solutions have sped up our learning curve tremendously," said Greeff.

With many of Optimal Energy's automotive suppliers and system developers based in Europe or the Far East, the company chose ENOVIA V6's integrated collaboration platform to provide all actors with an access to a single version of the truth, from initial requirements to production. "Everything is in the same platform and interconnected. If someone needs information on the product, there is only one place they have to go and look," said Anton Greeff.

Working with partners and suppliers from a distance can drive up costs and generate delays. To alleviate this problem, Optimal Energy chose ENOVIA 3DLIVE so that people can collaborate on the same model in real time over the Internet. "Using 3DLIVE to communicate visually with those responsible for building the car and not having to travel back and forth constantly to see the model on a CAD station is very important for us," said Jako von Molendorff, Configuration Manager, Optimal Energy.

"As a young company, Optimal Energy needed to make a strong impression in a market already dominated by car manufacturing veterans. That Optimal Energy chose V6 to express its fervent commitment to protect the environment as well as its desire to build a car that is truly an alternative to most electric vehicles on the market today is something we are very pleased with," said Laurent Couillard, vice president PLM value selling EMEA, Dassault Systèmes.

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Komatsu America Selects PTC's Windchill® and Arbortext® Software to Improve Delivery of Product Information

2 March 2010

PTC announced that Komatsu America Corp., a subsidiary of Komatsu Ltd., the world's second largest manufacturer and supplier of construction, mining and compact construction equipment, has chosen Windchill®, PTC's PLM software, and Arbortext®, PTC's Dynamic Information Delivery software.

"As validated with Komatsu, Arbortext combined with Windchill can provide tremendous ROI for our customers within their technical and service information processes."

.Komatsu manufactures an array of products, including dump trucks, hydraulic excavators and a computer-based mine management system. Through its internal technical publishing and training department, Komatsu supports the production and delivery of technical information in the forms of operating instructions, shop manuals, parts books and training presentations. In response to increasing content complexity and global opportunities, Komatsu needed to improve the automation of its technical publication processes to ensure the delivery of high-quality, multi-language product and service information.

"Komatsu America chose to work with [PTC](#) because PTC's integral PLM architecture and broad set of dynamic publishing capabilities fit well with our corporate strategy for improving how we create and deliver product information," said Sean Smither, manager service material, Komatsu America Corp. "Working with the whole PTC team, from sales to technical support, has been a great experience as they have been very supportive during the entire process. We look forward to continue working with PTC."

Windchill and Arbortext will enable Komatsu America to establish a dynamic publishing system that will allow it to repurpose engineering source data to create technical publications and automate the delivery of product information to the field. Komatsu estimates that it can save \$900,000 annually by reducing its direct and indirect costs of localization, automating its processes and communication with outsourced agencies, and consolidating information shared globally across its business groups. The selection expands Komatsu's use of PTC software, which already includes Pro/ENGINEER®, PTC's integrated parametric MCAD/CAM/CAE software.

"PTC is committed to helping our customers realize the greatest value from their product development data," said Bill Berutti, Arbortext general manager, PTC. "As validated with [Komatsu](#), Arbortext combined with Windchill can provide tremendous ROI for our customers within their technical and service information processes."

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MEYER WERFT Selects Dassault Systèmes V6 Solution and IBM to Implement Next Generation Shipbuilding PLM

3 March 2010

[Dassault Systèmes \(DS\)](#) and IBM announced that MEYER WERFT, one of the world's leading cruise ship builders, has selected the Dassault Systèmes V6 PLM platform for collaborative product development. IBM Global Business Services (GBS) will provide transformation consulting, implementation and integration services to improve time, quality and cost in the yard's engineering and manufacturing processes.

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MEYER WERFT is one of the leading cruise ships builders with customers from all over the world. Since its foundation in 1795, six generations of the Meyer family have established the company's excellent reputation as a builder of special-purpose ships such as car and passenger ferries, gas tankers, and luxury cruise vessels. Building cruise ships requires the management of more than 10 million different parts in design and production logistics. This puts exceptionally high requirements on the features and performance of a PLM system, as compared to other industries.

