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Acquisitions

AVEVA Acquires Logimatic's MARS Business to Create a New Centre of Excellence in the Fields of Project Management and Planning

3 June 2010

[AVEVA](#) announced the acquisition of Logimatic's MARS business from Logimatic Holdings A/S. This strategic acquisition of the MARS products and services will be merged into AVEVA's Enterprise Solutions Group and tightly aligned with its flagship AVEVA NET solution. The new combination will create an engineering and information management offering for the Marine and Plant industries, with integrated materials and project management as well as operational planning for design, production and construction.

MARS is a dedicated solution that optimises project control, logistics, materials management, production, resources and planning. It is designed specifically to reduce cost and build time for major projects, and has more than 50 reference accounts across the global shipbuilding industry.

The new AVEVA MARS offering, in combination with AVEVA NET and the broader AVEVA Marine portfolio, provides a fully integrated PLM solution to the shipbuilding industry. MARS will also be

CIMdata PLM Industry Summary

integrated with AVEVA's VPRM products to create a complete material management, construction management and planning solution for the Plant industries.

As part of AVEVA's Enterprise Solutions Group, the AVEVA MARS organisation, based in Aalborg, Denmark, will form the centre of excellence of AVEVA's Project Management solutions. The MARS sales organisation will be integrated into the existing AVEVA sales team to provide a strong global presence for the new range of products and services.

Derek Middlemas, Group Operations Director at AVEVA, commented: "The MARS business is a perfect complement to our Marine and Plant solutions. In shipbuilding it strengthens our existing PLM offering with material control and production planning capabilities. When combined with AVEVA VPRM and AVEVA NET it provides the platform for us to offer a completely integrated material management and construction planning solution to the plant industries, and will offer a unique value proposition to this market."

Grimur Lund, CEO of Logimatics, who joins AVEVA to lead the Enterprise Solutions Delivery organisation said: "We are delighted to share our future with an industry leader such as AVEVA. We have many of the same customers and have often worked closely together in the past, which will greatly simplify the logistics of the acquisition. During our initial discussions I was very sensitive to the impact on existing MARS customers, but I am extremely confident that they will only benefit from the new structure. The MARS products are absolutely key to our long-term strategy, ensuring on-going support and a well-funded commitment to future product development as part of AVEVA's proven track record of Continual Progression. This is a very exciting opportunity for our customers, staff and the market."

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AVEVA Acquires World-Class Operations Integrity Management Solution

3 June 2010

[AVEVA](#) announced the acquisition of all assets relating to the Oil & Gas business of ADB Systemer AS. This strategic acquisition will expand the AVEVA NET enterprise solution while bringing Operations Integrity Management to owner operators in the Oil and Gas industry.

The ADB Oil & Gas business consists of a team of experienced industry professionals that have been providing plant operators with comprehensive Integrity Management solutions for more than 20 years.

The acquisition includes the WorkMate product suite, which complements and extends the current information management capabilities of AVEVA NET. The WorkMate suite will be tightly integrated with AVEVA NET to provide owner operators with an Operations Integrity Management solution that supports the entire lifecycle of their Plant assets.

As part of AVEVA's Enterprise Solutions group, the ADB Oil & Gas business, based in Stavanger, Norway, will form the centre of excellence for AVEVA's Operations Integrity Management solutions. This new arm of the AVEVA Enterprise Solutions group will include a team of skilled industry professionals supporting AVEVA globally.

Commenting on the acquisition, Richard Longdon, Chief Executive said, "This strategic acquisition builds on an already successful partnership with ADB Systemer AS and is the obvious next step. AVEVA's investment brings together world-class technologies and provides us with the opportunity to further extend the value we bring to our plant operations customers through a comprehensive, integrated solution for the operation and management of their assets."

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Jan Edvin Pedersen, Director of ADB Systemer AS said: "We are delighted to share our future with an industry leader such as AVEVA. Our combined solutions will provide our customers with unparalleled capability in terms of product offering and business value supported through an experienced team of industry professionals."

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CIMdata News

CAM Software Market Leaders Named by CIMdata

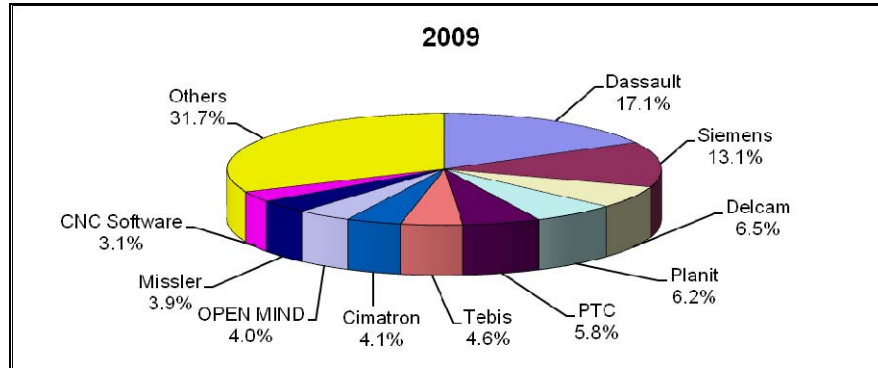
1 June 2010

In the recently-released Version 19 of the [NC Software and Related Services Market Assessment Report](#), consulting and research firm CIMdata, Inc. named the worldwide CAM software market leaders for 2009 and projected those expected to be market leaders in 2010. For 2009, Dassault Systèmes was the market leader on the basis of both direct vendor revenues received and end-user payments for CAM software and services, Delcam was the leader in terms of industrial seats shipped. Planit Holdings was the leader on the basis of industrial seats installed. Siemens PLM Software's NX was the leader in industrial seats shipped by brand and CNC Software's Mastercam was the leader in both industrial and educational seats installed by brand name. OPEN MIND Technologies was named as the most rapidly-growing vendor, although their revenue growth rate was only 1.6%.

Mr. Alan Christman, CIMdata Chairman and primary author of the report noted that, "Even though there have been a number of recent mergers and acquisitions, the CAM software market continues to be highly-fragmented and competitive. There is no single vendor or small group of vendors that dominate the worldwide market, and this is illustrated by the number of different market leaders depending on the ranking category." CIMdata tracks approximately 50 CAM software vendors and the rankings in the report list 15-30 vendors depending upon the category. 2009 was a difficult year for the CAM software market as the estimated overall market size declined by 13.1%, from \$1.425 billion to \$1.239 billion. However, CIMdata projects that the overall market will rebound in 2010 by 8.7% to a level of \$1.347 billion.

The 2009 leading vendors on the basis of CAM software and services direct revenue received were Dassault Systèmes, Siemens PLM Software, Delcam, Planit Holdings, PTC, Tebis, Cimatron, OPEN MIND Technologies, Missler Software, and CNC Software. Dassault Systèmes and Siemens PLM Software were the clear market leaders with double-digit market shares and a combined market share of 30.2%. Delcam was listed as the largest specialty supplier. The remaining eight vendors in the top ten had a combined market share of 38.1% and the remainder of the vendors below the top ten had a combined market share of 31.7%. This data is shown in the following chart.

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2009 Marketshare of the Largest NC Vendors at the Vendor Level

The top five worldwide leaders in 2009 on the basis of end-user payments were identical to those shown above for revenue received, i.e. Dassault Systèmes, Siemens PLM Software, Delcam, Planit Holdings, and PTC. However, there were differences in the grouping of the second five. The second five positions on the basis of end-user payments were held by CNC Software, OPEN MIND Technologies, Cimatron, Tebis, and DP Technology. The changes typically reflect a greater use of resellers as compared to direct sales.

The estimated worldwide 2009 top five vendors on the basis of CAM industrial seats shipped were Delcam, Planit Holdings, Siemens PLM Software, CNC Software, and Dassault Systems. The seat count rankings are significantly different than the vendor revenue rankings. The 2009 rankings on the basis of industrial seats shipped by brand were Siemens' PLM Software NX, CNC Software's Mastercam, Dassault Systèmes' CATIA, PTC's Pro/E, and Planit Holdings' EDGE CAM. The changes in rankings are primarily due to the differences in level and breadth of product and associated software pricing among the vendors.

The worldwide five most rapidly-growing CAM software vendors on the basis of revenue received in 2009 as compared to 2008, were OPEN MIND Technologies, CG Tech, Delcam, DP Technology, and Dassault Systems. However, OPEN MIND Technologies was the only vendor to achieve positive growth as all other suppliers were either flat in revenues or experienced a decline in revenues. CIMdata is projecting that the five most rapidly-growing companies in 2010 will be C&G Systems as a result of a merger of Graphic Products Japan and Computer Engineering Inc., SolidCAM, Geometric Tech, DP Technology and OPEN MIND Technologies. It can be noted that OPEN MIND Technologies and DP Technology are the only two companies expected to be among the top five most rapidly-growing companies in both years.

Other vendor rankings contained in Version 19 of the NC Market Assessment Report include those for the educational market, those based on revenue by geography and industry, those for verification and post-processing vendors, the total number of people in a company, product development, direct sales, and the number of resellers per company. Version 19 of the NC Software and Services Market Assessment Report is available for purchase by contacting CIMdata at +1 (734) 668-9922 or by emailing info@cimdata.com.

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Company News

CAD Gorilla Becomes an Autodesk Authorized Developer

2 June 2010

CAD Gorilla announced that it has been accepted as an Autodesk Authorized Developer, and is now an official member of the Autodesk Developer Network (ADN). CAD Gorilla provides video based training and tutorials for Autodesk Inventor and Autodesk Revit software, which can be purchased direct, or from a growing number of Autodesk resellers worldwide.

CAD Gorilla's introductory product, "Inventor for Beginners", includes two hours of interactive video training designed by professional instructors, plus downloadable exercise files, and assessment exams that support the user throughout each step in their learning path.

About CAD Gorilla

CAD Gorilla is a San Diego based company focused on the development and distribution of video based training for Autodesk software. For more information, visit <http://www.cadgorilla.com> or call +1-858-876-4360.

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Completion of the EC funded PreCarBi project for the simulation of Liquid Resin Infusion of New Composite Materials

3 June 2010

The PreCarBi European Research Consortium, initiated by [ESI](#) three years ago, has involved eleven partners from nine countries, and had the main objective to develop a new generation of bindered composite materials and associated simulation tools, specifically dedicated to high performance applications in the Aerospace industry.

Background

Today, manufacturers of advanced composites use either layers of pre-impregnated plies (prepreg) to form a laminate, or resin infusion of dry textiles (Liquid Composite Molding or LCM). Generally, prepreg composites have superior stiffness, strength and fatigue resistance due to toughened resins and high fiber content, which are well dispersed in an organized fabric architecture. However, this type of materials suffers from high costs, limited shapeability, complex, expensive and time-consuming manufacturing, and limited shelf life. While LCM technologies can overcome these drawbacks, LCM relies on low viscosity resins for infusion and suffers from fiber misalignments due to textile patterns, both leading to poorer mechanical performance intolerable for many structural aircraft applications. This is why and where the PreCarBi project intervened to improve composite materials for LCM.

Project objectives

The scientific aim of PreCarBi consortium was to develop new binder composite materials that allow pre-form designs to be manufactured and shaped under high temperature; or local tow reinforcement to be added under high temperature. This resulting research is considered an important contribution for advanced Liquid Resin Infusion (LRI) technologies to compete with expensive and complex pre-preg composite technologies.

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[ESI GmbH](#) was coordinator of this consortium. In addition, [ESI](#)'s major contribution to the project was forming, infusion and mechanical analysis of industrial aerospace applications manufacturing with the LRI technology.

Description of the work

The PreCarBi project took into account three principal materials:

New composite materials for bindered carbon yarns, developed by Tenax, in an iterative process to achieve the required performance;

Compatible resins, developed by Huntsman;

Converted new binder yarn composites into industrial preforms (Woven or Non-crimp Fabric) produced by Sigmatec and Airbus Operations GmbH.

Additional extensive materials characterization and testing work was performed by further research partners to assess and quantify improvements as the new materials were becoming available.

From these efforts, ESI was then able to adapt [PAM-QUIKFORM](#) and [PAM-RTM](#), simulation solutions for thermoforming and manufacturing of plastics and composites, to the industrial simulation of draping and LRI of binder yarn composites. Consequently, within the latter half of the project, industrial partners tested the new materials by applying them to selected industrial problems which are traditionally manufactured using only prepreg technologies. At this stage, a close collaboration between ESI and the industrial partners took place to help with numerical design and validate the industrial structures. Finally, the University of Patras worked on the development of cost analysis tools to help quantify the cost reductions over prepreg manufacturing.

Overall, the research consortium, coordinated by ESI GmbH, included two aircraft manufacturers: Airbus and Eurocopter; a tier one supplier: FACC; three materials manufacturers: Toho Tenax Europe, Sigmatec and Huntsman Advanced Materials (Switzerland) GmbH; a digital simulation software supplier: ESI Group; and four universities and research institutes: Cranfield University, IPM Latvia, University of Patras and SICOMP.

Different draping and injection strategies were finally tested on three industrial demonstrator parts using the new materials and the LCM manufacturing feasibility analyzed during the research project.

“Composites have become the material of choice for many advanced aircraft structural applications, but research is still required to identify more cost effective manufacturing and simulation tools to optimize their manufacturing and design,” **said Dr. Anthony Pickett**, Scientific Director at ESI GmbH. “The PreCarBi project has made a significant contribution to a new binder composite that will have a significant impact on the composite manufacturing industry and the aircraft manufacturing industry as a whole.”

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Logica Announces UK Winner of its Global Innovation Venture Partner Programme

2 June 2010

Logica announced that AVEVA is the UK winner of its 2010 Global Innovation Venture Partner (GIVP) Programme. As winner, AVEVA will work with Logica to further develop its AVEVA NET solution, a technology which automatically manages and links information from many different sources and

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formats, including 2D, 3D, documents and enterprise data through a single knowledge management interface. It will also partner with Logica in a specific go to market strategy. The GIVP programme attracted more than 50 applicants across the U.K.

Logica and AVEVA will develop and bring to market an innovative proposition for knowledge management targeted at organisations with large physical assets including oil & gas, offshore, utilities, airports, and the marine industry. Additionally, both organisations see an opportunity to collaborate to use AVEVA NET for new markets and to visualise knowledge management for non-physical assets such as case files and education records. The AVEVA NET solution also enables complex engineering projects and operational lifecycle management, to be carried out efficiently in a collaborative environment that delivers consistent and accurate information.

Commenting on the win, Danny Wootton, Logica UK's innovation director and a member of the CBI's Innovation Science and Technology steering committee, said: "The Logica management team felt that the synergy of the AVEVA solution and Logica's expertise in knowledge management implementations made a perfect fit. AVEVA is a great example of Logica's beliefs around how organisations can encourage collaboration in order to nurture and develop the most innovative ideas. We both see a great opportunity to collaborate to use AVEVA NET for new markets and to visualise knowledge management for non-physical assets."

Danny continued: "While innovation has become a buzzword across various sectors, we believe that it is not a phenomenon that merely happens by accident, but rather something that can be fostered within businesses when the right collaborative structures are put in place. We look forward to working with AVEVA over the coming months and years."

The GIVP Programme was run across nine countries - UK, Sweden, Denmark, Finland, France, Netherlands, Portugal, USA and India. The programme launched initially in 2008 is part of Logica's client intimacy strategy that revolves around collaborative innovation and partnership for the benefit of clients. The GIVP programme aims to bring new technology and business solutions to market and to recognise the essential role that these companies play in driving real IT innovation and customer satisfaction to clients.

