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## Acquisitions

### *Microsoft Dynamics Acquisitions Accelerate Industry Innovation for ERP Customers*

22 September 2009

Building on the Microsoft Dynamics enterprise resource planning (ERP) strategy to drive industry-specific innovation for customers and enable partners to deliver repeatable, vertical solutions, Microsoft Corp. announced the acquisition of four industry solutions that will extend the core capabilities of one of Microsoft's ERP products, Microsoft Dynamics AX. This move supports Microsoft's promise to enable the Dynamic Business, which includes offering flexible business applications that remain relevant as business needs evolve.

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“With these acquisitions we are investing in building industry functionality directly into the Microsoft Dynamics AX application, while other ERP vendors are cutting corners or trying to reconcile multiple industry offerings as a result of acquiring several companies,” said Crispin Read, general manager of Microsoft Dynamics ERP. “We are a safe haven for customers and partners who depend on us to drive continuous innovation in our products and lower the total cost of ownership.”

The following acquired technology will be offered as part of Microsoft Dynamics AX, which will give partners the opportunity to drive deeper vertical solutions for customers in manufacturing, professional services and retail.

- A process manufacturing solution acquired from Fullscope Inc., which provides tight integration of business processes across discrete manufacturing and process manufacturing
- A professional service solution acquired from Computer Generated Solutions Inc., which delivers a single system to manage projects and resources, execute financial transactions and customer billing, and match resources with client assignments
- Retail solutions from LS Retail EHF and To-Increase Denmark A/S, a wholly owned subsidiary of Columbus IT Partner A/S, that enable Microsoft to provide an end-to-end retail solution including store management with point-of-sale, merchandising and ERP capabilities

With these technology acquisitions Microsoft is providing core industry functionality embedded into Microsoft Dynamics ERP applications, allowing partners to focus on the last mile of innovation, which has been shown to have the greatest impact on a customer’s business.

“We chose Microsoft Dynamics AX with the process manufacturing solution from Fullscope over Oracle and SAP because Microsoft’s industry solution enabled a better fit with our business processes instead of dictating a set of fixed industry best practices,” said Mark Holt, director of information technology, Cayman Chemical Company Inc. “Microsoft’s move to add industry solutions directly into Microsoft Dynamics AX provides a predictable industry road map, allowing partners to focus on the vertical solutions that can keep pace with the rate of innovation.”

An ecosystem of independent software vendor partners delivers vertical solutions for multiple industries across Microsoft Dynamics ERP, which also includes Microsoft Dynamics NAV, Microsoft Dynamics GP and Microsoft Dynamics SL.

Process manufacturing and professional services solutions for Microsoft Dynamics AX are available immediately on the Microsoft Dynamics price list, and the retail solution will be available at a later date. Microsoft will provide updates to customers and partners as the availability date approaches.

More information on Microsoft Dynamics ERP solutions, and details on the new industry functionality in Microsoft Dynamics AX, can be found at <http://www.microsoft.com/dynamics/en/us/products/ax-overview.aspx>.

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## ***MSC Software Receives Revised Merger Proposal***

22 September 2009

[MSC Software Corporation](#) announced that, on September 21, 2009, the MSC Board of Directors received a revised offer from third-party private equity firms to acquire all of the issued and outstanding common shares of MSC for \$8.30 in cash, subject to certain terms and conditions (the “New Offer”).

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As previously announced, on July 7, 2009, MSC entered into an Agreement and Plan of Merger among MSC, Maximus Holdings Inc., a wholly-owned subsidiary of Symphony Technology Group (“Symphony”), and Maximus Inc. (the “Symphony Agreement”) under which Symphony agreed to acquire MSC for \$7.63 per share in cash. On September 16, 2009, the MSC Board of Directors received a revised offer to acquire MSC for \$8.15 per share in cash (the “Symphony Revised Offer”) from an affiliate of Symphony Technology Group (“Symphony”). The Symphony Revised Offer was made in response to a substantially similar offer made on September 14, 2009 by the parties making the New Offer. After reviewing the New Offer in light of the Symphony Revised Offer, the MSC Board of Directors determined that the New Offer constituted a “Superior Proposal” as defined in the Symphony Agreement.

MSC provided notice on September 21, 2009 to Symphony of the MSC Board’s determination that the New Offer constitutes a Superior Proposal and of its intention to terminate the Symphony Agreement and enter into a binding written definitive agreement concerning the New Offer after the expiration of the five business day notice period ending Monday, September 28, 2009 specified in the Symphony Agreement. Under the Symphony Agreement, Symphony has the right to make a responsive offer prior to the expiration of such five business day-period, and MSC may terminate the Symphony Agreement only if the MSC Board of Directors determines in good faith, after consultation with its financial advisors and outside legal counsel, that the New Offer continues to be a Superior Proposal in light of any responsive offer.