MEYER WERFT has been looking for a next-generation Product Lifecycle Management solution that would support growing efficiency in design and production, and boost its ability to innovate and manage the increasing complexity of luxury cruise ships.

Already a leading user of Dassault Systèmes' CATIA shipbuilding solution, MEYER WERFT conducted an extensive benchmark, beginning in 2009, and selected Dassault Systemes V6 platform and IBM GBS expertise for consulting, implementation and integration of the new PLM platform. IBM will be partner for definition and design of process of all development projects of MEYER WERFT.

"In order to stay the most innovative and efficient shipyard in the world, PLM is a key enabler for us allowing us to manage the increasing complexity of our ships in more effective ways" said Lambert Kruse, Managing Director, MEYER WERFT. "Our decision for the V6 solution was based on several key factors, including its powerful combination of 3D and PLM infrastructure, as well as IBM's and DS's commitment to partnership and openness."

IBM Global Business Services is MEYER WERFT's Partner to leverage the business potential of V6 PLM in the [MEYER WERFT](#) process and IT landscape. Therefore IBM GBS will be responsible for the project management as well as the organizational change management. Furthermore IBM consultants will design a sustainable architecture for an efficient integration of V6 PLM with the existing application and process environment based on long term experiences in the service oriented architecture (SOA) together with MEYER WERFT. With V6, MEYER WERFT will be able to provide to a broad internal audience an intuitive online access to the comprehensive 3D definition and product data of their ships in design and production.

"We are happy to continue our successful long term relationship with MEYER WERFT.

Consulting services play a crucial role in today's challenging PLM programs." said Martin Jetter, General Manager IBM Germany. "IBM is positioned excellently to support MEYER WERFT in this business critical transformation project with long term customer insight and strong process and technology capabilities in the PLM space."

"We are very happy to be MEYER WERFT's partner for their next-generation PLM implementation. We both believe that long term partnership creates mutual values" said Bernard Charlès, President and CEO, Dassault Systèmes. «MEYER WERFT builds magnificent and highly complex ships, involving uniquely skilled and knowledgeable people from design to construction and delivery, in a wide variety of disciplines. With V6 PLM, we provide a new level of ease of use, and wider discipline coverage, making it possible to collaborate with 3D Lifelike experiences, and therefore improve quality of understanding and communication for all actors involved".

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New: Fireproof, Waterproof Hard Drives

1 March 2010

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Your product designs. Your customer records. Your precious photos and video. These are things that insurance companies can't protect, but [ioSafe](#) can.

The private Auburn, Calif., company, growing at 400 percent annually, uses [SolidWorks](#)[®] CAD software to design disaster-proof data storage devices for computer systems of any size, whether netbooks or Fortune 500 data centers. Like an aircraft's black box, an ioSafe internal or external hard drive safeguards valuable data in the event of a fire, flood, building collapse, or other catastrophe. It also performs the basic tasks that less fortified data storage drives do – backing up your important data in event of run-of-the-mill computer crash or virus. An ioSafe drive is a “disaster plan in a box” for the vast majority small and medium businesses struggling to protect their irreplaceable data.

The ioSafe Solo is the company's most popular offering, a \$150 external hard drive for any business or individuals using an external hard drive for data storage. Like its siblings, it's built to protect data in fires up to 1,550 degrees Fahrenheit for 30 minutes and can be submerged up to 10 feet for 3 days in the ocean without data loss. ioSafe used SolidWorks to tackle the product's core design challenge: enabling heat-producing hard drives to stay cool in a water-protected, insulated, fireproof container.