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Mentor Graphics Receives Supply Support Award from Huawei Technologies for Achievements Related to Veloce Emulation Products

4 June 2010

Mentor Graphics Corp. announced that Huawei Technologies, a leader in providing next-generation telecommunications network solutions for operators around the world, presented their Supply Support Award for EDA in 2009 to Mentor Graphics, for its support achievements related to the Veloce® emulation products.

The award from Huawei acknowledges [Mentor](#) for its outstanding contribution in supplying products that deliver solutions to address those critical challenges faced by Huawei in the verification of their latest-generation wireless communication and multimedia Systems-on-Chip (SoC) designs. Huawei also acknowledged the dedication of Mentor's emulation support and research and development (R&D) teams.

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Spring Technologies Pursues its International Development with a New US Subsidiary

3 May 2010

Key information:

- SPRING opens its 4th international subsidiary in the USA
- First contract signed with Messier-Dowty and Hutchinson
- 3-year goal to generate 30% of revenue from international business

SPRING Technologies, a major player on the PLM and Digital Workshop markets, announced the opening of a new US subsidiary in Boston (Massachusetts). The inauguration follows successful ventures into Switzerland (2005), Germany (2007) and China (2008). The French software vendor will be using the American bridgehead to promote its Digital Workshop suite featuring NCSIMUL, its flagship machining simulation package. The drive will be supported by a local engineering team and a dealer network.

Gilles Battier, CEO, SPRING Technologies, gives his viewpoint:

“Our recent successes in Europe and the Far East have proved that our solutions are delivering better and better performance and are closely geared to the functional needs of our customers in a wide range of industries. This has given us the belief to go out there and take on our main rival in machining simulation in their own back yard. Our Digital Workshop offering has gained recognition on the markets where we are already well established, so it is now down to us to make our mark and raise our profile on a challenging new territory. Our first three foreign ventures have been very successful, so we have no reason to think that the outcome will be any different here.

To give an idea of how strongly SPRING Technologies has developed worldwide, our figures show that the 2 million euros we generated from international business in 2009 accounted for 15% of the year’s revenue. Our 3-year goal is to double this percentage.

In February 2010, we signed our first contract on the American continent with Messier-Dowty in Mexico, followed by deals with Areva and Hutchinson in the US. This is a clear sign to us that the American Digital Workshop market is ready to embrace innovative technology. It’s our job to grasp the opportunity.”

Olivier BELLATON, General Manager, SPRING Technologies, gives his viewpoint: “The US market is of course very attractive, but we have also looked very hard at what American manufacturers want to get from machining simulation. Today they can choose between entry-level solutions from the CAM vendors and the market leader, VERICUT, which enjoys a near monopoly. However VERICUT is an ageing technology that goes back over 20 years and has some deep-rooted technical shortcomings. Machine tools are increasingly sophisticated and the need to perfectly emulate complex ISO programs and view the complete machine tool environment quickly and dynamically in 3D is becoming a critical industry requirement. NCSIMUL will bring American manufacturers these benefits, backed by efficient local customer support from a dedicated engineering team.”

What is NCSIMUL?

NCSIMUL verifies NC milling, drilling, turning, mill/turn and robot machining operations to detect errors without doing a manual prove-out. It also optimizes NC programs in order to produce more efficient tool paths that save time, produce higher quality surface finishes and increase tool life.

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NCSIMUL simulates multi-axis operations and supports all G-code data. Using a CAM interface, you can launch NCSIMUL from within any CAM software. The interface automatically transfers setup information including tools, toolpaths, and stock location to NCSIMUL in their proper orientation.

NCSIMUL is used by Fortune 500 Companies such as AIRBUS, AREVA, CANON, EUROCOPTER, HONDA, PANASONIC, SNECMA, TOYOTA, ...

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Synopsys Press Publishes The Ten Commandments for Effective Standards

3 June 2010

Synopsys, Inc., under the imprint of Synopsys Press, has published *The Ten Commandments for Effective Standards*. The book, authored by Karen Bartleson, senior director of community marketing at Synopsys, shares the author's 20 years of real-world experience in the electronic design automation (EDA) industry working with colleagues, competitors and standards organizations to bring about standards such as SystemVerilog, Liberty and UPF. The text includes concepts to help participants understand the climate in which technical standards are created, and it offers ways to improve the standardization process.

The Ten Commandments for Effective Standards is based on posts from Bartleson's blog, "The Standards Game," <http://www.synopsys.com/blogs/thestandardsgame>. The topics and posts provided a starting point, with comments from readers incorporated in the book. Thirty individuals in the field of high technology provided peer reviews of the text. One such reviewer, Jan Rabaey, Donald O. Pederson Distinguished Professor, Electrical Engineering and Computer Science, University of California at Berkeley, said "It is a safe bet that each of you picking up this book at some point in your life must have been confronted by what you consider a 'good' or a 'bad' standard. We all agree that standards are an essential component of making diverse things (or people) interact harmoniously and, if done well, can accelerate development in a certain field and lead to better outcomes for all. In contrast, ill-conceived standards most often lead to stagnation, fragmentation, and ultimately inferior results."

Rabaey continued, "I truly wish that anyone involved in the creation of standards in any field reads Karen's book very carefully. Based on her experience in the field of electronic design automation, Karen has synthesized a clear and transparent set of guidelines on what it takes to create 'good standards.' I couldn't agree more with her insights. My only wish is that the book should have been available many years earlier. It would have avoided a lot of wasted time and misguided efforts."

Real world examples from the EDA industry and other technology industries illustrate how each commandment has been applied - or not - for creating effective standards. The concepts presented in *The Ten Commandments for Effective Standards* are applicable not only in the EDA industry, but also in countless technical standards efforts with the goal of producing effective standards. A touch of humor is provided by cartoons from Rick Jamison, social media strategist at Synopsys.

"Karen provides a much-needed analysis of and invaluable lessons learned in the process of birthing technical standards," said David Peterman, Wireless EDA at Texas Instruments. "This work provides a clear guide for overcoming the serious pitfalls that have plagued standardization efforts in the past. Karen's practical Ten Commandments are based on time-tested real-world experience and should be mandatory reading for anyone collaborating with multiple suppliers seeking to bring them together to cooperate on any kind of a standard. Karen has eloquently blended together historical case studies with recent technical standardization experiences that not only generally educate the reader, but also provide

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very specific practical guidance regarding avoiding the legal and ethical challenges that can seriously harm corporate intellectual property positions and/or significantly slow valuable industry standardization efforts. No question that future standards, especially future EDA standards, will be more likely to become reality after careful study of this book."

The Ten Commandments for Effective Standards represents the first volume in the recently introduced Synopsys Press Business Series, but it is not the first publication produced by Synopsys. Over the past 15 years, Synopsys has written and produced technical publications such as the Reuse Methodology Manual [Springer], the Verification Methodology Manual [Springer], the Verification Methodology Manual for Low Power [Synopsys Press], and the Low Power Methodology Manual [Springer]. Because standards and interoperability can have a sizable impact on an industry and its consumers, the topic of technical standardization is an ideal topic to initiate the Business Series of Synopsys Press. The Ten Commandments for Effective Standards is available for a retail price of \$29.95 hardcover, \$19.95 softcover and \$14.95 eBook through bookstores and online, including through Happy About and Amazon.com. For more information about the book, visit

<http://www.synopsys.com/Company/SynopsysPress/TenCommandments/>

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Think3 Announces its New Software Partner Program

31 May 2010

[think3, Inc.](#) announced its WW (Worldwide) Software Partner Program for Software editors and developers Worldwide. The program is announced globally and is open to all who are interested in doing business with think3 and its Customer base. With this announcement think3 welcomes Software Editors and developers to join us and be a part of the growing business. Think3 looks forward to strengthen its relationship with its Software Partners and penetrate in the international market to offer new and certified software solutions to its customers. We are happy to have with us today already primary players like CADENAS, SEAC02, ANSYS, KISSsoft, NEI, Oracle, 3D Connexion, Microsoft, INorming, ProSolvvia-Tech as our software partners and open to add up new and many..

The software partner program will offer our customers complimentary products, i.e. our existing wide range of product line plus add on products like FEA, CAM, CAE, Visualization Software and more. With this collaboration we shall be offering to our customers the complete product development tools. Think3 believes in organic growth and not by acquisitions, hence we are open for collaborations with system integrators and to reach the market together with the complete packaged product. ThinkDesign runs on unique technology and proprietary kernel. ThinkDesign suite of products provides the complete PDP Solutions.

ThinkDesign is the product design software developed by think3 on its proprietary kernel 'thinkcore'. Think3 has developed technology GSM (Global Shale Modeling) that helps reduce the product design time significantly by more than 50% whilst improving the design efficiency. With think3's GSM, the stylist or engineer can make changes to surfaces and visualize new configurations in a matter of minutes as opposed to an order of magnitude longer taken by using conventional technologies. Companies around the world including global leaders in automotive (ex. BMW), general engineering, FMCG and white goods have experienced the power and flexibility offered by ThinkDesign. Thinkdesign also offers it's subset & complementing technologies known as Zone Modeling, ISM (Interactive Solid Modeling) Target Driven Designs, Hybrid Modeling and smart objects to even improve the design process...And of

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course all the necessary & advanced features of Solid Modeling, Surface modelling, Assembly, Sheet Metal, Animation, Rendering, Drafting etc. are all available with improvements viz-a-viz products available in industry.

“We are inviting Software editors and developers to join us to avail the excellent opportunity of the Software Partner program today.” states Mr. Silvano Joly- Executive VP think3. He further adds “we value our partners and believe that they play a key role in establishing business for think3. We look forward to consolidate our presence in the CAD/PLM market focusing on our core technology and on each space while offering a wide and certified range of Add On modules and Complementary Solutions both for the CAD and PLM to our target segment”.

Join today take advantage of this opportunity of being a partner with think3, the benefits you derive out of this partnership would be wider coverage, brand visibility among their customers and prospects, your logo and visibility on our website and joint business opportunities by exchange of leads, Demos Systems, Full Fledge Training, Aggressive Pricing and more... To register kindly send your detailed portfolio with technical specifications of your product line and how you could partner to benefit their end users. Please follow the [link](#) or visit us at www.think3.com and contact your nearest think3 office.

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VISTAGY Appoints Bruce Boes as Vice President of Product Management & Marketing

3 June 2010

VISTAGY, Inc. announced the appointment of Bruce Boes as vice president of product management and marketing. Mr. Boes will be responsible for coordinating product management and developing strategy, positioning and messaging for VISTAGY’s target markets as well as working with the company’s industry-leading partners. His appointment demonstrates VISTAGY’s commitment to building on the momentum it generated in the first quarter of 2010 so it can strengthen its leadership in the aerospace, wind energy, automotive, and transportation interiors industries.

Mr. Boes possesses extensive experience in product management and marketing as well as business development for CAD/CAE and engineering software. He previously served as vice president of Velocity Series global marketing and strategy at Siemens PLM Software, where he directed the go to market strategy for the mid-market PLM portfolio. Prior to Siemens, Mr. Boes was vice president of business strategy at SensAble Technologies, a high technology start-up focused on the industrial design marketplace. He has also held executive positions in sales, marketing, business development and customer service for DH Brown Associates and long-time CAD giants Matra Datavision and Computervision.

“[FiberSIM](#)[®], [SyncroFIT](#)[®], [AeroSuite](#)[™] and [Seat Design Environment](#)[™] are rapidly gaining traction as companies strive to design and manufacture better performing products with fewer resources and more efficient business processes,” said Steve Luby, president and CEO of VISTAGY. “Bruce’s demonstrated leadership and expertise in product management and marketing strategy will enable us to take the critical next steps in developing our product portfolio and expanding our footprint in our target markets.”

“I am pleased to join VISTAGY because it is a vibrant and innovative company that is well-positioned to take advantage of compelling opportunities in its target markets, such as advanced composite materials,” said Mr. Boes. “VISTAGY has the people, the products and the expertise to help manufacturers solve their most difficult design-to-manufacturing challenges, and I am looking forward

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to working with the team to determine how to deliver best-in-class solutions that dramatically improve the performance and cost of producing many of the world's most complex, highly-engineered products.”

Mr. Boes earned his MBA with a concentration in management and finance from Rensselaer Polytechnic Institute. He also attended the Rochester Institute of Technology where he received his bachelor's degree in business administration.

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ZWSOFT Appoints Techiesoft as the Exclusive Partner in UAE

2 June 2010

ZWSOFT appointed Techiesoft Fz LLC, a technology driven company in United Arab Emirates focusing on ZWCAD reselling, CAD service and high-end consulting, as ZWCAD Exclusive Partner in UAE to manage the local sales channels and improve ZWCAD brand & reputation.

“ZWCAD software, as an exquisite CAD solution, is capable for 2D/3D design & drafting industry, including architecture, engineering, construction (AEC), mechanics, electronics and so on. We place high expectations on our cooperation with ZWSOFT.” Said C. J. Ajayakumar, Director of Techiesoft Fz LLC.

ZWSOFT stepped into Middle East market in 2005. Up to now, we have strong sales & service channels in UAE, Egypt, Saudi Arabia, Qatar as well as Israel. Our customer base includes the big players in architecture, engineering as well as construction industries.

Techiesoft Fz LLC has partnered with ZWSOFT since 2007. With its expertise in providing A-class customer service and knowledge of ZWCAD program, Techiesoft will continue to introduce the powerful, cost-effective and high-end CAD solution to local customers.

To enable CAD users in UAE to experience ZWCAD 2010, two ZWCAD seminars were held in Dubai and Abu Dhabi on May 31st and June 2nd respectively, and welcomed by many CAD users from UAE.

For ZWCAD local support in UAE, please contact Techiesoft website www.techiesoft.com

For latest technology of ZWCAD, please visit www.zwcad.org.

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Events News

CGTech to Show Latest Release of VERICUT at IMTS

3 June 2010

CGTech will exhibit version 7 of VERICUT CNC machine simulation and optimization software at the International Manufacturing Technology Show:

IMTS Booth E-3846 Chicago, IL September 13-18, 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

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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 standalone, but can also be integrated with leading CAM systems such as Catia V5, NX, Pro/E, MasterCAM, EdgeCAM, PowerMill, 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 be demonstrating VERICUT Composite Applications at IMTS. VERICUT Composite Applications are machine-independent off-line programming and simulation software solutions for automated composite tape and fiber-placement CNC machines. There are two separate applications: VERICUT Composite Programming (VCP) & VERICUT Composite Simulation (VCS).

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Delcam to Launch New Feature-Based CAM at IMTS

2 June 2010

[Delcam](#) will launch the 2011 version of its FeatureCAM feature-based CAM system at the IMTS exhibition to be held in Chicago from 13th to 17th September. The new release will incorporate a more modern interface, support for 64-bit computers, improved data exchange from a wider range of design software, and new strategies across the complete program, from turning to five-axis machining.

The large number of improvements reflects the increased investment in development of the software since its acquisition by Delcam in 2005. FeatureCAM has also benefited from Delcam's large investment in areas like data exchange and post-processing that can be applied across the company's complete family of CAM software.

The most obvious change for existing users will be the new-look interface. This incorporates a more modern style of icon throughout the system, with images that more clearly illustrate the various options. They make the software even easier for new users to learn and for casual operators to use. Users of other Delcam software, such as PowerSHAPE or PowerMILL, will gain the greatest benefit as many of the new icons have been duplicated from those programs.

FeatureCAM 2011 will be the first version to support 64-bit hardware. 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. User productivity has been further improved by extending the use of the latest multi-threading technologies available in recent hardware. In addition, improved memory management within the software will give faster calculation times, with the greatest benefits again coming when programming larger or more complex components.