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## CIMdata News

### ***CIMdata Inc. Announces Date and Location of Its Next PLM Certificate Program***

22 September 2009

CIMdata, Inc., the leading global PLM consulting and research firm announces that the next session of its PLM Certificate Program is to be held in Santa Clara, CA from December 7-11, 2009. [CIMdata’s PLM Certificate Program](#) is the flagship offering of CIMdata PLM Leadership—the PLM industry’s most comprehensive non-biased education and training offering for today’s PLM professionals.

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

According to Mr. Peter Bilello, CIMdata’s Vice President, “CIMdata is extremely happy with the response the program has received to date. To make it even more accessible to today’s busy PLM technologists, CIMdata has introduced an additional way in which individuals can become a member of CIMdata’s PLM Leadership community.” Mr. Bilello went on to state that program participants can complete all 9 sessions in one of two ways:

1. By attending the full program delivered over 5 consecutive days; or
2. By attending the prerequisite Core PLM Certificate sessions offered over 3

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consecutive days and at a later time, within a 12-month period, completing the remaining sessions given over 2 consecutive days.

PLM Certificate Program participants can now [register](#) online for either the 3-day or complete 5-day program. This certificate program is available to industrial companies who are considering and/or implementing PLM, and to PLM technology and service solution suppliers. The CIMdata PLM Certificate Program is built on CIMdata's more than 25 years of extensive worldwide experience guiding industrial companies in successfully defining and implementing best-in-class PLM strategies and tactics.

## About CIMdata

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

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

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## Company News

### *Certification for Autodesk 3ds Max Design Now Available*

21 September 2009

Autodesk, Inc. announced that certification for [Autodesk 3ds Max Design](#) software is now available in North America. Autodesk 3ds Max Design is a comprehensive 3D modeling, animation, and rendering solution that offers integrated workflows with the AutoCAD and Revit software families of products. Certification is currently available for [AutoCAD](#), [AutoCAD Architecture](#), [AutoCAD Civil 3D](#), [Autodesk Inventor](#) and [Revit Architecture](#) software in 20 countries.

Certification can be achieved only after passing a rigorous Autodesk certification exam, or series of exams. For more information about how to become certified in Autodesk software, contact your local certification center or visit <http://www.autodesk.com/be-remarkable>.

Attendees of Autodesk University 2009 will be able to take Autodesk Certification exams for free during the event. To hear from past Autodesk University attendees as to why they became certified, watch the "[Why Certify](#)" video on YouTube.

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## ***Delcam Establishes California Office***

24 September 2009

Delcam has established an office in California following its acquisition of the assets and goodwill of its reseller VIZION Technologies. All of the VIZION staff will become direct employees to ensure continuity of service to the many users of Delcam software in the state.

VIZION was founded in 1998 by Jerry Sanders to sell and support the Delcam products in the western USA. He was joined by Sheila Cullers in May 2000 to develop further the sales in the region. The company has built up a customer base of hundreds of clients, including internationally-known names in the aerospace, mould and die, medical, dental, consumer products, athletic shoes and sports equipment industries.

Commenting on the decision to move to a direct office, Delcam Managing Director Clive Martell said, "VIZION's staff has enjoyed considerable success in building up and supporting a large and diverse customer base for Delcam's products. To expand the organization and achieve even more business in the state, we felt that considerable investment was needed."

"California is regularly reported to have an economy equal to many of the world's leading industrial nations," he continued. "It is particularly strong in areas such as the aerospace, healthcare and energy industries, which are all sectors where Delcam is keen to expand its business. I am very pleased that all the VIZION staff have decided to join the Delcam organization and so give us a very firm foundation to support our expansion plans."

Jerry Sanders was confident that the change in status would benefit his customers. "All of us at VIZION are extremely excited about the opportunities that will come from our closer relationship with Delcam," he said. "As part of the world's leading specialist CAM company, we will be able to provide our loyal customers with even stronger support."

He was also keen to stress the continuity that will be maintained for his clients. "Our team will continue to work out of our Pasadena office as Delcam plans its expansion on the West Coast," he stated. "Our customers will still call the same numbers and still talk to the same people for all their sales and support needs."

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## ***EDS, an HP Company, Becoming HP Enterprise Services***

23 September 2009

HP today announced that EDS, an HP company, will become HP Enterprise Services.