“SolidWorks [Flow Simulation](#) is perfect for designing an airflow to maximize cooling and minimize fan noise,” said Robb Moore, ioSafe CEO. “We saved \$15,000 on product development by making virtual prototypes and performing simulations. The biggest benefit, however, was reducing our time to market by 75 percent – down to one month instead of four – thereby reclaiming three months of potentially lost sales of a high-demand product. What we've done wouldn't be possible without CAD and simulation to quickly iterate virtual prototypes.”

Moore invested in SolidWorks because engineers can learn it much more quickly than other software ioSafe has tried. “As a company owner, finding quality engineers and getting them up to speed quickly is a big expense,” Moore said. “SolidWorks gives me the upper hand. It takes about one-fifth of the time to get new employees to the point where they can use the powerful features, add value, work quickly, and contribute to the team.”

ioSafe relies on authorized SolidWorks reseller [GoEngineer](#) for ongoing software training, implementation, and support.

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Zachry Standardizes on Bentley's ConstructSim

2 March 2010

Bentley Systems, Incorporated announced that Zachry Holdings, Inc., a San Antonio, Texas-based engineering, construction, and industrial maintenance company, has standardized on Bentley's ConstructSim. The software will be made available to all of [Zachry](#)'s project teams at job sites nationwide to enhance their productivity, provide optimum construction paths, shorten schedules, reduce risks, and improve safety. The software produces a construction information model that links data from design deliverables, schematics, project management tools, materials, and resource management systems in a virtual and visual environment.

Ed Bardgett, president of Zachry Nuclear, Inc., said, “Investing in technology that positively impacts return on investment has always been critically important to the success of our organization. It enables us to leverage the experience and expertise of our very capable and hard-working project teams and extend our presence in infrastructure projects of substantial scale and scope.”

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Bardgett continued, “Our decision to standardize on ConstructSim was based on the success we’ve had using the software for many years on several important projects. Its ability to enhance the productivity of our construction teams provides us with optimum construction paths that shorten schedules, reduce risks, improve safety, and, ultimately, help us consistently achieve unmatched deliverables. These benefits are instrumental in driving new business to our organization.”

ConstructSim enables owner-operators and construction managers working on large, complex projects to avoid costly mistakes and change orders by creating and tracking work packages that closely match the actual construction workflow. It also reduces the risk of delays and cost overruns by providing complete visibility into issues impacting the construction schedule that typically are unforeseen. As a result, construction work activities can be scheduled and managed based on actual material, labor, and equipment availability rather than planned availability. This unique “work-facing” orientation of ConstructSim provides an ideal tool for the construction project superintendent or field crew supervisor to organize, manage, schedule, and record the progress of actual installation processes and tasks.

Clay Briscoe, director of project controls at Zachry, added, “True project success is highly dependent on our ability to break down generalized high-level plans into smaller activities that can be measured and monitored. ConstructSim integrates the larger EPC team by providing them with a communication tool that automates the process of pulling together all of the required project specifics so detailed work can be effectively and efficiently planned, executed, and tracked. As design and engineering information becomes available, it can be easily visualized across all disciplines, including our procurement teams, which can view all of the specifications, scheduling, arrival dates, and other critical information.”

Briscoe continued, “As changes are made in the engineering, design, and procurement phase, the construction group can easily make the necessary adjustments, demonstrate the requirements of their plan, and move toward a more successful outcome for our projects.”

Zachry formerly loaded tracking systems largely through manual take-off and, as a result, could not easily correlate planned work activities with key constraints such as material availability. This approach proved to be both time-consuming and error-prone, and often resulted in inconsistent data across disciplines.

“With ConstructSim,” Briscoe said, “we have tighter control over our projects, we benefit from improved on-site execution, and our teams are better able to make project adjustments as new information becomes available. On average, we’re able to save a large percentage on our construction schedules, which translates into substantial dollar savings for the customer.”

For additional information about Bentley’s ConstructSim V8i construction simulation software, visit <http://www.bentley.com/en-US/Products/ConstructSim>.

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Product News

Cadac Organice Announces Cadac Organice Workbox

1 March 2010

Cadac Organice BV will introduce Cadac Organice 2010 on March 8, 2010 including Cadac Organice Workbox for SharePoint workflow management.