The improved data exchange has been achieved by enabling Delcam's Exchange software to be used as an additional import mechanism so that all the formats supported by Exchange can be imported into

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FeatureCAM. These include direct translations from systems such as CATIA V5, Siemens NX and Solid Edge, Pro/Engineer, AutoCAD Inventor, SolidWorks and Rhino, as well as support for standard formats like Parasolid, ACIS, IGES and STEP.

The main enhancement for turning is the addition of a new style of finishing that uses separate passes to cut the faces and the diameters of the component. This approach gives a better surface finish, improved tool life and more efficient clearance of the chips generated during the first pass over the part.

Fully-automated de-burring and chamfering is now available when programming 2- or 2.5-axis parts. The ability to incorporate chamfers, even when they were not shown in the original CAD model, was added in FeatureCAM 2010. The automation of this option will allow faster programming of these finishing operations.

Another 2-axis enhancement is the ability to machine parts larger than the travel of the machine tool. If the machine has a table that can index around the Z axis, FeatureCAM can divide the component into pieces and generate the required series of machining operations.

Finish machining of flat areas has been made more efficient with improved detection of these surfaces. FeatureCAM will then automatically add the appropriate extra Z-level into the toolpath to give accurate finishing. This option will be most beneficial when machining a series of pockets with flat bottoms at different heights.

Over recent releases, the milling capabilities within FeatureCAM have been enhanced greatly through the incorporation of strategies from Delcam's PowerMILL system for high-speed and five-axis machining. This has continued in the 2011 version with the incorporation of Delcam's patented Race Line Machining strategy into FeatureCAM. With this approach to offset machining, the roughing passes are smoothed out progressively as the toolpaths move further from the main form.

The overall result is a much smoother toolpath that allows the cutter to be used at its optimum feed rate for a much larger percentage of the job. At the same time, the elimination of sudden changes of direction reduces the rapid variations in loading that can lead to cutter breakages and damage to critical machine tool components, including the spindle. In many cases, the total length of the toolpath will also be significantly reduced, with the consequent reductions in machining times and cutter wear.

On the five-axis strategies, more options have been added to the collision avoidance functionality. These will give the user more control over the movements chosen by the software to avoid potential problems and so will help to reduce sudden changes in direction.

The 2011 release also includes improvements in the more fundamental process of five-axis drilling, with new options to program and edit five-axis hole creation, even when the items are supplied as simple circles in space rather than fully-defined solids.

Users of five-axis equipment will also benefit from improved simulation capabilities. These enhancements will make it even easier to check programs on the computer before they are sent to the machine tool.

Finally, programming of wire EDM has been improved with the ability to work directly from solid models in a similar way to FeatureCAM's milling, turning and drilling options. In addition, a new automatic ordering command will make it easier to combine operations needed to produce different features, while improved control over retract moves will simplify the programming of 4-axis wire EDM equipment.

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Delcam to Launch Polish Subsidiary at MACHTOOL

3 June 2010

[Delcam](#) will formally launch its new subsidiary in Poland, Delcam Polska, at the MACHTOOL exhibition to be held in Poznan from 8th to 11th June. The new subsidiary has been formed to coordinate the activities of Delcam's various resellers in the country, in particular the marketing efforts at MACHTOOL and other Polish events. It will also provide a closer link between Delcam's growing number of customers in the country and the company's Birmingham headquarters.

The new subsidiary will be based in the Polish capital Warsaw. It will be headed by Adam Barycki, who has many years' experience of working with Delcam.

"Our sales in Poland for the opening four months of this year have been more than double the value we achieved at the start of last year," commented Anthony Hall, Delcam's European Business Development Manager. "We have formed the new subsidiary to help us continue, or even increase, this growth in our business."

"We have a number of different resellers that are responsible for the various parts of our business in the country, for example our advanced manufacturing systems, our metrology programs and our artistic CAD/CAM software," explained Mr. Hall. "These organisations have been successful because of their expertise in their particular fields and we expect them to continue to expand their businesses."

"However, with the expansion of our activities in the country, we felt it was now appropriate to have our own subsidiary in Poland. This will improve the coordination between the various resellers and provide a single focal point for our customers, with direct links to the development staff in Birmingham."

The MACHTOOL exhibition will also see the launch of PowerMILL 2010, the first 64-bit version of Delcam's CAM software for high-speed and five-axis machining. 64-bit technology removes the memory limitations of 32-bit computers so giving more efficient toolpath generation, especially when machining large or complex parts. The new release also continues to improve user productivity by extending the use 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.

More than 50 other enhancements have been included in the new release to give faster and easier programming, more efficient toolpaths and better surface quality in the finished parts. These include new strategies for offset roughing, corner clearance, five-axis machining and constant-Z machining, plus more efficient rest roughing, and smoother toolpaths for semi-finishing and finishing.

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Delcam to Show High-Accuracy Dental CAD/CAM in Asia

2 June 2010

[Delcam](#) will show new versions of its DentCAD and DentMILL software for the design and manufacture of dental restorations at two major Asian exhibitions during June. The company will be represented by its Delcam China subsidiary at the Sino-Dental exhibition in Beijing from 9th to 12th June and by its Korean joint venture, Hankook Delcam, at the SIDEX event in Seoul from 25th to 27th

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June.

Delcam believes that its latest programs offer higher levels of consistency and accuracy than other dental CAD/CAM systems. As a result, they can minimise, or even eliminate, manual adjustment of the restoration as it is being fitted, and produce restorations that give improved comfort and that are more durable.

As well as improving accuracy, Delcam has increased the range of restorations that can be designed in DentCAD. The new version offers automated tools for the design of inlays and onlays, and for the creation of dental bars, customised abutments, collars and pressed crowns, in addition to the previous options for copings, crowns and bridge frameworks.

In the new release, extra analysis tools have been added to DentCAD to ensure that the designs can be manufactured efficiently and will perform satisfactorily. For example, undercut shading can be used to identify areas where five-axis machining might be needed so adding to manufacturing costs, while thickness shading will highlight any areas in the design that might be too thin to give a durable restoration or that might chip or crack during manufacture.

Improvements to DentMILL reflect the recent enhancements to Delcam's PowerMILL engineering CAM system on which it is based. These include support for the latest hardware developments, such as 64-bit operation, multi-threading and background processing, that can significantly reduce calculation times.

A number of improvements have been made to give smoother toolpaths, in particular for five-axis machining. These new techniques not only give a more accurate surface finish on the restoration but also protect the cutters and the machine tool by minimising the stresses during machining. In addition, the range of five-axis machining options has been increased with the option to undertake constant-Z undercut machining.

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Geometric to Showcase eDrawings Publisher 7.2 for Pro/ENGINEER at PTC User/World 2010

1 June 2010

[Geometric](#) will demonstrate the latest version of eDrawings® for Pro/ENGINEER, at Booth # 307 at the PTC User/World Event 2010, to be held at Rosen Shingle Creek Hotel, Orlando, FL, USA from June 6-9, 2010.

Major enhancements in this release include: Support for Bill of Materials: Bill of Materials information can now be exported to eDrawings eDrawings Viewer: eDrawings Viewer version has been upgraded to eDrawings 2010 SP3 In place features, surfaces and curves in parts and assemblies can now be measured in eDrawings

“eDrawings for Pro/ENGINEER is one of the most popular design review and collaboration tool available on Pro/ENGINEER. Version 7.2 provides support for two of the most requested features by our customers, and we look forward to demonstrating these at PTC World”, said Siddhartha Oza, Product Manager of eDrawings Publishers.

For a free 15-day trial, please visit <http://edrawings.geometricglobal.com>. For pricing and purchase options please contact ed.sales@geometricglobal.com

About eDrawings

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eDrawings is the first email enabled collaboration tool designed to ease the sharing and interpretation of 2D and 3D product design data. eDrawings Publishers are available on Pro/ENGINEER®, CATIA V5®, NX®, Autodesk Inventor®, SolidEdge®, Google SketchUp®, as well as for STEP/IGES/STL and DWG/DXF file formats.

With eDrawings Publishers the user can:

- Generate ultra compact eDrawings (up to 95% compressed) for sharing over email.
- Share and receive feedback on product designs with review-enabled eDrawings and collaborate with unlimited number of recipients.
- Manage, track, and merge comments from different team members.
- Measure part, assembly and drawing geometry. Dynamic Cross Sectioning and Hide/Show/Move components for understanding assembly structure.
- Visualize drawings effectively with 3D Data, Layouts and 3D Pointer tool.
- Insert Stamps, Password Protect and Disable Measurement for protecting sensitive design data.

Please visit <http://edrawings.geometricglobal.com> to learn more.

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GibbsCAM to be Demonstrated at Haas Demo Days

2 June 2010

Gibbs and Associates, developer of GibbsCAM® software for programming CNC machine tools and a Cimatron company, announced that GibbsCAM will be demonstrated as part of Haas Automation's annual Demo Days held June 9th at numerous Haas Factory Outlets (HFOs) throughout the United States including:

- Birmingham, AL | Barber Motorsports Museum
- Little Rock, AR | HFO Little Rock
- Tempe, AZ | Ellison Machinery
- Torrance, CA | HFO Torrance
- Union City, CA | Selway Machine Tool Company
- Denver, CO | Moncktons Machine Tools Inc.
- Windsor, CT | HFO Trident
- Meridian, ID | King Machine, Inc.
- Chicago, IL | HFO Chicago
- Indianapolis, IN | HFO Midwest
- Kansas City, KS | HFO Kansas City
- Colfax, NC | HFO Greensboro

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- Fairport, NY | HFO Rochester
- Broken Arrow, OK | Timco Machine Tools, Inc.
- Nashville, TN | HFO Nashville
- Austin, TX | Champions Machine Tool
- Houston, TX | Champions Machine Tool
- Brookfield, WI | Gosiger, Inc.

“I’ve known Haas since before they made CNC machines,” said Bill Gibbs, Gibbs and Associates company founder and president. “Gibbs has been supporting Haas customers, and Haas corporate as a customer, ever since. It’s rather amazing what Haas has grown into today, simply the leading manufacturer of CNC machines in the world. We at Gibbs are proud to maintain our support of Haas by participating in their Demo Days events.”

The one-day Demo Days events will feature the latest affordable, super-high-production CNC machines from Haas, including the redesigned VMCs and new ST-series turning centers, with live demonstrations on every machine in the HFO showrooms. Live demonstrations of GibbsCAM 2010 will be showcased, showing how easily it creates efficient CNC programs for Haas machine tools. The GibbsCAM Advanced 3D High Speed Machining (HSM) and 5-Axis modules will be featured, together with post-processors that support all Haas machine tools. Additional GibbsCAM modules will be demonstrated, including GibbsCAM TMS (Tombstone Management System), which was originally developed to support Haas’ internal tombstone programming needs with an efficient layout and programming method for tombstone-fixtured parts.

The Advanced 3D HSM module comprises multiple machining methods specifically developed for multi-surface hard milling and high speed machining in SolidSurfacer®. This feature provides high quality surface finishes that reduce or eliminate the need for polishing. The various machining styles are useful for multiple applications and offer smooth entries, exits and cutting motions, with steep or shallow angle limits, rest machining, tool-holder collision checking, and options for changing cutting style. These styles include Contour, Constant Step Over Cut, Flats Cut, Lace Cut, Intersections, Automatic Core Detection, and enhanced Pocketing routines.

The GibbsCAM 5-axis Module provides multi-surface 5-axis roughing and finishing; multi-surface, 5-axis, flow-line machining; surface edge 5-axis swarf cutting (typically for trimming vacuum-formed parts); adaptable interface, based upon part-type strategy, which shows only what is needed; advanced gouge checking to ensure safe cuts even in most complex operations; complete control of entry, exit, cut-to-cut and between-cut motion; 5-axis depth cuts machining; and integration with the GibbsCAM Machine Simulation module for complete toolpath verification and simulation of all of the machine’s moving components.

For more information about GibbsCAM and GibbsCAM participation at the Haas Demo Days, or to locate your local GibbsCAM reseller, go to <http://www.GibbsCAM.com>, call 1-800-654-9399, or email info@GibbsCAM.com

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Management Day at 47th DAC: Decision-Making at the Intersection of Business and Technology

3 June 2010

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Management Day comprises three sessions. The first two sessions will feature presentations by senior managers from companies designing today's most complex nanometer ICs, who will discuss the latest and emerging solutions along with their economic impact. The third session will be a panel involving the presenters and the audience in an open brainstorming discussion.

DAC 2010 will be held at the Anaheim Convention Center, in Anaheim, CA, from June 13th -18th, 2010. Management Day, sponsored by Cadence Design Systems, Inc., takes place from 10:30 AM until 6:00 PM on Tuesday, June 15, 2010. [Management Day](#) details are available at www.dac.com Highlights include:

- Presentations by AMCC, PMC-Sierra, Texas Instruments on "Decision-making for Complex ICs," from 10:30am until 12:00pm
- Presentations by managers from CSR, Intel, LSI Logic, and Qualcomm Semiconductors on "Trade-offs and Choices for Emerging SoCs," from 2:00om until 4:00pm
- A panel on "Making Critical Decisions for Emerging SoC Development" from 4:30pm until 5:30pm. Chaired by Ron Wilson, Executive Editor of EDN, the panel includes speakers from AMCC, CSR, Intel, LSI Logic, PMC-Sierra, Qualcomm and Texas Instruments.

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NEi Software Announces Webinar Series -- Advancements in Simulation

June 2010

NEi Software announces the launch of its [Advancements in Simulation Webinar Series](#). The complimentary series will focus on recent advancements in software driven product design testing. Engineers will gain insight into how to use the latest [\(FEA\) software innovations](#) to help meet business objectives such as reducing material costs, time to market and field failures

Sessions will be lead by NEi Software FEA experts who provide engineers with [FEA mentoring, training and support](#). The sessions include an overview of advancements in product design analysis followed by composite analysis, nonlinear analysis and analysis optimization. The webinars will include applications of these advancements to a wide range of industries including aerospace, automotive, civil, manufacturing, marine, medical, and offshore petroleum. The company's most recent Nastran release, [NEi Nastran V10](#) will be highlighted during these sessions.

Some of these advancements include:

- Optimizing material costs and weight through micromechanics based composite laminate failure prediction
- Increasing efficiencies of nonlinear and surface contact analyses through the adaptive nonlinear static and transient analysis
- Increasing accuracy of product life analyses with integrated multiaxial fatigue and vibration fatigue
- Increasing productivity through integration with other Nastran solvers enabling greater model portability

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- Reducing design time by using specialized modules such as the NEi Editor to optimize your Nastran input file parameters

Registration is now open. Admission to the webinar sessions is free. Those interested in registering can do so at the following site: [Advancements in Simulation](#).

Session	Description	Date and Time	Register
S1	Product Design Analysis Advancements	Jun 22 at 10AM PT	S1 Registration
S2	Composite Analysis Advancements	Jul 20 at 10AM PT	S2 Registration
S3	Nonlinear Analysis Advancements	Sep 21 at 10AM PT	S3 Registration
S4	Analysis Optimization Advancements	Oct 19 at 10AM PT	S4 Registration

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New at 47th DAC: Embedded/SOC Enablement Day Focused on Embedded Processor-Based SOCs

3 June 2010

For the first time at the [Design Automation Conference \(DAC\)](#) Thursday is not an exhibit day. Instead, as part of DAC's commitment to the design chain ecosystem, Thursday, June 17th, will include three sessions focused on embedded processor-based systems-on-chip (SOCs) and their enablement. The 47th DAC will be held at the Anaheim Convention Center, in Anaheim, CA,

The embedded processor SOC market is being hotly contested as companies vie for their piece of this high-stakes segment of the semiconductor industry. The Embedded/SOC Enablement Day is a day-long track of sessions dedicated to bringing industry stakeholders together in one room to shed light on where SOC design is headed. Integrated circuit (IC) design engineers, embedded systems designers, intellectual property (IP) integrators, FPGA designers, design services companies, investors, foundry reps, and the media will hear from market leaders and network with each other. Presenters will focus on the optimization of embedded and application-domain specific operating systems, system architectures for future SOCs, application-specific architectures based on embedded processors, and technical/business decision-making in this domain.