The name change marks the next major step in a year-long integration of EDS into HP and emphasizes the growing global role of enterprise technology services in HP's portfolio.

"Our clients expect us to harness the full power of HP's portfolio to solve their business challenges," said Joe Eazor, senior vice president and general manager, HP Enterprise Services. "Today we are combining the strong services brand equity that EDS has built over the last 47 years with HP's technology leadership to become the leading IT services provider. We will continue to deliver the same service excellence that our clients have come to expect."

To reflect the positive impact the EDS acquisition has made in expanding the breadth and depth of HP

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capabilities, the Technology Solutions Group will be renamed the HP Enterprise Business. This group is focused on business and government organizations of all sizes. In addition to enterprise services, its portfolio includes servers, storage, software, networking and technology services.

During the third quarter of fiscal year 2009, the HP Enterprise Business accounted for 47 percent of the company's revenue and 60 percent of its non-GAAP operating profit. (1) All HP Enterprise Business units will continue to report to Ann Livermore, executive vice president of HP.

"Customers are facing tough challenges in their technology environments," said Livermore. "Challenges such as a rigid infrastructure, increasing applications and information complexity are restricting the speed in which IT can add value to the business. HP is the best at helping customers manage and transform their technology environments to deliver better business outcomes."

(1) Q309 GAAP operating profit was \$2.17 billion. Q309 non-GAAP operating profit was \$2.97 billion. Q309 non-GAAP operating profit excludes \$800 million of adjustments on a pre-tax basis related primarily to the amortization of purchased intangible assets, restructuring charges and acquisition-related charges. HP's management uses non-GAAP operating profit to evaluate and forecast HP's performance before gains, losses or other charges that are considered by HP's management to be outside of HP's core business segment operating results. HP believes that presenting non-GAAP operating profit in addition to GAAP operating profit provides investors with greater transparency to the information used by HP's management in its financial and operational decision making. HP further believes that providing this additional non-GAAP information helps investors understand HP's operating performance and evaluate the efficacy of the methodology and information used by management to evaluate and measure such performance. This additional non-GAAP information is not intended to be considered in isolation or as a substitute for GAAP operating profit.

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## ***JT is ISO Standard***

September 2009

On September 18th the ISO stated officially that the JT specification has been accepted for publication as an ISO Publicly Available Specification (PAS). The ProSTEP iViP Association, in cooperation with the VDA (German Automotive Association), was significantly involved in this step.

By publishing JT as ISO PAS the major precondition for a broad application of JT in the industry is fulfilled. At this point we would like to thank all other enabling companies and organisations.

The JT ISO PAS covers the already for download available JT version 8.1b, including the Parasolid XT Format necessary for the representation of the geometrically exact XT BREP within the appendix.

Right after the announcement that JT will become a standard the VDA and ProSTEP iViP launched 2 projects beginning of 2009 for forming a solid basis for the application of JT.

Within the so-called JT Workflow Forum representatives of well-known user companies specified use cases and requirements addressing the JT format, the related translators as well as the processes. Until today, already 15 use cases are documented - ranging from Supplier Integration, to DMU, to Digital Manufacturing. Further use cases will be defined in 2010 (e.g. long-term archiving).

Based on the results of the JT Workflow Forum currently a JT Benchmark is conducted. Here, the data exchange quality of JT-Translators from Theorem, T-Systems, CT Core Technologie, and Siemens PLM

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in combination with CATIA V5 R19, Pro/ENGINEER Wildfire 4.0, NX 5, and MircoStation V8 XM are put to the acid test. The results of the benchmark will be published January 2010. For 2010 a successor of this JT Benchmark is planned.

Beside this, for assuring interoperability with regard to JT data exchange a JT Implementor Forum is planned for 2010.

Additionally, the ProSTEP iViP Association recently published the White Paper "[Applying JT](#)" for its members in order to offer guidance for using JT in practice.

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## **About the ProSTEP iViP Association**

The ProSTEP iViP Association is an international branch-specific community comprising leading companies in the automotive and aerospace industries, system vendors and research institutes. The aim of the ProSTEP iViP Association is to find solutions for the challenges facing the manufacturing industry as a result of networked collaboration in a worldwide development network.

A concept based on a coherent, cross-organizational and cross-domain view of data, processes and systems provides a solid foundation for meeting these challenges. The Association's five main areas of focus reflect this approach: process management, system integration, product data standardization, engineering collaboration and knowledge transfer.