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Cadac Organice BV, a Microsoft Gold Certified Partner developing [Cadac Organice](#), a SharePoint based engineering document management solution, announced Cadac Organice Workbox as a new product module in the upcoming Cadac Organice 2010 Product Suite.

The Cadac Organice 2010 Product Suite will bring exiting new features and functionalities of which some will be unveiled in the upcoming weeks prior to the official release on March 8, 2010. One of these new features is [SharePoint workflow management](#) provided through Cadac Organice Workbox, a new product module in the Cadac Organice 2010 Product Suite. Cadac Organice Workbox provides companies the possibility to build SharePoint workflows to automate their business processes. Through the user friendly and graphical user interface of Cadac Organice Workbox Designer, users are able to easily build state workflows using drag & drop functionality. The flexibility of the state workflow engine allows users to create serial and parallel workflows and provides all the tools to build simple to very complex workflows.

When workflows are built, they can be executed automatically on documents and items in SharePoint, or manually by the user through the Cadac Organice Explorer client. The user can select one or more documents or items and execute an available workflow on these documents or items. Through the Cadac Organice Explorer interface users have insight in the workflows that are running or completed on documents or items and they can get visual feedback on the status and history of the workflow.

Cadac Organice Workbox is very beneficial to companies that want to automate their business processes to increase the efficiency of their organization.

The Cadac Organice 2010 Product Suite including Cadac Organice Workbox will be introduced on March 8, 2010.

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Design Master Software Releases 64-bit Versions of HVAC, Electrical, and Plumbing

22 February 2010

Design Master Software released new versions of its three programs, Design Master HVAC, Design Master Electrical, and Design Master Plumbing. Notable new features in these releases include:

- 64-bit Support:** All three programs support 64-bit computers, allowing users to take advantage of the most powerful computer hardware available today.
- AutoCAD 2010 Ribbons:** Ribbons for all three programs were added for AutoCAD 2010. Using the new ribbons allows users to be more productive when using the latest release of AutoCAD.
- HVAC IFC Export:** Design Master HVAC can now export its 3D ductwork in IFC format. These ducts can be imported directly into Revit Architectural for collision-detection, allowing users to participate more fully in 3D-BIM projects.

These new releases are available immediately to all current subscribers to Design Master HVAC, Design Master Electrical, and Design Master Plumbing. A free 30-day trial is available at <http://www.designmaster.biz>.

About Design Master Software, Inc.

[Design Master Software](#) develops integrated calculation and drafting software for electrical, mechanical, and plumbing building engineers. Their first two products, Design Master Electrical and Design Master

HVAC, have been available since 2001.

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Intergraph® Releases New Version of SmartPlant 3D® Engineering Design Solution

2 March 2010

[Intergraph®](#) has released the new version of its SmartPlant 3D® enterprise engineering design software with new capabilities for multiple 3D model referencing, enhanced model data reuse and laser scanning integration capabilities to further increase engineering design quality, productivity and accelerate project schedules.

SmartPlant 3D is an advanced, t productive next-generation 3D design system for the process and power industries including automated design capabilities. Customers using SmartPlant 3D typically realize 25- to 35-percent initial increases in productivity.

Enhancements to the newest version of SmartPlant 3D include:

- **Reference 3D capabilities** – using Intergraph’s proven SmartPlant Review technology, SmartPlant 3D now can reference external data from many sources for visualization, clash detection and routed systems connections. Supported formats include PDS, PDMS, SAT, DGN, DGN V8, DWG and VUE. This capability is very powerful when undertaking repeated 3D designs or for joint venture projects where multiple companies may be using different design products. Referenced 3D models can also be included in drawing and report generation.
- **Enhanced model data reuse** – SmartPlant 3D can copy 3D data within a model or to another model while maintaining relationships within the design. Entire units of a plant can be replicated with all associated intelligence, reducing valuable engineering design effort while accelerating project schedules.
- **Laser scanning integration** – integration with laser point cloud data ensures accurate measurements and placement of equipment while checking for interferences against the point cloud data. Clashes are automatically highlighted, allowing for easy edits and removal and saving time on designs and rework. Smart3D supports Leica, Z&F, Trimble, QuantaPoint and CSA laser data formats.