The Embedded/ SOC Enablement Day Program:

Enabling Tomorrow's Complex SOCs, moderated by Peggy Aycinena of EDA Confidential, runs from 9:00am until 11:00am. In this session, participants from leading SOC enabling sectors such as embedded processors, semiconductor investments, IP and EDA providers will cover the state-of-the-art in enablement solutions for embedded systems and complex SOCs.

Invited Keynote: Gadi Singer - Vice President & General Manager, SOC Enabling Group, Intel-Santa Clara, CA

Presenters:

Sami Issa - Executive Director, Advanced Technology Investment Company (ATIC), Abu Dhabi, UAE

Alex Shubat - President & Chief Executive Officer, Virage Logic, Fremont, CA

John Bruggeman - Chief Marketing Officer, Cadence Design Systems, San Jose, CA

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Trade-Offs and Choices for Embedded Solutions, chaired by Bryon Moyer, Techfocus Media, runs -- from 2:00pm until 4:00pm. Participants will discuss how moving to new embedded SOC solutions can significantly affect the choices of suppliers.

Presenters:

James Ready - Chief Technology Officer, MontaVista Software, Santa Clara, CA

Ivo Bolsens - CTO & Senior Vice President, Xilinx, San Jose, CA

Shauh-Teh Juang - Senior Director, Design & Technology Platform, TSMC, Hsinchu, Taiwan

John Goodenough - Director of Design Technology, ARM, Sheffield, GB

Leveraging a Diverse Design Eco-System for Emerging SOC Development, moderated by Lucio Lanza of Lanza Tech Ventures, runs from 4:30pm until 6:00pm. This session will cover the state of -- the art in enablement solutions for embedded systems and complex SOCs. Such solutions often require tight collaboration between diverse players in this design eco-system.

Presenters:

Naveed Sherwani - President & CEO, Open Silicon, Milpitas, CA

Glenn Perry - General Manager, Embedded Software Division, Mentor Graphics, Portland, OR

Mark Dickenson - VP of Systems Solutions, Altera, United Kingdom

“The new Embedded/SOC Enablement Day provides a unique opportunity to foster discussions that address all aspects of the SOC development ecosystem,” said Yervant Zorian, EDA Industry Chair. “We are grateful to key senior management from all parts of today’s design ecosystem for sharing their perspectives on emerging trends and their visions for the future.”

[The Embedded/SOC Enablement Day program](http://www.dac.com) details can be found at <http://www.dac.com>.

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Panels at 47th DAC of Interest to Both EDA Developers and Design Community

28 May 2010

The 47th Design Automation Conference (DAC) presents a program of nine Technical Panels designed to appeal to both electronic design automation (EDA) developers and the design community. The technical panel program focuses on providing attendees with information on tools, methodologies, and best practices for current and future designs. From Tuesday, June 15th, through Thursday, June 17th, panels will range from the first-ever joint User Track/ Technical Panel session, in which designers and design engineering managers describe challenges faced and overcome “in the trenches,” to sessions that address future challenges in EDA, cloud computing and the electronic vehicle. DAC will be held at the Anaheim Convention Center, in Anaheim, CA, from June 13th - 18th, 2010.

DAC technical panels include:

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- [EDA Challenges and Options: Investing for the Future](#) – With the “great recession” still fresh in our minds, representatives of major EDA stakeholders, including EDAC, SEMATECH, the CEDA Design Technology Council, and academia, come together to forecast the direction in which EDA industry is headed, in the face of unprecedented technological, economic and business challenges.
- [Bridging Pre-silicon Verification and Post-silicon Validation](#) – Experts from industry, academia, and EDA will examine the differences and similarities between the pre-silicon and post-silicon worlds, and explore how the gaps between the two can be bridged.
- [Who Solves the Variability Problem?](#) – With variability increasing on all fronts, this panel will bring diverse views from academia, foundries, and the fabless and IDM communities, to address next-generation solutions to variability. The scope of the panel will go beyond manufacturing and reach into the world of design and architecture solutions.
- [3-D Stacked Die: Now or Future?](#) – Two years ago, the big unceasing question was "Why 3-D?" Today, as we move forward with the concrete implementation of the technology, the questions that are asked now are "When 3-D?" and "How 3-D?" This panel brings together key thought leaders to tell us how they see 3-D integrated circuits shaping up in the coming year(s), and to outline future challenges associated with 3D technologies in practical design.
- [Does IC Design Have a Future in the Clouds?](#) – Cloud computing is all the rage, but precisely what does that mean for the EDA industry? Panelists from inside and outside the industry will discuss the real and perceived hurdles that currently prevent a broad adoption of cloud computing in IC design, and how the industry may overcome those hurdles.
- [What’s Cool for the Future of Ultra Low Power Designs?](#) – An international panel of experts will discuss design methodology challenges in the next generation of ultra-low-power and energy-efficient IC designs, covering EDA roadmapping, low-power standards, and design and verification flows.
- [Designing the Always-connected Car of the Future](#) – In this educational panel, automotive industry experts discuss the challenges being addressed by OEMs, key suppliers, academia, and tool providers to enable turning the always-connected car into reality.
- [Joint User Track/ Panel Session: What Will Make Your Next Design Experience a Much Better One?](#) – A panel of top designers and design engineering managers describe down-to-earth challenges that designers face, and bring their experiences to reflect upon the important question: What needs to change in the design flows and design tools to improve time-to-market and design quality?
- [What Input Language Is the Best Choice for High-level Synthesis \(HLS\)?](#) – As of 2010, over 30 of the world’s top semiconductor/systems companies have adopted HLS, but what have they learned? Advocates of ANSI-C/C++, SystemC, and BSV compare choices to answer the question, “What input-language works best?”

The full technical program schedule, including panel descriptions, can be viewed at <http://www.dac.com>.

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SoftInWay Announces Turbomachinery Training Schedule for July-December 2010

4 June 2010

SoftInWay Inc. has scheduled educational events for the second part of 2010. In response to a growing demand for engineering training, the company continues to add new events to its calendar, including classroom-based courses, online training, seminars and webinars.

SoftInWay's classroom training is dedicated to engineers seeking a comprehensive theoretical background and practical skills of turbomachinery flow path development. The upcoming training courses are as follows:

- Axial Turbine Fundamentals + AxSTREAM Workshop on Turbomachinery Design and Optimization: Sept 20-24, Europe (the exact location will be determined later).
- Axial Compressor Fundamentals + AxSTREAM Workshop on Turbomachinery Design and Optimization: Oct 18-22, Boston, MA, USA
- Steam and Gas Turbine Design: Nov 15-19, Boston, MA, USA

To ensure the availability of turbomachinery education worldwide, SoftInWay offers online training that allows engineers to gain the necessary design knowledge and experience, while saving travel time and costs:

- Axial Turbine: Jul 12-21; Sept 6-16; Oct 25 - Nov 4; Dec 7-16.
- Radial Turbine: Jul 7-14; Sept 7-15; Oct 26 - Nov 3.
- Axial Compressor: Jul 21-30; Sept 27 - Oct 7; Nov 29 - Dec 9.
- Radial Compressor: Jul 19-29; Sept 28 - Oct 6; Nov 23 - Dec 2.

In addition, SoftInWay continues the monthly webinar series, and the next free webinar "Turbomachinery Education with AxSTREAM" will be held on June 22, at 10 a.m. and 4 p.m. EST. "Very interesting and useful. I will be looking to your domestic turbine design courses." – commented David Stapp, Peregrine Consulting, Inc. on one of the recent webinars.

The more detailed information on the training contents, registration and specials is available at <http://www.softinway.com>.

Note: The above schedule is subject to update, please check SoftInWay's website to stay tuned.

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SpaceClaim and Cadventure Explore 3D Digital Design Through UK Seminars and Workshops

3 June 2010

SpaceClaim announced that Company executives will join UK reseller Cadventure to host a series of seminars and workshops. The "Exploring Digital Design" Roadshow begins on June 18 and will make multiple stops throughout the UK, including a kickoff event of morning sessions at Kemble Airfield. Air crews will be simultaneously practicing for the Kemble Airshow.

Attendees will experience design experts demonstrate SpaceClaim 2009+ as it tackles complex tasks,

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such as creating geometries on the fly. PCs will be available for attendees to try SpaceClaim for themselves and experience the software's ease of use, speed and robustness.

Additionally, any engineers or designers facing issues with modifying CAD models or importing incompatible data are welcome to bring their model on a memory stick or CD and SpaceClaim experts will be on-hand to help solve the challenges.

To learn more about the event and register your spot for any of the Roadshow's four stops, please visit here: <http://www.cadventure.co.uk/forms/3DSeminarRegistration.htm>

The four four stops are as follows:

- Cadventure, Kemble Airfield - 18th June
- Arts University Bournemouth- 25th June
- The Building Centre, London - 2nd July
- International Digital Lab, Warwick University - 7th July

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WorkNC Dental CAD CAM in Partnership with Dental Wings at Sino-Dental Beijing

2 June 2010

Sescoi will be showing its automatic WorkNC Dental CAD CAM software at the **Sino-Dental 2010** exhibition in Beijing **on 9-12 June**, in collaboration with *Dental Wings*, **on booths I17 to I20**.

Dental Wings' design software, DWOS, manipulates models of dental crowns, bridges and custom abutments, digitized in its non-contact 3D laser scanners. Seamless integration with WorkNC Dental enables the finished designs to be passed to [Sescoi](#)'s Dental CAM software, ready for CNC program preparation and machining.

The vision behind the WorkNC Dental CAM software is to make "one button dental CAM" a reality. Automated cycles in WorkNC Dental enable technicians unfamiliar with CNC machining to produce safe, reliable CAM programs with just a few mouse clicks. Prostheses are first nested into the blank and support pins added, making the best use of the material and ensuring rigidity during manufacture. New functions in the software check that the prostheses fit into the blank and that they are orientated in the most appropriate way to ensure that they can be completely machined. Additionally, technicians can now engrave directly onto the implant, improving traceability in supply.

Using programming wizards, WorkNC Dental automatically selects the most efficient tooling and machining methods for cutting each specialist material. 5-axis toolpaths enable the prosthesis to be machined safely in one operation, with collision avoidance considering the tool, its holder and the limitations of the machine tool itself.

New in the latest version of this Dental CADCAM software is the ability to define models of the clamps required to hold down the job and include these in the collision checking algorithms, further increasing the reliability of machining. The software already produces optimized cutterpaths for zirconia, titanium and chrome cobalt. New materials have been added, including lithium disilicate, adding to the flexibility and range of the system.

Speed of calculation has been increased in the latest version of WorkNC Dental. Improvements in the

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handling of STL files generated from scanned data have also added to the efficiency of the system, further cutting down on programming times while maintaining accuracy. This is particularly important along the margin line, which WorkNC Dental automatically detects to form a snug fit.

By working in partnership with Dental Wings and numerous machine tool partners, SESCOI is offering dental professionals an open system for digital prosthesis manufacture, which will enable them to offer a greatly improved patient service, comprising fast delivery and an economical price without compromising on the high quality demands of the industry.

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Financial News

PTC to Provide Investor Update at the PTC User World Event on Monday, June 7, 2010

3 June 2010

PTC announced that management will provide an investor update at the PTC User World Event in Orlando, Florida on Monday, June 7, 2010 at 2:30pm (ET).

What: PTC to present at PTC User World Event

When: Monday, June 7, 2010 at 2:30pm (ET)

Where: <http://phx.corporate-ir.net/phoenix.zhtml?p=irol-eventDetails&c=116312&eventID=3131995>

Replay: The presentation will be archived for public replay until Friday, June 11 at <http://www.ptc.com/for/investors.htm>

The presentation will include management's discussion of PTC's business and outlook, including earnings guidance, which will include material projections and other forward-looking statements regarding PTC's anticipated financial results and growth, as well as the development of PTC's products and markets and other future events. Please note that statements made in the presentation are as of the date of the presentation and PTC does not assume any obligation to update any statements made or the archived presentation. In addition, any forward-looking statements about PTC's anticipated financial results and growth, as well as about the development of products and markets, are based on current plans and assumptions. Actual results in future periods may differ materially from current expectations due to a number of risks and uncertainties, including those described from time to time in reports filed by PTC with the U.S. Securities and Exchange Commission, including PTC's most recent reports on Form 10-Q and Form 10-K.

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Implementation Investments

Automotive Supplier Honsel Shifts to CIM DATABASE's PLM Technology

31 May 2010

CONTACT Software GmbH wins Honsel AG as another reputed customer within the automotive segment: As a globally leading manufacturer of light alloy automotive components, the enterprise is a demanded engineering partner and series manufacturer for the automotive industry world-wide. Since

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December 2009, Honsel operates CIM DATABASE as a multi-site PLM platform in its key departments production, tooling, engineering and standardization. Focal topics during the start-up were, on the one hand, the management of Catia V4, V5 and Pro/Engineer CAD data, Bill of Materials and Office documents, on the other, team-oriented collaboration with external sub-contractors. Here, Honsel employs CONTACT's Workspace technology, which simplifies data management for CAD applications and enables new, innovative modes of team collaboration.

The enterprise had taken the introduction of a new ERP system to re-evaluate its whole PLM strategy. Its decision for CIM DATABASE included considerations involving the comprehensive migration of existing data. With its modules for CAD data and document management, the ERP integration with Microsoft Dynamics and its product-centred project management approach, CONTACT was again able to score with its PLM concept. „We were pleasantly surprised to find that a multitude of our requirements were already fulfilled within the standard CIM DATABASE configuration“, explains Stefan Neuhaus, PLM project manager with Honsel. „And this is also the reason why we have achieved more than initially planned for within the introductory phase“.

Initially, plans were to just reinstate the former PLM system functions with the new CIM DATABASE platform – emphasizing the classic CAD data management. However, with the employment of CONTACT's new, open, integrative CAD architecture, Honsel is now already a step further, heading for more complex collaborative scenarios.

Honsel, headquartered in Meschede/Germany, is a world-wide leading contractor for light alloy components, with a focus on the automotive industry. The enterprise designs and manufactures products made from aluminium and magnesium according to all standard methods of casting, rod extruding and milling for engines, gear boxes, chassis and bodywork for cars and commercial vehicles. It further includes products for machining tools and other applications. Component system solutions by Honsel reduce car weight, fuel consumption and pollution, thus contributing considerably to the environment. Founded 1908, Honsel as engineering partner and series manufacturer for the international automotive industry has plants in Germany, France, Spain, Brazil and Mexico and has more than 4000 employees world-wide.

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Catalog Data Solutions Configurator and CAD Downloads Selected by White Drive Products

1 June 2010

[Catalog Data Solutions](#) (CDS) announced that [White Drive Products](#) have selected [CDS Configurator](#) and [CDS ModelServer](#) and to present and aid online configuration of products and CAD model downloads.