The ProSTEP iViP Association is headquartered in Darmstadt, Germany, and was founded in October 1993 by 38 industrial companies and a number of system vendors as part of the German STEP initiative. Members of the ProSTEP iViP Association currently include about 200 companies and organizations from 17 nations.

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## ***Microdesk First To Provide Autodesk LandXplorer Infrastructure Planning Tool***

22 September 2009

AECO industry consultant and Autodesk Premier Solutions Provider, Microdesk, Inc., is the nation's first authorized provider of Autodesk LandXplorer. With this new product offering, Microdesk can now provide designers, developers, and communities with a new state-of-the-art tool to visualize the impact of building and infrastructure projects before they are built.

Autodesk LandXplorer software integrates geospatial, civil engineering, computer-aided design (CAD), building information modeling (BIM), and utility network details to allow design firms, urban developers and cities to create compelling simulations and visualize the impact of proposed projects.

"Autodesk LandXplorer will improve the way urban developments are planned, designed and built," said Microdesk President Michael DeLacey. "This new product expands our solution offerings and allows us

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to deliver increased value to our clients - the designers, constructors and owners of buildings and infrastructure. And perhaps more importantly, with LandXplorer we are able to deliver value to the general public who use these facilities."

With this new tool you can fully visualize a city model in a 3-D environment. This allows the public to explore and interact with the model, enabling them to actually experience proposed city development scenarios. To date, planners have relied on costly physical models and animations to provide the same level of communication and insight but without the interactive nature of LandXplorer.

This technology will also allow city governments to better understand how their design decisions, policies and proposals will impact the urban environments they are creating. The result will be greater stakeholder collaboration, better decision-making, significantly reduced development costs, and more sustainable urban environments.

Microdesk provides visualization solutions, as well as business process, BIM, CAD, GIS and FM software and consulting to the architectural, engineering, construction, GIS, and facility operations industries. Its services also include commercial-level desktop and web-based software development for design automation, geographical information systems and building facilities management.

[Microdesk](#) is a design technology consultancy with 13 offices nationwide that provides the AECO and Manufacturing industries with consulting, implementation, support, and training solutions using today's leading technology products from Autodesk, Google, Oracle, Adobe, ESRI, and Microsoft. For more information, visit <http://www.microdesk.com>

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## ***Oklahoma State University's Apparel Design and Production Program Receives In-Kind Software Grant from Siemens PLM Software Valued at Nearly \$20 Million; Largest-Ever for the Program***

21 September 2009

[Siemens PLM Software](#) announced an in-kind software grant with a commercial value of nearly \$20 million to the Apparel Design and Production program within the Department of Design, Housing & Merchandising at Oklahoma State University (OSU) to enrich their product development and merchandising curriculum. The in-kind software grant, the largest in the department's history, will provide training for students preparing to enter the workforce.

The grant was presented to OSU during The American Apparel & Footwear Association (AAFA) event at the Fashion Institute of Design & Merchandising (FIDM) in Los Angeles. AAFA is the national trade association representing apparel, footwear and other sewn products companies, and their suppliers, which compete in the global market.

The in-kind grant was made through the Siemens PLM Software [Global Opportunities in Product Lifecycle Management, or GO PLM™](#), program and includes product development software, student/instructor training and specialized software certification programs.

Siemens PLM Software technology addresses the challenges faced by apparel and footwear manufacturers and retailers. [Teamcenter® software](#), Siemens PLM Software's digital lifecycle management portfolio delivers a solution that is ready to use "out-of-the-box" to help retailers and manufacturers increase speed-to-market and reduce costs by streamlining processes and workflow management; enhancing communication and collaboration; and increasing visibility on a global scale.

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"Siemens PLM Software clearly realizes the important responsibility industry has in contributing to higher education," said Dr. Cheryl Ann Farr, professor, Department of Design, Housing & Merchandising, OSU and representative to the AAFA Human Resource Leadership Council. "OSU is very pleased to receive the grant. By utilizing the same world-class product development tools that leading-edge companies use, we're strengthening our curriculum and ensuring that our students gain the essential knowledge and practical experience necessary to prepare them to enter the workforce.

"OSU's apparel design and production program alumni have rewarding careers with many of the leading companies in the industry. Thanks to the educational opportunities provided by Siemens PLM Software's grant, prospects for future graduates will continue to be promising," added Farr.

"Apparel and footwear manufacturers and retailers face the complex challenge of delivering the right styles to market at just the right time, and doing that many times per year," said Dan Staresinic, senior director, consumer products, retail and life sciences, Siemens PLM Software. "It's clear that today's best students in top programs, like the program at OSU, benefit through opportunities to gain experience with technology that supports these objectives. This GO PLM grant will help students at OSU learn the tenets of good product development on the same PLM software technology that is used by industry leaders for on-trend, on-time execution."