Patrick Holcomb, Intergraph Process, Power & Marine executive vice president, said, “As the world leader in enterprise engineering software, Intergraph is committed to its customers and the industry in continually advancing capabilities to its flagship 3D engineering and design solution. The new enhancements will enable users to save even more valuable time and resources, increase productivity and accelerate project schedules.”

SmartPlant 3D, available in both Plant and Marine versions, is the 3D design solution within the SmartPlant Enterprise suite that provides full 3D design capabilities needed for the creation, safe operation and maintenance, and capital Project Life Cycle Management (cPLM) of process, power, marine and offshore projects.

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Jack 6.1 for Tecnomatix

1 March 2010

The Jack® software application is used as part of the Tecnomatix® software family. Recently the new

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version Jack 6.1 was released and will be shipped to customers soon. This new version provides a variety of new capabilities which significantly increase the productivity of your planning workflow.

The main new capabilities cover:

1. Advancements in population representation
2. Increased ease and realism in posturing
3. Sophisticated human performance assessment

Jack now supports the Chinese and Japanese population with dedicated anthropometric data bases. This enables you to validate easily and precise manual manufacturing situations for different populations.

The new force influenced posturing allows you analyze situations which include pull or push operations. Based on the influenced force, Jack automatically sets the right posture for the ergonomic analysis. This increases ease and realism in posturing Jack.

The Force-Solver allows one to predict the maximum acceptable force a human could exert under certain condition. This new sophisticated human performance assessment enables the user to execute what-if scenarios or assess design proposals and provide force-specifications. With the Force-Solver, one do not need to know the weight or force of an object a priori to conducting the assessment. The Force-Solver will calculate the maximum acceptable force for the human for you.

More detailed information about all the new and cool features of Jack is available by joining a free webinar on Feb 24th. This webinar includes a live demonstration. If you miss the live event you can also view a replay:

<http://am.siemensplmevents.com/?elqPURLPage=1503>.

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Lattice Technology Releases Lattice3D Reporter Ver. 3.1

4 March 2010

Lattice Technology® Inc. released the latest version of the Lattice3D Reporter application, which embeds 3D, BOM and related data in Microsoft Excel spreadsheets.

Lattice3D Reporter Ver. 3.1 delivers enhancements to security measures and display tools within the software, alongside new, advanced tools that enable the automated creation of spreadsheets, using 3D data, based on pre-defined templates.

The new Template Option for Lattice3D Reporter 3.1 delivers powerful new tools to generate a 3D spreadsheet, with interrelated parts lists, BOMs, work instructions etc., at a single click of a button. Depending on what templates have been pre-defined, manufacturers can simply load an XVL file, and the application will automatically create the documents, including:

- Interactive 3D spreadsheets/BOMs which have linked lists and 3D data
- Print-ready work instruction spreadsheets, BOMs and other documents which include 3D images alongside written instructions and lists
- Digital work instructions that include embedded animations of assembly processes alongside written instructions and parts lists

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- Multiple worksheets within the document describing each process
- And more

The data used can be already embedded within an XVL® file, as well as extracted from disparate sources such as PLM and ERP systems and 3D CAD data, including process instructions, BOMs and 3D data.

Lattice3D Reporter Ver. 3.1 is delivered with ready-made sample templates that can be directly used or customized to suit a manufacturer's specific needs. The templates are easily defined using two documents that classify the layout of data and the parameters to be used to create the final document. Automatic updating, as with all Lattice Technology Solutions, is an inherent part of Lattice3D Reporter.