White Drive Products provides a complete range of products for mobile hydraulic drive applications. Products include a full range of low-speed high-torque motors, integrated motor brake combinations, stand alone spring-applied pressure release brakes, flow dividers, brake release hand pumps, and closed-loop hydrostatic drive piston pumps. “We want to enable our customers to easily configure a model number and download CAD models to simplify their design process,” said Fred Granson, Marketing Manager, White Drive Products Inc. “We have evaluated several suppliers and ultimately selected CDS because they offered the full package – we prefer not to collaborate with software companies that involve any third parties, CDS will build the downloadable models allowing us to direct our resources to other vital areas. We will own the IP and be able to utilize our current product modeling software

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without relying on a proprietary format that could affect our long term strategy. With all the offering that CDS provides they will be able to grow with our product lines and corporate edicts as they provide a complete solution for us.”

“CDS is delighted to have been selected by White Drive Products for our leading SaaS Catalog and CAD download solution,” said John Major, CEO Catalog Data Solutions. “The buying process has changed - designers now research and select products online before, or even instead of, talking to a salesperson. Your online content needs to influence that research and of all types of online marketing content (e.g. white papers, case studies, brochures, videos, demos, recorded webinars, reviews, CAD model downloads, etc.) only one is known to lead to a sale nearly 50% of the time! CAD downloads may be the most efficient online marketing tool available.”

Catalog Data Solutions helps industrial suppliers and distributors grow sales and strengthen customer loyalty through interactive online catalogs, ecommerce, 3D CAD model delivery and product configurator solutions.

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GKN Aerospace Selects VISTAGY's FiberSIM® and SyncroFIT® Software to Design and Manufacture Winglet for Bombardier CSeries

2 June 2010

VISTAGY, Inc. announced that GKN Aerospace has purchased SyncroFIT® software for developing airframe assemblies, as well as VISTAGY professional services. GKN Aerospace will use SyncroFIT in conjunction with FiberSIM® composites engineering software, both components of the VISTAGY AeroSuite™, to manage the evolving product development process and deliver an optimized winglet for Bombardier's CSeries aircraft program. [GKN Aerospace](#) will also seek to ensure the maximum return on its technology investment by making extensive use of VISTAGY professional services, including process consulting, best practices development and customized training.

GKN Aerospace has used FiberSIM for more than eight years to design a variety of highly complex composite parts, including the winglets on the Boeing 767, the leading edge for the Airbus A380 wings and the wing spars for the Airbus A400M. The adoption of SyncroFIT for the CSeries winglet extends the ongoing partnership between the companies.

Based on processes developed in conjunction with VISTAGY on the Boeing 767 winglet, GKN Aerospace has used FiberSIM to migrate from a ply-based to a structure-based design approach that helps the company react quickly to the inevitable design changes that occur during structural optimization of composite parts. Engineers will now use SyncroFIT to define fasteners early-on in order to provide procurement with precise and up-to-date bills of materials (BOMs), while dramatically compressing the fastener management process. GKN Aerospace will also use SyncroFIT to manage the interactions of composite details within assemblies so that its engineers can validate that fastener design rules have been met and that the ripple effect of changes during skin thickness updates are propagated throughout the assembly.

“Defining holes and fasteners is a critical issue for developing composite aircraft because the variation in skin thickness drives the need for a wide array of fasteners and adds complexity to the design,” said Justin Elliott, GKN Aerospace's chief engineer on the CSeries aircraft winglet program. “SyncroFIT unravels this complexity by enabling us to easily author and capture complete digital representations of airframe assemblies and share critical design and manufacturing detail more efficiently. VISTAGY's

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software and services will enable us to take an integrated approach to design and airframe assembly that will help us meet our goals.”

“We’re pleased to have the chance to expand our relationship with one of the world’s foremost Tier One aerospace firms,” said Steve Peck, director of product and market strategy for aerostructures at [VISTAGY](#). “GKN Aerospace’s implementation of SyncroFIT for the CSeries aircraft winglet program in conjunction with its longstanding use of FiberSIM provides further proof that in the digital age, it’s essential to couple composite design with best practices for managing joints, fasteners and holes to optimize innovative airframe assemblies.”

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Ingersoll Rand Expands PLM Footprint with PTC’s Windchill Solution

2 June 2010

[PTC](#) announced that Ingersoll Rand is leveraging Windchill®, the PTC® Product Lifecycle Management (PLM) software, to successfully implement outcome driven innovation – the practice of asking its customers what outcomes they want and then consistently delivering those end results the first time. By eliminating the need for revisions, Ingersoll Rand is able to reduce costs and drive competitive products to market faster.

By using Windchill to increase early collaborating across multiple business units and times zones, the company is reducing the need to make changes later in the product development cycle when alterations are more costly and time consuming to correct. As a result, Ingersoll Rand is now more efficiently producing the high quality products its customers need to be competitive.

“Any company can go back and make adjustments to a product to help customers meet their goals,” said George Ashley, Global Director of Virtual Engineering, Ingersoll Rand. “By eliminating that alteration and iteration step and delivering the goal outcome from the start, we are further separating ourselves from the competition and positioning ourselves as innovation leaders.”

In addition, Ingersoll Rand is also leveraging Windchill to unite its transforming and growing business. Specifically, with the completion of the Trane acquisition, Ingersoll Rand doubled in size. In order to realize its PLM objectives and share data across its newly diverse product lines, the company turned to Windchill to consolidate disparate systems and more efficiently unite now doubled departments and sources of product data.

“After any acquisition, consolidation becomes a major challenge to overcome,” said Teddy Bekele, Global IT Director for Engineering, [Ingersoll Rand](#). “For us though, the answer was simple – continue to standardize on Windchill.”

“PTC and Ingersoll Rand have been longtime strategic technology partners,” said James E. Heppelmann, president and chief operating officer, PTC. “Ingersoll Rand’s standardization on Windchill for PLM allows them to optimize collaboration and successfully grow their product portfolio while targeting new markets. We are appreciative that companies like Ingersoll Rand choose PTC to help them address the challenges in their evolving businesses.”

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Innovative Australian Manufacturer Simplifies Product Development with KOMPAS-3D

1 June 2010

Mick Murray Welding a relatively small, but innovative, manufacturer in Darwin, Northern Territory, Australia, working in a very competitive market, needed to speed up its design and manufacturing process while reducing overall costs. At the same time, Mick Murray Welding (further MMW) wanted to maintain enough flexibility to satisfy many special requirements of its customer base.

After evaluating several Mechanical Computer-Aided Design software solutions the manufacturer set its choice on KOMPAS-3D for professional 3D solid modelling and 2D design. An implementation of ASCON software solutions began in 2007. After just two years of usage and testing of the system on a number of smaller projects, mid-summer 2009 MMW hit the market with a new line of their products - HD pit haul trailers, entirely designed in KOMPAS-3D.

The new line of HD pit haul trailers each with a payload of 80t has the ability to operate continually in extreme conditions with minimal maintenance. The MMW manufactured components including chassis, body, couplings and tipping system are all entirely greaseless and were totally developed in KOMPAS-3D and its add-ons. The brakes and running gear are quality HD components but require the usual maintenance and lubrication.

The basic task, being solved by KOMPAS-3D at the company is the modeling of products in order to considerably reduce the period of their designing and launch them into production as fast as possible. Today all the industrial enterprises are under constant pressure to design more innovative products and bring them to market faster. KOMPAS-3D set of solutions for 3D modelling and 2D drafting helps the company to design more effectively, conceptualize, model, and test products before the production stage, saving time and money.

For further information on this equipment please contact m.murray@mmwnt.com.au

For further information on a KOMPAS-3D free trial, please email contact@ascon.net

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ITP - Industria De Turbo Propulsores - Selects Siemens PLM Software's Teamcenter as its Global PLM Solution

3 June 2010

[Siemens PLM Software](#), announced Industria de Turbo Propulsores (ITP), a global aeronautical company and maintenance service provider for most engine manufacturers in the world today, selected [Teamcenter® software](#) as its global PLM solution to help enhance productivity through improved efficiency and cost reductions.

ITP will use Teamcenter in the processes of designing and manufacturing engines and gas turbines. ITP selected Teamcenter to achieve its goals for cost containment and improvement of on-time delivery.

ITP has been using [NX™ software](#), Siemens PLM Software's integrated computer-aided design, manufacturing and engineering analysis (CAD/CAM/CAE) solution, since 1996 to increase its product design profitability and improve its manufacturing. ITP conducted a thorough and detailed analysis of the PLM market to assess which company could meet the needs of combining all business units' processes.

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“Our relationship with ITP started years ago and has always been based on close collaboration and trust,” said Joan Francas, Country Manager Spain & Portugal, Siemens PLM Software. “ITP’s Teamcenter selection demonstrates, once again, the power of our PLM technology in the industrial environment.”

Siemens PLM Software is committed to continually support ITP’s goals of enhancing efficiency to help reduce cost and speed time to market.

About ITP Group

The ITP Group, participated by Sener Aeronáutica (53,125%) and Rolls-Royce (46.875%), includes among its activities the Design, Research and Development, Manufacturing and Casting, Assembly and Testing of aeronautical engines and gas turbines. It is also the official maintenance service for most engine manufacturers in the world today. The ITP Group has 17 production centers in Spain, England, Malta, Mexico and the United States and a staff of 2,750 workers.

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Knee Brace Makers Adding Good Looks to Superior Performance

1 June 2010

Can a knee brace be a fashion statement? If so, [DJO Inc.](#) may be America’s next great designer.

The U.S. leader in orthopedic rehabilitation devices is using [SolidWorks® software](#) to make knee braces and other products highly functional to address medical needs, as well as lighter, more comfortable, and aesthetically pleasing. Since adopting SolidWorks The San Diego based company has brought increased speed, agility, and quality to R&D supported by advanced capabilities like 3D modeling and simulation.

For example, DJO is using SolidWorks to:

create stylish surfaces and contours while working with carbon fiber, metals, and a variety of plastics that make braces sleeker, less “medical” in appearance, and less intrusive to the end-user;

shorten design cycles by more than 25 percent through SolidWorks software’s intuitive modeling;

reduce development costs – for example, saving 5 to 10 percent, or thousands of dollars, on each major project – by using [SolidWorks Simulation](#) software to lessen the need for numerous physical iterative prototypes; and

develop product-specific literature and manuals by using PhotoWorks realistic rendering software to create studio-class product “shots” prior to manufacturing.

“SolidWorks was an easy transition from the 2D-only design world and is a superior tool for meeting the product needs of both elite athletes and weekend warriors,” said Robert Bejarano, R&D senior project manager. “We use SolidWorks for all design, surfacing, rendering, and simulation across many of our product lines, including rigid bracing, surgical implants, electrical stimulation technology, and bone-growth systems. It is amazing how versatile this software has been during the development stage.”

DJO has used SolidWorks extensively on several new product releases each year across many product lines. One example is a new breakthrough knee brace that promotes faster healing after surgery. While most post-operative braces simply limit range of motion, the new [DonJoy® TROM Adjuster™](#) unloads the knee compartment and associated injured tissue so it heals faster and reduces the potential of re-

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injury post-surgically. This brace offers an easily adjustable hinge with “Tele-Fit™” telescoping technology for a perfect patient fit. SolidWorks Simulation software enabled Bejarano, a former NASA engineer, to quickly test parts as he designed them and to optimize use of material for sleekness and cost control.

DJO knee braces are used by more than 90 percent of Division 1 college football teams and 61 of the 68 teams in the latest round of college bowls. DJO brace users include:

big wave surfing champion [Garrett McNamara](#)

motocross rider [Brett Metcalfe](#)

U.S. Ski Team mogul skier [Shannon Bahrke](#)

freestyle mogul skier [Jillian Vogtli](#)

U.S. Snowboard Team member [Nate Holland](#)

Canadian mogul skier [Kristi Richards](#)

Green Bay Packers offensive linemen [Mark Tauscher](#) and [Chad Clifton](#)

Swedish Ice Hockey player [Mattias Timander](#)

Italian Motocross rider [Antonio Cairoli](#)

Cincinnati Bengals quarterback [Carson Palmer](#)

San Diego Chargers defensive end [Shawne Merriman](#)

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

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Tacton Systems Provides Configurator Sales Tools for Alfa Laval

2 June 2010

Tacton Systems announced that it has entered into an agreement with Alfa Laval Group – a world leader in heat transfer, centrifugal separation and fluid handling – to provide configurator sales tools for Alfa Laval.

A Tacton Configurator solution will be used to replace Alfa Laval’s current sales configuration software creating a new generation of user-friendly sales configurator tools.

The first focus area will be to create a sales configurator for the external channel users as a part of the e-business focus in Alfa Laval. The plan is to have a first version ready during 2011.

“Tacton is the market leader in advanced configurator sales tools, and their products fit well with Alfa Laval’s advanced technologies and our cutting edge position on the market. We believe the new sales tools will support our sales and thereby be an important part of our business,” says Lennart Åström, CIO at Alfa Laval.

For more information, contact:

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Tara Technologies Selects Pilgrim Software's Solution as its Process and Compliance Management Platform

1 June 2010

[Pilgrim Software, Inc.](#), a global leading provider of Enterprise [Risk](#), [Compliance](#) and [Quality](#) Management (ECQM) software solutions, announced that Tara Technologies, a global manufacturer of electronics systems and components, will implement Pilgrim's process automation capabilities to help manage the work-order process for its various manufacturing lines worldwide. In addition, Tara Technologies also will implement Pilgrim's integrated compliance and quality solutions for automating [corrective and preventive action \(CAPA\)](#), [document management](#), [training and certification](#), and [equipment calibration](#), as well as its streamlining its visibility into the critical data gathered using Pilgrim's [reporting](#) platform.

Tara Technologies engaged Pilgrim's strategic business partner, PSC Group, to provide Business Process Mapping (BPM) services to define its "as-is" manufacturing process, and Pilgrim was subsequently identified as the most effective automated solution provider to address Tara Technologies' automation needs.

"Pilgrim provides us a strong automation process platform that will greatly improve efficiencies and allow enterprise-wide visibility into our key manufacturing, quality and compliance data in real time and across all functions," said Larry Orrel, Tara Technologies' Director of Information Technology. "As we deploy the automated, quality, manufacturing and compliance-driven software solutions, we anticipate our streamlined operations will give us the flexibility to anticipate and proactively address issues before they have a chance to impact our global operations."

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TPK Touch Solutions Selects Aras PLM Software

2 June 2010

[Aras®](#) announced that TPK Touch Solutions, Inc., a touch technology solution supplier located in Xiamen China, has chosen Aras enterprise PLM software to streamline their product development process and increase customer response time. As an Original Design Manufacturer (ODM) for world-

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leading smart phone, MP3/4, touch computer and GPS providers, the ability to maintain and secure customer intellectual property and respond rapidly to evolving customer needs is critical for TPK. TPK will implement the Aras PLM software suite for configuration management, engineering change management, product and project management, CAD file management and document management, and new product introduction.

TPK's touch solutions for small to large form factors have specialized display design and system integration capabilities, alongside a total supply chain manufacturing solution to meet the needs of their global customers. Aras will provide a secure environment for customized project control integrated with SAP, Microsoft SharePoint and other enterprise business applications.

"We are very pleased to have TPK as a member of the Aras community," said Peter Schroer, President of Aras. "In addition to our comprehensive PLM functionality, Aras provides the flexible, highly secure, dynamic environment required for the production of complex consumer goods such as those created by TPK."

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Western Glove Works Selects Centric Software Product Lifecycle Management (PLM) System

2 June 2010

Western Glove Works, the Canadian-based manufacturer of international denim brands Silver Jeans, 1921 Jeans and Bootheel Trading Co. by Sheryl Crow apparel division has selected Centric Software, Inc., to provide its product lifecycle management (PLM) system.