## **OSU Apparel Design and Production Program**

Oklahoma State University's Apparel Design and Production program curriculum has been approved by the AAFA Human Resource Leadership Council since 1997. For the 2008-2009 academic year there were 431 undergraduate and 36 graduate students in the department. An outgrowth of the department is the Institute for Protective Apparel Research and Technology (IPART). IPART provides employment opportunities for apparel design and production students to have real world product development experience while completing their degrees. IPART partners with government and industry to develop and evaluate sewn products.

For more information on GO PLM and the partners and programs it supports visit [www.siemens.com/partners/goplms](http://www.siemens.com/partners/goplms).

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## ***Shane Cumming Appointed Director of Lawson APAC Fashion Segment***

19 August 2009

Lawson Software today announced that Shane Cumming has been named director of Lawson's fashion vertical in the Asia Pacific region. Cumming will head Lawson's fashion sales and strategic initiatives in the Asia-Pacific, supporting Lawson's move to align its focus according to core verticals in the region. He reports to David Hope, general manager and regional managing director, Lawson Asia-Pacific.

Cumming joined Lawson in 2002 and was most recently the company's regional director of the Greater China region. "Lawson is a global player in the apparel and footwear ERP software industry and we have many notable fashion customers in the Asia-Pacific region," said Cumming. "I look forward to my new role in strengthening the regional business for this industry."

"The fashion industry is a dynamic one with unique characteristics. Shane has already built up a commendable portfolio in this area and I am confident of his ability to take his responsibilities one step further with this new appointment," said Hope.

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Prior to joining Lawson, Cumming spent two years with a startup establishing an integrated electronic bill presentment and payment business. He was also previously with IBM and has worked and lived in Asia since 1993. In his new role as director of Lawson Fashion in the Asia-Pacific, he will lead a team comprising sales, marketing and consulting dedicated to the fashion industry across the region.

Lawson's customers in the fashion industry include TAL Group, Elegant Prosper, Getz Bros, R.M. Williams and Brandix.

Lawson recently announced that its new strategic direction in FY10 was to align its organization structure according to key industries such as fashion, F&B, equipment service management and rental (ESM&R), manufacturing and distribution, healthcare and government.

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## ***Technia Enters Into Partnership with Integware Inc.***

21 September 2009

Technia and Integware Inc announced an expanded partnership agreement that enables Integware to distribute and support Technia Value Components (TVC) in North America. At the same time, Integware has committed to provide Technia with a strategic support for selling Dassault Systèmes' ENOVIA Life Science Accelerator (LSA) in Europe and Middle East.

Technia Value Components are designed to help companies improve end user productivity and reduce implementation time of Dassault Systemes ENOVIA PLM solutions.

The ENOVIA Life Sciences Accelerators manage quality issues, compliance adherence, NPI and change control for life sciences companies.

"The addition of LSA to our portfolio will further enhance our position as a key provider of Product Lifecycle Management solutions in the Life Sciences Industry and it will add greater business value to our enterprise and our trading partners," says Ylva Berg, CEO, Technia AB.

"The LSA agreement with Technia is an important opportunity for us to strengthen our presence in the Nordic and European regions," says Chris Key, CEO of Integware Inc., "and promote TVC's to our customer base, to enhance end user productivity and adoption rate."

For more information

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## ***Tim Fortier Named IFS North America Vice President of Sales***

21 September 2009

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IFS has announced that Tim Fortier has joined the company as the Vice President of Sales. He will be working from the IFS North American headquarters in Itasca, Ill.

Fortier brings to IFS almost 20 years of progressive sales and management experience within the software industry. Fortier's experience has included other enterprise resource planning (ERP) companies such as J.D. Edwards, PeopleSoft, AFS Technologies and most recently Borland Software.

He holds a master of business administration (MBA), majoring in management and finance, from Keller Graduate School of Management, and a bachelor's degree in computer science from Purdue University.

"Tim's role in sales is important to our continued growth strategy," IFS North America President and CEO Cindy Jaudon said. "[In June we reported improved EBIT and strongest cash flow to date](#), and Tim's deep industry knowledge and commitment to help prospective customers find business value in IFS Applications will help to continue this sales growth and ensure further success."