"This is another significant productivity improvement from Lattice Technology," said Bill Barnes, General Manager, Lattice Technology Inc. "At a single click of a button, complex manufacturing processes can be expressed quickly and easily in a series of standard documents which can be shared immediately throughout an organization. This software does not require an experienced engineer or expensive CAD seats thus freeing up valuable resources for other tasks. Every manufacturer should be using this."

Other enhancements available in this new version include: The ability to control the accessibility of the 3D data in the Excel file to ensure that it can only be viewed internally to the operation: Tools to set more access levels to the Excel spreadsheet for added security: Display of multiple parts in the 3D data when selected in the parts and instruction lists: And the inclusion of parts names and quantities in the embedded work instructions.

Manufacturing and engineering professionals can try out Lattice3D Reporter Ver. 3.1 by registering at Lattice Technology's web site at:

http://www.lattice3d.com/3D_product_download/xvl_app_download_popup.html

Find out more about Lattice3D Reporter at:

http://www.lattice3d.com/products/products_reporter_3d_software.html

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PDXpert PLM Software Focus is on Speed with New 64-Bit Version

3 March 2010

Active Sensing, Inc. ([ASI](#)) introduced a 64-bit native version of its PDXpert® PLM product lifecycle management software. Unlike most "64-bit compatible" data management systems, PDXpert runs in true Windows 64-bit mode, not just WOW64.

PDXpert PLM software's re-designed setup program ensures the fastest and simplest installation. A single downloadable installer includes both 32-bit and 64-bit versions of the PDXpert server and client, and automatically installs the appropriate database software. The resulting PDXpert system, which includes a useful starting configuration, can be fully operational in as little as 15 minutes. Both 32-bit and 64-bit PDXpert versions may be freely intermixed on the same network.

Improved application speed extends beyond just 64-bit performance. An expanded client-side cache significantly reduces server requests, while PDXpert's simple and effective Google™-like search indexes part, document and change forms to display relevance-ranked results faster than ever.

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ASI's product website, BuyPLM.com, continues to offer a simple PLM software experience. BuyPLM.com provides free, fully-functional trial software via download; helpful on-line training materials; attractive published pricing; and flexible perpetual- and subscription-based licensing alternatives. Questions are answered by a friendly, knowledgeable support team.

A complete single-user PDXpert PLM 2010 Edition system starts at just US\$999, and volume discounts are available. An all-inclusive subscription license costs as little as US\$25 per month. PDXpert PLM software release 6.1 is available now at the BuyPLM.com website.

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Premium Car Manufacturer and MSC.Software Partner to Jointly Develop a SimManager Automotive Portal

2 March 2010

MSC.Software announced that BMW Group and MSC.Software agreed to jointly develop a CAE Automotive Portal using SimManager. This portal will replace the BMW "CAE-Bench" simulation data management solution. SimManager Automotive Portal will be included as an additional vertical solution in MSC.Software's product portfolio during 2011.

The SimManager Automotive Portal is based on **SimManager** which is used at leading manufacturing companies globally. SimManager is a solution for simulation process and data management. Automation, traceability, and standardized simulation information storage are outstanding benefits of the system. Automotive specific functionality preconfigured in the Automotive Portal includes crash simulation, pedestrian protection, acoustics and structural durability. An expansion to include additional CAE disciplines is planned following the initial deployment. Consistency will be maintained with the Product Lifecycle Management system introduced by BMW.

"A solution for simulation data management and process automation preconfigured to automotive requirements as part of SimManager represents a strategic alignment with important user requirements at BMW and other automotive manufacturers globally," says Kais Bouchiba, Senior Vice President MSC.Software.

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Sybase & Wipro Join Hands to Power SAP Applications on Mobiles

2 March 2010

Sybase Software (India) Pvt. Ltd. ("Sybase India"), the Indian subsidiary of Sybase, Inc., an industry leader in enterprise and mobile software and Wipro Infotech, the India and Middle East IT Business of Wipro Ltd announced a partnership to extend SAP applications to a variety of mobile device types. With these solutions, SAP customers will be able to securely access their business-critical enterprise applications while on the move.