Western Glove Works has purchased Centric's Product Specification, Product Sourcing, Calendar Management and Line Planning modules. The company will begin immediate implementation of the Centric 8 PLM system, phasing it in across all product lines. Western Glove Works will deploy Centric 8 this year to users in sales offices in Vancouver, Toronto, Los Angeles and New York, design and merchandise staff in Winnipeg and Montreal, and several suppliers in Asia, according to Mark Lamont, Vice President of Apparel Services.

Replacing a one-dimensional system

"Centric 8 will replace our current system which is one dimensional and not effective in linking different areas of the company," says Lamont. "Whether it's a graphic, line sheet, sketch or other data point, it is critical that everyone involved in product development - sales, design, merchandising, the entire team - has access to the same product information. Centric 8 will solve that problem and eliminate the double and triple entry that often goes on between our group and our suppliers and slows our product cycles."

That functionality is especially crucial in 2010, explains Lamont, as the company expands its product lines by adding tops, jackets and sweaters to its base denim lines in both its Silver Jeans and Bootheel Trading Co. by Sheryl Crow apparel division, in which it is collaborating with singer Sheryl Crow. "We have different and more complex needs, and wanted to find a PLM system that could grow with us," he says. Western Glove Works sells to mid- and high-end major chains, independent retailers and boutiques.

[Western Glove Works](#) will use Centric 8 to reduce product development cycle time. "Centric 8 will allow us to establish and work with clear business rules," says Lamont. "Instead of spending valuable time sorting through different versions of product data, we now will be able to easily provide reliable, current information to everyone in the product development process at any time."

Selection process

Western Glove Works selected [Centric](#) after carefully evaluating at least six other systems, says Lamont. The company chose Centric 8 for its extensive functionality, its ability to provide a central source of accurate, up-to-date information, and for its ease of use and intuitive navigation. "Centric's PLM really stood out as the most user-friendly, straightforward system," he says. Western Glove Works users participated directly in the PLM selection process, and asserted that Centric 8 was the simplest PLM system to learn, understand and implement quickly.

"User adoption is critical," stresses Lamont. "Full and speedy user adoption will ensure a smooth and easy transition - especially critical as we expand our product lines this year." The company also cited Centric 8's strong reporting and fully Web-based platform.

"Centric's PLM will allow Western Glove Works to focus its energies on creating the products that make the company one of North America's major apparel companies," says Chris Groves, president and CEO of Centric Software. "With a widely adopted, central repository of information - the "single version of the truth" that Centric 8 provides - Western Glove Works will reap staff productivity gains, cost reductions and shorter cycle times. We at Centric look forward to working hand-in-hand with a forward-thinking company like Western Glove Works and helping them implement business critical processes."

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Product News

Bentley Integrates Civil Engineering and Stormwater Modeling Products to Improve Workflows

2 June 2010

Bentley Systems, Incorporated announced the integration of its civil engineering design and stormwater modeling and analysis applications to further enhance workflows and facilitate collaboration. The applications include Bentley's InRoads, GEOPAK, PowerCivil for North America, MXROAD, CivilStorm, StormCAD, and PondPack products.

Ron Gant, Bentley global marketing director, said, "By integrating our civil engineering design and stormwater management applications, we enable engineers and designers to build geospatially accurate models for analysis, compare various scenarios, and provide clients with the best possible designs. The results of their work can be presented as reports, charts, graphs, or construction drawings, or simply updated in their GIS systems."

Gant continued, "All of this is accomplished in a single, integrated, highly efficient workflow that empowers better teamwork and lets the users of one group of products leverage the key benefits of another. It's a workflow that only Bentley can provide."

With this integration, civil designers can ensure the accurate location of stormwater infrastructure using geometric and digital terrain data and generate 3D visualizations and analysis for clash detection and constructability – all from within Bentley civil products. This allows them to assess the feasibility of their designs early in the project design phase. In addition, with the help of comprehensive terrain modeling, catchment delineation, and site modeling tools, they can maximize the return on their investments in engineering data, such as terrain, elevation, and slope information. At the same time, automated drawing production (a by-product of the modeling, design, and analysis process) increases productivity.

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Using the scenario management tools in Bentley's stormwater products, the drainage team can further analyze and easily compare numerous design proposals within the same project file. This enables them to avoid the confusion that can result when multiple files are created for comparison and enhances productivity. The stormwater products also provide the ability to simulate complex networks to calculate overflow volumes, determine pollution in stormwater systems, and model tidal and tailwater effects and interconnected ponds.

CivilStorm, StormCAD, and PondPack users can work within the PowerCivil for North America, MicroStation, or AutoCAD (with the "For AutoCAD" option) environments or employ each application as a stand-alone product. In addition:

- from within CivilStorm, they can import/export drainage data such as pipe inverts, pipe diameter, and catchment areas directly from/to InRoads and PowerCivil for North America;
- from within StormCAD, they can import/export this same type of drainage data directly from/to InRoads, GEOPAK, PowerCivil for North America, and Bentley MXROAD;
- from within PondPack, they can import/export pond elevation data from/to InRoads and PowerCivil for North America.

For additional information about Bentley's civil engineering products, visit <http://www.bentley.com/road>. For additional information about Bentley's stormwater management products, visit <http://www.bentley.com/stormwater>.

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Cabinet NG Introduces Web-based Document Workflow Collaboration

1 June 2010

[Cabinet NG \(CNG\)](#), provider of document management and workflow software, announced the availability of its latest version of [CNG-WEB](#), a module that provides a secure web-browser interface to [CNG-SAFE](#). CNG-WEB version 6.2 brings the efficiency of [workflow](#) and several other new capabilities to the browser based experience.

Using this convenient interface, users have the ability to search cabinets, folders, and view documents from any location, anytime, without installing additional software on remote systems. Version 6.2 takes the user experience to the next level by adding workflow, simultaneous document add and route, last location memory, document trace and a number of performance enhancements that simplify use and accelerate speed.

"One of the biggest values in using CNG-WEB is its ability to support workflow using a standard browser. Workflow is the heart of keeping business processes moving and the ability to review and approve documents anytime, anywhere through a web browser is now a reality for our clients," said, Kenny Lance, President, NetBase Technologies.

CNG-WEB's workflow supports rules based and manual routing of documents. The user can also add notes to the document's workflow history. The notes feature is a great way to provide additional information and communication about a workflow activity, without making changes to a document. Approved documents are automatically sent to the next step in a workflow rule or to the selected destination/user in manual mode. Rejected documents are returned to the preceding step. Documents can also be added (uploaded) and routed in a single process using CNG-WEB. The complete workflow

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history and all notes are easily accessed by using the new trace function. This allows users to immediately know the status and progress of any document's workflow, even if that user is not part of the workflow.

For added convenience, CNG-WEB now remembers where a user was in the system during the previous session (i.e. which repository, cabinet and folder) and returns them to that location when they log back in. This is part of the overall performance improvements made to CNG-WEB which also include quicker loading mythologies. Navigation was further streamlined by upgrading the traditional numbered paging system with quick responding scroll bars and page-up/down keyboard controls.

“The need for anywhere anytime is becoming a business necessity. Embracing the Web with CNG technology is an exciting way for us to help our customers accomplish their goals from these new business environments. CNG-WEB and [CNG-ONLINE](#) are two technologies CNG offers that give users the flexibility to retain a competitive business advantage,” said Andrew Bailey, President, CNG.

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Endeca Joins PTC® PartnerAdvantage™ Program to Provide Information Visibility and Analytics across Enterprise Systems

2 June 2010

[Endeca Technologies, Inc.](#) announced that it has joined the PTC PartnerAdvantage Program to provide a direct integration between PTC Windchill® and the Endeca Information Access Platform (IAP). Combined with connectors to a full range of ERP, PLM, SCM, as well as unstructured web and document content sources, customers gain an integrated view across disparate information sources in their enterprise. With an intuitive search interface, patented Guided Navigation® capabilities, and configurable visualizations and analytics, Endeca search applications address business initiatives and critical decision points across the product lifecycle.

Today's manufacturers are facing dramatic shifts in consumer demand, huge increases in direct materials costs, and growing pressure to identify new operational efficiencies. Investments in PLM, Spend Management, ERP, and supply chain management systems have created a wealth of valuable information, but this information remains locked within these rigid, process-oriented silos. The challenge is often compounded in manufacturing enterprises that have grown through acquisition and global expansion which have multiple instances of each type of enterprise system.

Endeca offers a quick path to unlock the latent potential of this disparate information. With Endeca, PTC Windchill customers can leverage the broad information visibility provided by Endeca Search Applications to support the many daily decisions required as part of their workflows, whether it is finding inventory or cost for a part, identifying approved suppliers, or understanding outstanding warranty claims.

“Global manufacturing companies are trying to balance the pressure to be more efficient and cost-effective with customer demand for increased innovation, more product variants, and shorter time-to-market,” said Andy Barlow, senior director of Business Development, PTC. “With the addition of Endeca to the PTC PartnerAdvantage Program, Windchill users will have a powerful solution for combining PLM, ERP and supply chain data into a single information visibility solution. Endeca is a great addition to our program and can deliver significant new value to our customers.”

Endeca's manufacturing solutions are built on an architecture that simplifies the integration of data from numerous source systems into a single unified index, regardless of format, structure, and underlying data

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models. Powered by Endeca's MDEX Engine™ technology, it enables the navigation, aggregation, querying, and analysis of data from PLM, ERP, Spend Management, supplier relationship management product catalogs, and other business critical data systems. Endeca's solutions have helped leading global manufacturers such as Harris Corporation, Ford Motor Company, Raytheon, Toyota Motor Corporation and Whirlpool Corporation gather the data they need to make the best informed decisions available.

“This alliance is a ‘win-win’ for all parties involved, specifically our customers,” said Jason Purcell, senior vice president of marketing and product management, Endeca. “To survive in today's market, companies must respond to the challenges of providing an integrated view of product data across life cycles and value chains. Leveraging the extensibility of the Endeca platform, together we will be able to offer customers an out-of-the-box, high return on investment solution that will improve manufacturers decision-making and innovation delivery.”

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IFS Launches New Document Management Solution for Increased Efficiency

31 May 2010

IFS has extended its document management solution to help customers improve the efficiency of capturing and managing project and enterprise information. Developed in consultation with a number of IFS customers, the extension features improved document navigation and visualization, enhanced document security and control as well as full integration with all Microsoft Office programs.

As organizations look to take every possible step to gain competitive advantage post-recession, improving the way in which information and data are managed has naturally become a priority for many businesses. The new IFS Document Management solution has been designed to simplify the process and reduce the administrative burden of controlling the mass of documentation associated with large-scale business projects.

By ensuring customer, supplier and contractor documents are retained within a central ERP system, organizations can quickly increase data visibility and improve employee productivity by reducing the time it takes to access the right document for the right workflow at the right time.

PMC Servi, a leading manufacturer of hydraulic systems, is one of the first customers to go live with the IFS Document Management extension. Torgeir Lindtveit, MA Manager at PMC Servi, commented, “We deal with a multitude of customers and suppliers on a daily basis. It's essential that our document management application can both manage the influx of data associated with each project, as well as reduce the time required to access this information. We now have greater documentation visibility across the organization, which means our staff can quickly retrieve the latest, most up-to-date records and respond more readily when customers and suppliers need them to.”

Featuring improved document visualization, IFS Document Management dynamically handles administrative data ensuring users are only presented with documentation relevant to their current working priorities. Irrelevant data is automatically removed from the document portal view, reducing the time required to find documents to seconds. For the first time, users also benefit from full integration with all Microsoft Office programs. This allows light ERP users to work within their preferred program format and makes it significantly easier to use as documents can be checked into the system directly from Office at the click of a button.

In addition, the enhanced application now offers the ability to apply project-based document security.

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Many organizations currently store and access internal, customer, contractor and supplier documents over a shared network without a proper security process in place. An added security checkpoint within IFS Document Management now means that internal and external project consultants can be given controlled access to project-specific documents within the system. All data can be connected to the project structure, business objects or a free configurable document folder structure, with revision control, backup, security and full document management functionality.

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Japanese Editions of Maple 14 and MapleSim 4 now Available

2 June 2010

MapleSim™ 4, high-performance, physical modeling and simulation tool, and Maple™ 14, technical computing software for engineers, mathematicians, and scientists, are now available in Japanese. These products are based on [Maplesoft](#)'s core technologies, which include advanced symbolic computation engine and revolutionary physical modeling techniques.

With the Japanese Editions of MapleSim 4 and Maple 14, engineers, researchers and teachers in Japan now have access to cutting-edge tools for design, modeling, and high-performance simulation.

“Because of the substantial time savings that symbolic computation can achieve, this technology is quickly becoming one of the most important, defining technologies of next generation modeling techniques,” said Jim Cooper, President and CEO of Maplesoft. “This time savings has become one of the main factors fueling the rapid adoption of MapleSim and Maple in numerous industries throughout Japan.”

“As systems become more complex, tools that provide speed and efficiency are critical. Using MapleSim and Maple, engineers in Japan are saving weeks and months of time developing complex engineering systems,” said Kuniaki Tanaka, President of Cybernet Systems, Japan. “As well as saving time, the unique advantages of symbolic computation for physical modeling, control systems design, and HIL, are helping engineers in Japan achieve better system performance while reducing cost.”

About MapleSim 4 and Maple 14

MapleSim 4 introduces a new 3-D construction feature, which saves engineers significant time when developing multibody models. MapleSim provides instant, realistic feedback of multibody systems by dynamically rendering the model as it is built. In addition, the 3-D construction environment lets engineers add and manipulate multibody components directly in the 3-D workspace. Other new features include flexible probe management tools, including an easy way to add new probes to previous simulation results without having to rerun the simulation; a new semi-stiff solver that provides good results for stiff systems without the overhead formulation costs of a true stiff solver, and new and enhanced analysis tools, including tools for working with multibody equations.

Unlike other physical modeling tools, MapleSim is built on a foundation of symbolic computation technology which efficiently manages all of the complex mathematics involved in the development of engineering system models. At the core of MapleSim lies Maple, the technical computing software that contains a highly advanced symbolic computation engine, powerful numeric solvers, and an intuitive technical document interface. Enhancements to Maple automatically benefit MapleSim users, as well as the many engineers who use Maple directly.

Maple 14 contains increased depth and breadth of math for engineering applications, including new

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control system design tools, linearization tools, and new solvers that allow engineers to apply advanced techniques to control design problems. Enhanced performance means solutions can be found even faster, and larger problems can be tackled. New tools and resources improve the work environment, including expanded connectivity with MATLAB® through the integration of the Maple Toolbox for MATLAB® directly into Maple 14, and improved search capabilities for the help system.

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Lattice Technology Releases XVL Player 10.2

3 June 2010

Lattice Technology® Inc. released the latest version of XVL Player and XVL Player Pro.

The free XVL Player enables full viewing, measurement, markup, cross-section and animation playback. Lattice Technology's XVL format is a compressed 3D format with no loss of accuracy of the data. This lightweight footprint for 3D allows complex 3D data and assemblies to be viewed on lower-specification PCs and easily shared across a network or the internet. XVL Player enables XVL data to have additional annotation and metadata embedded within it, as well as assembly animations, structure tree data and more.

XVL Player Ver. 10.2 delivers greater functionality for handling embedded assembly animations in the 3D data, including improved playback controls, as well as Windows 7 support. Additional features for hiding and revealing trace lines in an illustration or animation have also been added.

XVL Player can be downloaded at no charge for anyone needing to view XVL data. XVL Player is used extensively at global manufacturers throughout the shop floors, support and service and at suppliers' sites.

Find out more about XVL Player and get a free download at: <http://www.lattice3d.com>

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Lectra Fashion PLM V2R2, an Even More Powerful Solution for the Fashion Industry

1 June 2010

Lectra announced that the new version of its fashion-specific product lifecycle management solution, Lectra Fashion PLM V2R2, will be available in early July.