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## ***VX Corporation Donates Integrated CAD/CAM Software***

17 September 2009

VX Corporation and its exclusive distributor in Asia, [Machineware](#), has donated 60 licenses of their comprehensive CAD/CAM solution, VX End-to-End with 5 Axis, to Samutsongkhram Technical College (S.T. College) to help teach students a full range of design and manufacturing disciplines. The donated software contains all of the functions of the full commercial product.

S.T. College is a technical and vocational college located near Bangkok

"The teachers love VX CAD/CAM," said Hiroshi Shimizu, Director of Machineware, "but, equally important, they love to teach VX." It is quickly spreading amongst the teachers. The number switching to VX from their current software continues to grow as they experience VX CAD/CAM's contagious power, rich features and ease of use.

This gift is part of VX Corporation's (<http://www.vx.com>) commitment to support the use of technology in education. State of the art CAD/CAM software better equips teachers and students, allowing them to maximize their educational efforts. "Since design through manufacturing is built into one product, students and teachers profit by being able to focus on teaching and learning manufacturing and engineering concepts," said Bob Fischer, VX Vice President of Sales and Marketing, "They spend less energy learning how to interface with CAD/CAM software and more time on process improvement." Educational institutions and students alike will benefit from VX's learning system, Show-n-Tell™. Users can work at their own pace, not that of an instructor, so no one gets left behind. Show-n-Tell™ is built into VX CAD/CAM for on screen step-by-step lessons that work like a 3D book. Users can step back and forth through tutorial steps with a click of a button.

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## Events News

### ***Advances in Sescoi's WorkNC automated CAM/CAD demonstrated at EMO***

22 September 2009

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This October, the WorkNC V20 automated CAMCAD system will be demonstrated, alongside the WorkXPlore 3D high-speed collaborative viewer, at the [EMO show](#) in Milan by WorkNC Italian distributor, [Taglio](#) (PAD9, Corsia B, Booth B16).

WorkNC's developer, Sescoi, puts a considerable amount of effort into ensuring that its software is automated, intelligent and easy to use, and Version 20 is another major leap forward in decreasing the skill levels required to program complex components. The benefits for users are that parts can be programmed quickly and to a consistently high standard, a broader range of employees can successfully use the software, and engineers can use the time saved to make productivity improvements elsewhere in the production process.

At the EMO show, Taglio's WorkNC engineers will be on hand to demonstrate a range of time-saving new toolpaths in WorkNC V20, including Global Finishing and interactive drilling, together with spiral finishing and lollipop cutter support for 5-axis machining operations. The new Global Finishing routine is the next logical step for Sescoi, following the success and recognition of the excellence of its Global Roughing toolpath, released last year. The new routine automatically recognizes surface topology, applying the most appropriate combination of cutter trajectories to achieve the best possible finish in the shortest possible time.

5-axis machining offers many potential savings such as completing parts in one operation and the use of shorter and more rigid cutters for reliability and quality. Sescoi applied its "ease of use" strategy to this complex programming task. On the Taglio booth at EMO, visitors can see how a part can simply be programmed in 3-axis and converted into a collision free 5-axis toolpath by WorkNC's Auto 5 module. The addition of lollipop cutter support in Version 20 further extends the capability of the software, making it easier to machine tubes and undercuts.

Visitors to EMO involved in product design, development and manufacture, will be able to request a live demonstration of WorkXPlore 3D on the Taglio booth. This collaborative viewer is aimed at significantly shortening the product design and manufacture cycle. The high-speed software can import and manipulate very large CAD files from a wide variety of systems, sharing the information throughout a company and its supply chain, and allowing users to check, mark-up and analyze key elements of the design. Simultaneous involvement of more people in design and manufacture speeds up the whole process and makes the best use of the wide range of skills available within an organization, enabling products to be delivered faster, to a higher quality and functional standard, and at lower cost.

Sescoi's software has been developed to provide solutions to real everyday manufacturing problems. Automation and simplification of the complex tasks involved eliminates potential delays, errors and cost overruns. By helping companies to achieve trouble free production Sescoi's automated solutions can make a real difference to profitability.

See Sescoi solutions on the **Taglio** booth (PAD9, Corsia B, Booth B16).

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## ***CimatronE to Power Live Cutting of Complex Mold and Die Components at EMO***

24 September 2009

Cimatron Limited announced that it will partner with AgieCharmilles at EMO 2009, in Milan.

The latest version of CimatronE will be displayed in Cimatron Group's booth (Hall 9, Booth A12). Additionally, CimatronE will program the cutting of components for mold and die making on a Mikron

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5-Axis high speed machine and a Mikron high performance machine, in the GF AgieCharmilles booth (Hall 7, Booth F13).