Sybase and SAP are jointly delivering co-developed solutions for extending SAP CRM and SAP Business Suite to mobile devices. SAP customers will now be able to leverage Wipro's SAP implementation skills to customize these Sybase® Mobile Solutions for SAP, in addition to developing custom mobile applications for other SAP modules such as SRM SCM, PLM, etc. that will be directed towards areas like mobile services, mobile sales, time and travel approvals, workflows, warehouse

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management, asset management, etc. Wipro's solutions will be based on Sybase® Unwired Platform (SUP), a mobile enterprise application platform that provides systems integrators, independent software vendors, and enterprise developers with the ability to easily develop, deploy and manage mobile applications. This comprehensive, yet flexible mobility infrastructure will enable enterprises to implement, manage and expand their mobile computing initiatives in a coherent, streamlined and cost-effective manner. Mobile solutions created using the Unwired Platform enable mobile workers to access business critical data anytime, from anywhere, leading to a positive impact on productivity and revenue.

Mr. Sunil Jose, Managing Director, India & Sub-continent, Sybase Software (India) Pvt. Ltd. said, "The Sybase & Wipro partnership will offer Wipro's SAP customers, applications on the go. SUP supports a wide variety of popular mobile platforms. This enables true mobility for a large section of employees and not just top or middle management. Through this, SAP's customers will be able to create an information edge by optimizing and enhancing the infrastructure they already own, linking valuable data resources in place, and securely delivering information anytime, anywhere."

Commenting on the partnership, Sairaman Jagannathan, Vice President, Business Solutions Division, Wipro said, "Building on our SAP partnership, this partnership with Sybase demonstrates a strong synergy between our companies as we share a common goal of providing businesses easy access to valuable information contained within enterprise applications. As Sybase's implementation partner, we will bring in tight integration with a wide range of mobile environments to ensure secure and real-time access to information. Wipro chose Sybase as a strategic partner based on the strength of its mobile enterprise application platform and rich expertise and proven leadership in the enterprise mobility space."

As part of this joint initiative, Wipro will set up a Center of Excellence at its research Center, Sangam, [in Bangalore, where customers will be able to experience the various mobile applications developed by Wipro](#) to mobilize SAP. This Centre of Excellence will also be used to develop newer industry frameworks that can be used across different customer verticals.

Mr. Sunil Jose further added, "Sybase is in the best position to support the movement away from siloed mobile applications to the mass adoption of mobility across the entire enterprise. With the growing number of end users and device types to the demand for real time access to information, our enterprise mobility platform is unrivaled in the industry. We believe our position in Gartner's leader quadrant is a further validation of the significant advancements made to our Sybase® Unwired Platform and success in building out our partnership ecosystem".

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Synopsys System Studio Speeds DSP Algorithm Development With New Matrix Data-Type Support

3 March 2010

Synopsys, Inc. announced important new capabilities in its System Studio C/C++ model-based analysis and simulation environment, further enhancing algorithm developer efficiency. System Studio now offers matrix and vector data-type support, which significantly reduces the coding and debugging effort necessary to author signal processing simulation models. Furthermore, System Studio addresses the need for faster simulation runs by integrating highly efficient parallelized matrix and vector function libraries optimized for multicore systems. These function libraries speed up simulation performance by up to eight times (8x).

System Studio's C/C++ model-based analysis and simulation environment is widely deployed for the

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design of complex digital signal processing algorithms, including wireless, wireline and multimedia applications. Advanced signal processing standards are defined using matrix and vector notations. Examples range from describing simple filter operations to complex multi-antenna MIMO systems such as LTE or WiMAX. Availability of type-generic matrix and vector data types, plus dedicated functions and operators, significantly increases designer efficiency when authoring a simulation model of these standards. This efficiency is achieved by reducing the necessary number of lines of code by 10 to 100x compared to describing it with generic ANSI-C data types. At the same time, the complexity of these standards requires the highest simulation performance, as unaccelerated single simulation runs easily take hours or even days to complete. System Studio customers already benefit from highly optimized simulation performance through a combination of C/C++ based modeling and advanced compiled simulation techniques. The new multicore support for matrix and vector functions results in further simulation performance improvements up to 8x.