Lectra Fashion PLM pushes back the limits of product lifecycle management by covering all the necessary steps for the creation of collections and bringing together role-based applications for product design, pattern-making, and physical and 3D virtual prototyping with tools for the planning and management of collections (line planning, product specification, costing, strategic sourcing, and flexible workflow management). Modular and scalable, Lectra Fashion PLM meets the needs of medium-sized companies just as well as of large international groups.

“Lectra Fashion PLM V2R2 is a major technological leap forward—we have drawn on best practices developed with customers to profoundly improve upon all the processes the solution covers, making a real difference to the entire value chain. For our customers this means better collaboration, time and costs savings, and, ultimately, increased competitiveness,” says Daniel Harari, Lectra CEO.

An enhanced solution to serve a global PLM approach

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Lectra Fashion PLM V2R2 provides simplified, automated costing capacities, right down to the level of individual items created in all sizes and colors. This unique, flexible costing module helps companies control margins throughout the development cycle, enabling managers to check the profitability of designs earlier in the development phase, and facilitates the decision-making process.

A new ordering module facilitates order progress monitoring by allowing for mass updates to be made. Records of all sample orders placed can be kept within the system, and reports can be generated quickly and simply. Centralized order tracking eliminates data re-entry tasks and helps users monitor orders more closely, ultimately enabling them to anticipate delays due to late deliveries, resolving problems before they become bottlenecks.

Lectra Fashion PLM V2R2 facilitates the monitoring and review of projects through enhanced mark-ups management features. This “snapshot” function enables users to generate a contextual report—it is, quite literally, a “snapshot” of the collection in progress, providing an archive of iterations. This allows users to go back and see on the basis of which information decisions were taken, improving communication and collaboration along the entire value chain.

To accelerate the migration of data and thus facilitate the implementation of Lectra Fashion PLM, the data load capacity through Microsoft Office Excel has been enhanced. A user-friendly tool allows companies to fill spreadsheets with data to be loaded into the system; users can also fill through queries on external systems. This is a highly flexible way of gathering data and allows for a large range of information to be loaded (libraries, pick lists, materials, trims, etc.).

Lastly, Lectra Fashion PLM V2R2 will be made available in Chinese and Japanese in order to better serve the Far Eastern markets and facilitate exchange between Europe, the Americas and Asia.

Integrated design and development—key for successful fashion PLM

By aligning individual processes with the company’s wider priorities, Lectra Fashion PLM supports companies as they seek to deliver cost-effective, on-trend collections in a timely manner, season after season. Consumers now have more choice than ever about what, where and how they buy, so a key differentiating factor between brands is their design.

[Lectra](#) Fashion PLM’s design tools represent a shift in fashion design solutions by enhancing the creative aspects of the profession and reducing repetitive, administrative and labor-intensive tasks. Created specifically for fashion professionals, Lectra Fashion PLM offers a collaborative design space to maximize the expertise pooled, speed up processes, and secure information, which ultimately improves designs. Concept validation is also considerably faster, as everyone has visibility into the process—this accelerates time-to-market.

This flexible, shared collection development space also optimizes the interactive and iterative processes of product development, including the development of technical instructions, 3D virtual prototyping, sample creation, fitting and quality testing. As the development stages of collection creation are cyclical rather than linear, Lectra Fashion PLM has been designed with this in mind.

“With its solution for streamlining the complex business of collection management, Lectra is the ideal technology partner for fashion companies looking to enhance their productivity and their competitiveness,” said Mario Boselli, Director of the National Chamber of Italian Fashion.

Rapid return on investment

Lectra’s Easy Start offer is designed to ensure that users are operational within a single fashion season.

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Pre-packaged software, tools and services, along with clear guides for project management best practices and process-based training, ensure deployment is smooth and seamless. On the other hand, for customers with more specific needs, Lectra is also able to offer a variety of levels of personalization to make sure that every customer finds the perfect fit.

With this scalable solution, a project that begins with a simple Easy Start implementation can grow and take on a much more tailored approach, customized for the user company's specific needs. This flexible system allows fashion companies to integrate their own best practices into the system and adapt it to their own methods. Change management is thus accelerated and users are quickly at ease and efficient with the system.

For more information about Lectra Fashion PLM: http://www.lectra.com/en/fashion_plm

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Mentor Graphics Announces FloEFD Pro 9.3.1 Product for Fully-Embedded Support of PTC Pro/ENGINEER for Fluid Flow and Heat Transfer Simulation

2 June 2010

[Mentor Graphics Corporation](#) announced that its [FloEFD™](#) Pro v9.3.1 Concurrent Computational Fluid Dynamics (CFD) technology is the industry's first fully-embedded solution for PTC Pro/ENGINEER software. Pro/ENGINEER is the 3D product design standard used by mechanical design engineers, providing integrated parametric 3D CAD/CAM/CAE capabilities to allow users to maximize productivity and develop innovative products.

The Mentor Graphics FloEFD Pro v9.3.1 software from its Mechanical Analysis Division (formerly Flomerics) works directly with native Pro/ENGINEER geometry to keep pace with continuous design iterations, unlike other CFD tools. [Concurrent CFD](#) can reduce simulation time by as much as 65 to 75 percent in comparison to traditional CFD tools and enables users to optimize product performance and reliability while reducing physical prototyping and development costs without time or material penalties.

By using the same geometries and a common user interface (UI), graphics window, and workflow for CAD and analysis, designers can maintain a single set of data across the entire project design process. As a result, the FloEFD Pro 9.3.1 product provides a wide range of physical simulation capabilities for fluid flow, heat and mass transfer, including a special module for electronics cooling applications with extensive property libraries.

"Mentor's Mechanical Analysis Division, a Platinum Partner in PTC's PartnerAdvantage™ Program, provides some of the world's most advanced [computational fluid dynamics](#) products," said John Buchowski, vice president, Product Management, PTC. "Mentor's full support of Pro/ENGINEER will help PTC's customers eliminate design errors, reduce costs, and optimize designs involving heat transfer and fluid flow before physical prototypes."

The FloEFD Pro v9.3.1 product is fully embedded in Pro/ENGINEER Wildfire 3.0, 4.0 and 5.0, for x32 and x64-bit versions including Windows 7. The product is available for immediate shipment. Additional product information can be found at: <http://www.mentor.com/products/mechanical/products/floefd/>.

"We are pleased to be a key technology partner with PTC and we believe our FloEFD Pro support of Pro/ENGINEER will be tremendously valuable to our mutual customers," stated Erich Buerger, general manager of Mentor Graphics Mechanical Analysis Division. "Our seamless integration of our leading concurrent CFD technology with Pro/ENGINEER is designed to maximize productivity and help our

customers get the right design to market."

The FloEFD v9.3.1 Product Featured at PTC/USER World 2010, Booth #309

The Mentor Graphics FloEFD v9.3.1 solution will be featured at the PTC/USER World Event at the Rosen Shingle Creek Hotel in Orlando, Florida, June 6-9, 2010. Visit the **Mentor booth #309** during this event. For information on PTC/USER World, visit:

http://www.ptc.com/appserver/wcms/events/series.jsp?&im_dbkey=108255&icg_dbkey=141.

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Mentor Graphics Introduces Precision Rad-Tolerant Product to Provide Unique Advanced Radiation Effects Mitigation

3 June 2010

Mentor Graphics Corporation announced its new Precision® Rad-Tolerant™ FPGA design solution for aerospace and high-reliability applications. The product, developed with NASA's guidance, introduces an industry-first, synthesis-based radiation effects mitigation solution to reduce the risk of functionality problems including soft errors caused by single event upset (SEU) and single event transient (SET) disruptions. Initial support is available for SRAM, anti-fuse, and flash-based devices from Actel® and Xilinx®.

With Precision Rad-Tolerant, Mentor is addressing the critical need for automated, FPGA vendor-independent methods of radiation effects mitigation. Alternative mitigation methods, such as manual HDL coding, can be either too costly, time consuming, or error-prone. The Precision Rad-Tolerant solution also delivers all of the unique synthesis-based capabilities of Precision RTL Plus, including low power synthesis, integration with Mentor tools, and specialized features and flows for mil-aero and safety-critical applications.

The Precision Rad-Tolerant product has several unique features that make it much easier for designers to incorporate a variety of radiation effects mitigation schemes, such as automated, multi-vendor, multi-mode Triple Modular Redundancy (TMR). The tool builds on—and enhances—proven mitigation methods such as redundancy of sequential and combinational logic. Because TMR insertion is performed at the synthesis level, designers are no longer limited to using fully radiation-tolerant devices and can achieve higher-quality results versus alternative mitigation approaches.

By addressing radiation effects during implementation, the features of the Precision Rad-Tolerant solution provide an unmatched level of automation and user control. "Although the concept of TMR is simple, writing a reliable VHDL equivalent is not," stated Melanie Berg, MEI Technologies, NASA/GSFC Radiation Effects and Analysis Group. "Automating TMR logic insertion, while allowing the user to select the type of TMR mitigation, is very beneficial to a FPGA designer developing critical space applications."

A unique feature of the Precision Rad-Tolerant product is synthesis-based insertion of fault-tolerant finite state machines (FSM). The resulting FSM can "absorb" radiation-induced single event upsets (SEUs), mitigating their effect rather than switching the state machine into an unknown or unpredictable state. This form of safeguard meets the needs of a wide range of high-reliability applications.

"Mentor Graphics is enhancing the FPGA design flow for high reliability," said Ken O'Neill, director of high reliability marketing for Actel. "With support for our RT ProASIC3 FPGAs, Precision Rad-Tolerant allows designers of space-flight systems to take advantage of the reprogrammability and low

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power consumption of flash-based FPGAs. Additionally, designers of high-reliability systems which must withstand radiation environments, such as oncology systems and airborne avionics systems, can use Precision Rad-Tolerant to protect critical data paths in ProASIC®3, IGLOO®, and Fusion® families.

“Xilinx provides proven solutions for space and high-reliability applications that are unique to our leading-edge Virtex families,” stated Tom Feist, senior marketing director for the Xilinx ISE® Design Suite. “Mentor Graphics delivers a unique, synthesis-based approach to soft error mitigation that complements Xilinx solutions for high reliability applications.”

“Mentor is uniquely positioned as the leading EDA provider of FPGA solutions for military, aerospace and high-reliability applications,” stated Daniel Platzker, FPGA Synthesis product line director, Mentor Graphics Design Creation and Synthesis Division. “Precision Rad-Tolerant fills a void for FPGA designers that are concerned with radiation by providing radiation effects mitigation capabilities that are unmatched by any other product available today.”

Product Availability

The Precision Rad-Tolerant product is available now. For more information on the Precision Rad-Tolerant product and other FPGA synthesis and mil-aero solutions from Mentor Graphics, visit the company website at: www.mentor.com/precision-radtolerant.

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Mentor Graphics 0-In Formal Version 3.0 Brings New Level of Automation to Formal Verification

1 June 2010

Mentor Graphics Corp. announced the immediate availability of the [0-In® Formal](#) tool version 3.0, an advanced solution for the formal verification of complex IC designs. New capabilities in the 0-In Formal tool deliver greater ease of use through automation, more rapid coverage closure through coverage ‘reachability’ checks and the integration with the [Questa®](#) Unified Coverage Database (UCDB), and higher performance and capacity due to improvements to the underlying verification engines.

Formal verification is one of the technologies required by today’s complex IC design teams to combat the mounting challenge of verifying the functionality of their designs. The 0-In Formal tool enables users to find and fix many bugs before simulation even begins, which enables them to focus simulation on achieving coverage of required behavior much sooner. Unlike simulation, which tests one particular scenario at a time, the 0-In Formal tool explores all possible scenarios in parallel, to thoroughly verify that no errors can possibly occur. At times, despite the best efforts in verification, design errors escape to silicon. The 0-In Formal tool speeds diagnosis and correction of such errors by enabling users to quickly locate the error in the HDL model and verify that a proposed fix makes the design work correctly.

The 0-In Formal tool also provides improved support for mixed-language design through tighter integration with the Questa® platform. This is achieved through a common user interface, common front end, meaning the use of the same compilation flow for both the Questa platform and the 0-In tools, and the common back end, namely the fact that both the Questa platform and the 0-In tools write to the UCDB. The integration with the Questa platform front end has improved support for design and verification language features in VHDL and [SystemVerilog](#) as well as for assertion language features in PSL and SVA. In addition, automatic checks in the 0-In Formal tool can detect a large number of typical errors automatically, with no need for the user to write assertions.

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The 0-In Formal tool also delivers the ability to verify more types of behavior through the addition of 'liveness' properties such as "from any state, the design will eventually reach the reset state."

In addition, the automatic identification of unreachable coverage points and integration with the UCDB allows the tool to automatically exclude unreachable coverage points from coverage calculations to achieve coverage closure more quickly.

An improved use model includes enhanced support for visualization and debug of formal verification results, and new and improved verification engines provide higher performance and capacity, which enables faster and more complete verification of more complex designs.

"Mentor Graphics has put some impressive improvements in version 3.0 of the 0-In Formal proof engine," said Dr. Shaun Feng, MTS design engineer at AMD. "Compilation is very fast and enables AMD to prove all of our properties. The new release is also able to analyze latches very effectively, even when clock and data are intermixed."

"Formal verification experts will appreciate the improved performance of our leading proof engine technology and the support of liveness properties," said John Lenyo, general manager, Design Verification Technology (DVT) division. "By eliminating the need to write assertion properties, the automated verification checks place the power of our formal verification technology into the hands of all verification engineers, not just the formal experts."

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Mentor Graphics Releases 0-In CDC Version 3.0 to Support Verification Needs of Larger, More Complex Designs

1 June 2010

Mentor Graphics Corp. announced the immediate availability of the [0-In® CDC](#) tool version 3.0, a complete and effective solution for clock domain crossing verification. The patented technology in the 0-In CDC tool enables comprehensive analysis and verification of clock domains, synchronization, protocols, and reconvergence, using a combination of static formal verification and simulation in a highly-automated flow. As a result, the 0-In CDC tool enables verification of the most complex designs, with little user effort.

The 0-In CDC v3.0 tool supports [SystemVerilog](#), Verilog, and VHDL with a wide variety of design styles and synchronization methods. In version 3.0, the 0-In CDC tool supports top-down, bottom-up, and mixed approaches for hierarchical analysis, and gives the user more control over the verification process. The 0-In CDC v3.0 tool includes patented technology that enables verification of the effects of metastability and reconvergence during simulation. In addition, the 0-In CDC v3.0 tool exports data to Mentor's Unified Coverage Data Base (UCDB). Together, these enhancements enable users to verify larger and more complex designs and integrate the results into a complete coverage-driven verification flow.

"Clock-domain crossing verification is an increasingly-difficult challenge in today's designs, which have large numbers of typically asynchronous clock domains. It is a complex verification problem that requires a multi-faceted solution," said John Lenyo, general manager, Design Verification Technology (DVT) division. "The 0-In CDC tool provides such a solution by combining our best-in-class formal technology with the industry-leading [Questa®](#) verification platform to attack the problem from several directions. Version 3.0 builds on extensive customer experience over the past 5 years to provide even

greater flexibility and power.”

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MSC.Software Releases SimManager 2010

2 June 2010

MSC.Software announced the release of SimManager 2010.

SimManager gives product development executives the confidence to replace slow and expensive physical prototypes and tests with virtual equivalents that can be modified easily and tested quickly to provide greater insight into product performance. Leveraging SimManager's proven and scalable capabilities to manage simulation content and automate standard processes, manufacturers worldwide are increasing productivity and simulating more design possibilities, leading to product innovation and lasting competitive advantage.