CimatronE will program the cutting of a punch component of a die tool, made out of 60HRc hardened steel, on the Mikron HPM600 HD high performance machine. The cutting will showcase the ability to cut contours at an accuracy of 5 microns in high performance mode, allowing tool makers to cater for demands on accuracy while reducing cycle time significantly, even when cutting extremely hard metals.

GF AgieCharmilles will use CimatronE's 5-Axis capabilities to power its high speed Mikron HSM400U 5-Axis Machine. The machine will manufacture a tungsten copper electrode.

5-Axis milling enables the use of a shorter, more robust tool, resulting in precise cutting with a high polish-free surface quality.

CimatronE is optimized for the design and manufacture of molds and dies, with modules that include 5-Axis milling (for tool making as well as manufacture of discrete parts), micro milling (for extremely accurate cutting) and electrode making.

Version 9.0 of CimatronE, which includes new enhancements that decrease cycle times and facilitate a more efficient design and NC programming process, will be on display in the Cimatron Group booth alongside GibbsCAM, Cimatron's additional product line, developed for production milling and turning.

"GF AgieCharmilles are keen to show visitors the level of surface quality and accuracy their machines can achieve with even shorter cycle times, and we are glad that our software is facilitating these results," said Danny Haran, CEO of Cimatron Ltd. "EMO is an opportunity for Cimatron to prove the effectiveness of its software on the industry's most advanced machines, live, in front of an audience."

[Cimatron](#) Group's booth at EMO and its collaboration with Machine Tool Vendors will be facilitated by its Italian subsidiary Microsystem.

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## ***Delcam CRISPIN to Show Complete Footwear CAD/CAM in Casablanca***

24 September 2009

Delcam CRISPIN will demonstrate its CAD/CAM system for the design and manufacture of footwear at the Marocuir exhibition to be held in Casablanca from 8th to 10th October. The company is the only supplier able to provide both design and manufacturing software for lasts, uppers and soles. This comprehensive software range is a major contributor to Delcam CRISPIN's position as a leading global supplier of CAD/CAM solutions to footwear manufacturers.

New and improved versions of the software will be on show for each stage of the product development process. For example, the latest release of the ShoeDesign module has a new interface, simplifying the design of upper components by sketching onto the surface of the last. The components can be defined in any colour and in a variety of textures representing different materials. Buckles, laces and other accessories can be added to complete the design.

Once the virtual 3D design has been approved, the upper components are flattened and engineered in the 2D Engineer software to produce samples or graded manufacturing patterns. Again, recent developments have seen these modules made faster and easier to use.

A more recent addition to the range is TechPac – a 2D system to generate technical packages for

# CIMdata PLM Industry Summary

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footwear designers to supply to their manufacturing partners. TechPac allows designers to specify the manufacturing processes to be used and the sequences of operations to be followed at all stages of the production of the shoe. It helps ensure that the design is produced exactly as specified and to the required delivery schedule.

The system is supplied with pre-defined templates to specify the path for the flow of manufacturing data during production. These templates can be modified by the user to cover any specific requirements of the design and manufacturing companies, or of the particular project. 2D part geometry, models and images can be imported into the documentation from the full range of Delcam CRISPIN software.

Using Delcam CRISPIN's software to automate routine procedures increases consistency and reduces the possibility of mistakes throughout the development process. In particular, accurate grading of last, sole, tread pattern and heel gives perfectly matched components, thus easing assembly and finishing operations, and reducing failures in use.

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## ***DMG and SESCOI Join Forces to Demonstrate High Speed 5-Axis Machining in China***

25 September 2009

A 2 day seminar event organized by DMG China and [SESCOI](#) has enabled the two companies to demonstrate the benefits of high speed 5-axis machining, as well as some techniques for automated 5-axis programming made possible by the WorkNC automatic CAM/CAD system's "Auto 5" module. Held at DMG's Chinese machine tool showroom earlier this month, the companies welcomed a large number of senior engineers from leading national and private businesses in the moldmaking industry from the Shanghai, Wuxi, Suzhou and Kunshan regions.

Until now, 5-axis machining has not been widely adopted in China due to the perceived difficulty in implementing the technology and producing reliable cutterpaths. Its use in China has mainly been limited to 5-axis engraving and simple raster toolpaths. On the other hand, SESCOI's WorkNC 5-axis technology has been widely adopted in many parts of the world. The WorkNC Auto 5 module simplifies programming by allowing parts to be programmed in 3-axis and then automatically changing the paths to full 5-axis, bringing the generation of far more comprehensive toolpaths well within the capabilities of most companies.