"System Studio allows us to both create models rapidly and simulate quickly to verify standard compliance," said Graham Freeland, chief software engineer at Steepest Ascent, which provides mobile and wireless simulation libraries, professional consulting, and embedded communication systems design. "When developing our LTE physical layer model library for System Studio, we were able to use matrix and vector data types to rapidly transfer the specification into an executable model. The combination of extremely high simulation performance and standards-compliant simulation models enables us to significantly reduce time-to-results."

"System Studio customers are involved in complex, leading-edge signal-processing designs. For them, time-to-results from system specification all the way to a bit-true reference model is of paramount importance," said Markus Willems, senior product marketing manager for system-level solutions at Synopsys. "The availability of matrix and vector data types, operators, and functions benefits System Studio customers in three distinct ways: enhancing designers' efficiency when authoring a model, providing the highest simulation performance, and enabling efficient integration of algorithmic models into hardware and software verification flows."

The new matrix and vector data types, operators and functions are accompanied by a rich model library, delivered as part of System Studio at no extra cost. The model library includes performance-optimized implementations of widely used functions such as linear algebra operations, matrix multiplication, FFT, singular value decomposition and eigenvalue computation. Also, 2D and 3D visualization allows intuitive representation of matrix data.

Availability

System Studio featuring multicore matrix and vector data-type support is available immediately; existing licensees receive it as a regular maintenance update. For more information go to <http://www.synopsys.com/systemstudio>.

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Upcoming Rapidform XOR3 Release Makes Creating CAD Models from 3D Scan Data Faster and Easier

26 February 2010

INUS Technology, Inc. (<http://www.rapidform.com>) announced that the next major release of its flagship reverse engineering software, Rapidform XOR, will be available in April, 2010. Rapidform XOR is the only software that combines 3D scan data processing and real parametric solid modeling to

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give users the ability to create intelligent CAD models from point clouds and polygon meshes. It is also the only application that sends these CAD models to SolidWorks, Pro/ENGINEER, Siemens NX, and now AutoCAD.

Rapidform XOR3 makes the process of creating engineering-grade CAD models of real world objects easier than ever. Unlike other reverse engineering software, XOR makes real CAD features with parent-child relationships, not just surfaces that can be exchanged with CAD software. 3D models created in XOR are higher quality, easier to transfer into CAD, and are more easily edited than surface-based models. With this new release, XOR offers more than 350 upgrades to save time and increase throughput.

New features coming in Rapidform XOR3 include:

- Modeling Wizards that automate the process of creating various features, including extrusions, revolutions, sweeps and pipes. These wizards compress modeling time by up to 75%.
- Streamlined liveTransfer, XOR's unique CAD interoperability technology.

XOR3 communicates faster and transfers more than 20 unique feature types into SolidWorks, Pro/E and Siemens NX.

- Native interoperability with AutoCAD. XOR3 adds liveTransfer for AutoCAD, so architecture, engineering and construction professionals can now create models in XOR and transfer sketches, pipes, lofts, sweeps and more directly into AutoCAD.
- A new massive point cloud processing engine.

XOR3 handles large point clouds much more efficiently, so copious data sets from today's cutting-edge 3D scanners are no problem.

- WYSIWYG batch process designer.

Just drag and drop the commands in the order you want them to operate, and point XOR3 at a folder of scan data. It will process each scan automatically, giving you optimized mesh models without any effort.

Rapidform XOR3 will include many more improvements and major new features that will be announced upon release. For all the latest updates, go to the Rapidform XOR3 preview site <http://launch.rapidformxor.com>.



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