SimManager 2010 delivers major improvements in usability and speed of deployment with enhanced out-of-the-box capabilities, empowering companies to simulate more productively by enabling more consistent, reliable and traceable simulation for teams from the individual department to the global extended enterprise. Important new capabilities include:

- New modern Web-centric user interface and graphical search workspace that accelerate simulation process configuration and user productivity in global engineering teams
- Enhanced process automation to dramatically reduce repetitive, manually intensive work
- New configuration paradigm to accelerate deployment and fast production readiness
- Automatic data enrichment capabilities for effective simulation content screening
- Simulation work request and study functions for flexible and interactive collaboration

SimManager 2010, completely redesigned to reflect ten years of MSC's customer deployment experience, streamlines global distribution of standard methods, processes, models and related files. SimManager structures simulation data to capture the complete audit trail for every simulation process. Simulation results, along with all the contextual information that describes who, why and how they were created, are made available across the enterprise for faster, fact-based, critical engineering decisions.

"MSC has been recognized as the vendor with the largest number of sites using Simulation and Process Data Management in production. Large Aerospace and automotive companies rely on MSC.Software for supporting a tremendous increase in the volume of simulations performed with tangible and measurable benefits," said Albrecht Pfaff, Vice President SimManager Business Unit, MSC.Software. "Our new SimManager 2010 release will enable customers to deploy a production ready SDPM solution faster and with a shorter ROI."

For more information about new features in SimManager 2010, listen to the **On-Demand webinar** at http://www.mscsoftware.com/events/Webcasts/simmanager/SimManager_042710/simmanager_2010.html

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Okino Releases v5.3.2 "PLM" (Product-Lifestyle-Management) 3D File Conversion Pipeline Based on the "JT Open" Initiative

4 June 2010

Okino Computer Graphics released its newest v5.3.2 set of JT PLM/MCAD bidirectional import and export converter modules. The 'JT' converter modules allow geometry, hierarchy, materials and texture mapping data (assembly data) to be imported and exported to native JT disk-based MCAD files (otherwise called "DirectModel" files). At no additional cost, the JT importer module also allows PMI graphical data to be imported and then re-exported to such compatible Okino export file formats as SketchUp and U3D (for further import into Adobe Acrobat®-3D), among others. The modules are built upon the official "JT Open" Toolkit which has been licensed from Siemens AG. The use of the official "JT Open" toolkit ensures consistency of JT files across the enterprise and throughout the PLM supplier chain.

“Having been one of the early adopters of the JT Open toolkit, our v5.3 release of the bidirectional JT converter modules are a real gem in our line-up of Okino CAD modules and of our dedicated CAD software development,” said Robert Lansdale, president and CEO of Okino Computer Graphics, Inc. “Using our long standing JT solution, end-users are able to bring together a wide range of 3D data file sources into one cohesive work environment, add optional materials/lights/cameras/textures, add complex animation data (such as via PolyTrans-for-3dsMax/Maya/Softimage/Lightwave/CINEMA-4D), reduce the data size by 80-95%, optimize the parts count and hierarchy, then optionally re-export to top quality 3D file formats and WEB streaming formats. This end-to-end CAD repurposing concept and pipeline has been pioneered by Okino over the last 22 years. The JT import and export converters are also directly accessible from within the user interfaces of 3ds Max, Maya, Softimage, CINEMA-4D and any other third party vendor products which support Okino's integration API.”

What is "JT"?

"JT" is the predominant and lightweight 3D visualization file format for PLM. It is in production use by thousands of companies worldwide. Compact and accurate, JT is used throughout the product development life cycle in all major industries to communicate the critical design information typically locked up inside a CAD file.

The JT data representation is:

- A rich data model with robust entity support.
- A high-performance, compact persistence archive format for graphics data.
- The best-in-class for supporting large assembly / model interactive capabilities.
- CAD-neutral supporting all major MCAD applications.

JT data can be very lightweight, holding little more than facet data, or it can be richer and hold associations to the original CAD information, assemblies, product structure, geometry, attributes, meta data and PMI. It supports multiple tessellations and level-of-detail generation.

Related WEB Sites About "JT"

- "JT Open", <http://www.jtopen.com>. Main WEB site for the "JT Open" initiative
- "JT2Go", <http://www.jt2go.com>. View JT files, or embed JT files in Microsoft Office documents.

To learn more about the complete details of the features of the Okino "JT" Importer and “JT” Exporter

please click [here](#)

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Open Text Expands Social Media Offerings to Help Businesses Drive Bottom Line Results

2 June 2010

Open Text Corporation announced an expanded family of social media offerings that enable businesses to securely apply the value of social media to solve core business challenges, such as improving customer engagement or promoting team productivity.

To support its customers as they seek to take advantage of the early-days social media explosion, Open Text stepped up quickly by adding blogs, wikis and other native Web 2.0 capabilities to the Open Text ECM Suite in 2008. Open Text, leveraging its strength in information governance, also took the lead in allowing customers to apply regulatory and legal rules to user-generated content. Then, last year, Open Text announced a completely new solution that lets companies create social workplaces for internal use cases, followed by the social media capabilities for marketing and external audiences from the acquisition of Vignette.

Now, Open Text is evolving this foundation with a range of enhancements and new social media capabilities as part of the Open Text ECM Suite, building on a core strategy to apply social media technologies to pressing business challenges:

- Open Text enables companies to apply social media capabilities to drive marketing effectiveness, as well as customer support, sales and consulting, and strategic client engagement, among many others.
- Open Text helps companies drive productivity within the enterprise with social media solutions that let users create profiles, follow co-workers and generate news feeds, or collaborate on projects. This improves information sharing and captures corporate knowledge, while reducing dependence on email.

With the new and enhanced capabilities announced today, careful attention was paid to ease of use for business users and application to real business challenges, along with continued full support for Open Text's core competence in information governance and control. Expanded and enhanced offerings include:

Open Text Social Communities - Formerly Vignette Community Applications and Services, Open Text Social Communities is an enterprise social media solution that empowers organizations to engage with their customers, employees, and partners. As part of a broader marketing and CRM strategy, social media can give companies greater market insight, improved market engagement and, more importantly, significant improvements in customer satisfaction and retention.

Enhancements in the latest release support rapid creation of engaging, socially enabled websites along with social microsites that combine Web 2.0 functionality, with in-depth analytics and advanced social search. Now part of Open Text ECM Suite, Open Text Social Communities consolidates social applications, such as video galleries, photo galleries, slideshows, comments, ratings, forums, blogs, wikis, download management, event management, and idea management with user profiles, microblogging, social bookmarking, and group and moderation support. For more information, go to: <http://www.opentext.com/2/products-open-text-social-communities>.

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Open Text Social Workplace - First released in the summer of 2009, the new release of this solution offers employees an elegant way to network and interact with each other and excels in how it supports a team's ability to form, organize and collaborate on projects as an easy-to-deploy shrink-wrapped solution. While available for standalone deployments, the new release offers deeper integration with the Open Text ECM Suite and Open Text eDOCs, as well as new microblogging and instant messaging features. For more information, go to: <http://www.opentext.com/2/global/sol-products/sol-pro-open-text-social-media.htm>.

According to Info-Tech's "Collaboration Vendor Landscape" report, Open Text Social Workplace "provides a collaboration product in the workplace that is as intuitive as the collaboration tools employees use at home." The report further notes, "This solution minimizes information overload, a problem that plagues knowledge workers in modern organizations of all sizes." The report can be downloaded at <http://campaigns.opentext.com/forms/InfoTechCollaborationPaper>.

Open Text Content Server Pulse - This enhancement to Open Text Content Server, the heart of the Open Text ECM Suite, provides a people-centric view into the activity occurring within the system. By socially enabling existing Content Server deployments, Pulse allows users to discover and collaborate on new content and share status updates, while continuing to use access controls, auditing, and other capabilities in their document management and compliance solutions. By using Pulse, organizations can take advantage of a Facebook-like social media environment within their existing Open Text ECM Suite deployments and move informal communications out of email, thus reducing dependence on inefficient and slow email chains. Additionally, it offers a way for people to collaborate rapidly in real time, while creating a secure knowledge base for new employees and team members. Pulse is a major step toward enabling customers to capture their organizational memory through the archival of formal and informal user conversations. Pulse is being made available as a free download for existing customers and partners on the Open Text Knowledge Center. Note that the link requires login: <https://knowledge.opentext.com/go/pulse>.

Open Text is making the social media functionality described here available for mobile users via the recently announced Open Text Everywhere (<http://www.opentext.com/everywhere>) that provides an application for accessing enterprise content, workflows, and social media while on the go.

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Professional Systems Associates Announces the Release of CMPRO's New Process Workflow Engine

1 June 2010

Professional Systems Associates will be exhibiting CMPRO's newly released Process Workflow Engine (PWE) at the Military and Aerospace Electronics Forum/Avionics USA 2010. CMPRO's new Process Workflow Engine makes it easier to bring a company's processes into the workflow of its product lifecycle management (PLM) activities and allows for advanced real-time reporting options. The new PWE can use conditional logic to control the workflow between steps and processes. It is also role-permission controlled and time-tracked giving companies increased flexibility to optimize their business processes.

CMPRO is bringing PLM to the next level by making it easier to incorporate business processes into document management, drawing management, contract requirements, and production activities; and allowing companies to track progress and time spent on tasks. CMPRO's new PWE makes workflow more dynamic by having reusable steps and processes that can be used across multiple routes. PSA

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works with companies to optimize processes to insure the most effective implementation of CMPRO in their businesses.

Professional Systems Associates, Inc. has been in business for more than 20 years by providing people-oriented software solutions to commercial and government customers. The experts at Professional Systems Associates, Inc. work with organizations to understand their unique approach to business, the people they have, and the processes they use. This partnership approach to implementing and supporting CMPRO allows for successful product lifecycle management implementation. For more information please go to <http://www.PSASYS.com>.

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Synopsys Announces Symphony HLS Support for Xilinx Virtex-6 FPGAs

3 June 2010

[Synopsys, Inc.](#) announced that its Symphony HLS (High Level Synthesis) product now includes optimized support for Xilinx Virtex®-6 FPGAs. The high level synthesis flow provides Virtex-6 FPGA users with more automatic target-specific optimizations and architecture exploration from high level models and delivers up to 10X higher design and verification productivity than traditional RTL flows for communications and multimedia applications.

The Symphony HLS product generates optimized RTL for Virtex-6 FPGA implementation as well as testbench scripts to verify that the RTL implementation behaves exactly as the original model. Symphony HLS also generates fixed-point C-models that can be used for system validation and functional verification. These features enable engineering teams to more rapidly create new designs or upgrade existing designs to Virtex-6 FPGAs.

"The Symphony HLS solution combined with the Virtex-6 and Spartan-6 families' Targeted Development Platforms has significantly reduced the effort required to get signal processing algorithms running on high-performance FPGA technology," said Tom Hill, senior manager DSP platforms at Xilinx. "The Symphony HLS product complements existing flows by providing a very high level of design abstraction with architecture exploration features and world-class quality of results for design teams developing wireless infrastructure, broadcast, industrial, military and aerospace applications."

"The growing number of opportunities created by today's DSP-rich FPGAs further widens the design productivity gap compared to implementing systems with high-end DSPs," said Johannes Stahl, marketing director for system-level solutions at Synopsys. "Using Symphony HLS with Xilinx Virtex-6 FPGAs addresses this gap by allowing design teams to more rapidly create, optimize, explore and verify complex algorithms, such as orthogonal frequency division multiplexing (OFDM) and multiple-input multiple-output (MIMO) modems that are now frequently being used in wireless and broadcasting designs."

Symphony HLS for Optimized Virtex-6 Implementation

The Symphony HLS product synthesizes architecturally optimized RTL from high level models built from the Symphony HLS-optimized IP libraries. The high level synthesis engine also optimizes for the target FPGA technology by offering an advanced timing mode which accurately characterizes operations on the Virtex-6 FPGA device using the Synopsys Synplify Pro® and Synplify® Premier logic synthesis tools. This feature enhances mapping to the Virtex-6 FPGA's on-chip resources such as hardware multipliers, accumulators and memories, improves the overall optimization results and provides faster

timing closure for Virtex-6 FPGAs.

Architecture Exploration and Verification Done Earlier

Using the Symphony HLS product, engineers can create and explore algorithm implementation architectures much earlier in their projects. Users can provide constraints that specify the architectural transformations and optimizations that the Symphony HLS engine will use to generate RTL, RTL testbench scripts and C-models that can be used in a variety of system simulation environments and virtual prototypes. This high level synthesis methodology allows designers to stay in their preferred algorithm modeling environment, eliminating the need to re-code and re-verify models and enabling early system-level validation and verification.

Symphony Reference Design for the Avnet Xilinx Virtex-6 FPGA DSP Kit

A Symphony HLS reference design is now available which demonstrates the Symphony HLS flow into the Avnet Xilinx Virtex-6 FPGA DSP kit. The application is a digital up converter (DUC) and a digital down converter (DDC) for cellular basestations. The kit includes the Symphony high level model, MATLAB scripts for verification, and a suite of high level synthesis results showing architectural exploration on Virtex-6 devices. It also includes implementations that map to the Virtex-6 ML605 FPGA board and run in real-time. The reference design will allow teams to be up and running with the Symphony HLS software and Virtex-6 FPGAs within hours.

Packaging and Availability

Symphony HLS and C-model generation is available now for FPGA and ASIC design flows. Symphony HLS is integrated with the MATLAB and Simulink from The MathWorks. The reference design is available upon request to Symphony HLS customers. For more information please visit the [Symphony HLS webpage](#) or contact your local Synopsys sales representative.

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ZWCAD 2010 Update Patch Announced to Support DWG 2010

1 June 2010

ZWCAD Software Co., Ltd. announced the release of ZWCAD 2010 Update Patch (Vernum=2010.05.31(14725)), which now offers smoother drawing communication with support for DWG 2010. Available in 15 languages, ZWCAD 2010 Update Patch also provides 3D features like Sweep & Loft, as well as faster drawing speed and greater program stability.

With support for DWG 2010, users can now create, open, edit and save drawings generated by AutoCAD® from version 2.5 to 2011. Open, edit and save drawings created with AutoCAD® 2010 or AutoCAD® 2011 for reliable team projects with customers that still use other CAD software! ZWCAD 2010 designers can even save drawings back to DWG 2007 when needed.

ZWCAD 2010 Update Patch now provides its users with SWEEP and LOFT commands that simplify 3D and solid model design work. PAN and ZOOM which are the most frequently used commands have been optimized to reduce viewing lag. Speed of these commands has increased 50% to 200% for most drawings. ZWCAD 2010 program stability has been improved in commonly used areas such as data access with Microsoft® documents, opens and saves, eTransmit, and others.

In addition, new features such as ONLY SAVE CURRENT DOC allow users who commonly have multiple drawings open at the same time to set their Autosave functions to save only the current file

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being edited, freeing up valuable memory space by not resaving files that are open but not being worked on. The View Manager feature now provides a dialog window to create and edit all model named views. Visit http://www.zwcad.org/download_form.php?id=107 to download a copy.

ZWCAD is focusing on and supporting the development of industrial applications which are based on ZWCAD. Developers around the world are creating and sharing multiple programs to enhance design experience and customer collaboration projects. ZWCAD users are welcome to join the ZWCAD Developer Network at <http://www.zwcad.org/zdn.php>.

To learn join ZWCAD global events at http://www.zwcad.org/global_events.php to find the event nearest you.

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