Participants watched the machining of a mold cavity on a 5-axis DMG HSC 105 linear machine. This machine is capable of acceleration of up to 2g, thanks to its dynamic linear drives, and rapid feedrates of up to 90m/min resulting in 20% productivity improvements.

To maximize efficiency and take full advantage of the capabilities of the DMG, the WorkNC software considers the kinematics of the machine and its tools, avoiding collisions during the programming phase. Flip and rotate moves are automatically introduced when axis limits are reached, and toolpaths are altered where the cutter length is too short. The software also uses high speed machining techniques such as trochoidal machining, corner smoothing, and minimization of retract and feed-in movements to optimize the cutting conditions and shorten the machining time.

Users have control over how the automatic 3-axis to 5-axis conversion takes place, with nine strategies including normal to a surface, constant angle and guide surface to achieve the exact result required. Verification and collision checking takes place as the part is being programmed, ensuring that the finished cutterpath is completely reliable and that all areas of the cavity have been machined

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successfully and to a high quality.

Intelligence within WorkNC automatically selects machining parameters, so even the generation of the 3-axis paths ready for 5-axis machining is extremely simple, saving programming time, ensuring consistent results and making shop floor programming realistic and achievable.

The engineers attending the seminar in China could see that by using WorkNC to program the DMG they could realize its full potential, making best use of its high speed capabilities, increasing tool life, finishing mold cavities completely in one operation, and achieving far higher quality standards.

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## ***GibbsCAM MTM, New Rough Milling & 64-bit Version of GibbsCAM Will be Highlighted at EMO 2009***

21 September 2009

Gibbs and Associates announced that it will demonstrate its complete GibbsCAM MTM (multi-task machining) solutions at EMO, the world's largest trade show dedicated to metalworking equipment and productivity, this year held in Milan, Italy, from October 5-10, 2009. The company will also highlight new rough milling additions and its new 64-bit GibbsCAM, among many new product features. GibbsCAM will be showcased in Cimatron Group's booth (Hall 9, Booths A10 and A12), with additional demonstrations in exhibits of several machine tool partners who build both "standard" and Swiss style multi-task machines.

"We expect MTM solutions to generate the most interest at this year's EMO because, efficiently programmed, multi-task machines provide huge improvements in productivity," says Bill Gibbs, Gibbs and Associates company founder and president. "The ability to execute multiple operations in a single set-up, on a single CNC machine, allows optimizing profitability, especially necessary during the current worldwide recession."

GibbsCAM MTM software fully supports all the functions available on standard multi-task machines and Swiss style machines, including subspindles, live tooling, Y-axis on all turrets, multiple turrets doing simultaneous machining, synchronization to optimize turret utilization and cycle times, and full 4- and 5-axis simultaneous machining, through its standard programming features and over 750 MTM postprocessors. GibbsCAM MTM also includes Cut Part Rendering, an integrated toolpath verification module. Furthermore, toolpaths generated with GibbsCAM MTM can be fully simulated, dynamically, with GibbsCAM Machine Simulation for visual verification and collision detection and avoidance.

"The need for lower costs through more efficient machining has never been higher," adds Bill Gibbs. "As one of the first to provide integrated CAM software for MTM, with continuous enhancements to make CNC programming faster and more efficient for turning, milling and MTM, we anticipate a high interest in GibbsCAM software at EMO."

Among enhancements to be demonstrated for GibbsCAM milling applications are new features for Plunge Roughing, which will make productivity gains in roughing operations more efficient with flexible programming options. Most important to users is that Plunge Roughing is no longer a GibbsCAM plug-in, but a fully integrated "process" within GibbsCAM. In addition to linear toolpaths with cutting direction at any angle, users can now create circular patterns, patterns between two guide curves, and contour patterns. To minimize tool wear, a "pull-off" retraction has been added. Expanded functionality of core or cavity selection already in GibbsCAM, is now available within Plunge

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Roughing. Plunge Roughing allows the specification of containment regions by defining containment surfaces, containment geometry or using the stock bodies to localize areas for machining. The new integrated Plunge Roughing capability is included in the latest version of GibbsCAM.

Gibbs and Associates will also demonstrate the new 64-bit release of GibbsCAM. The 64-bit version will enable users to work with much larger files and to achieve faster and more accurate results with certain toolpath generation, postprocessing and graphic intensive functions. It will also enhance efficiency and accuracy in evaluating machining operations with the toolpath rendering and machine simulation modules, in addition to providing full compatibility with 64-bit CAD systems, such as SolidWorks, Solid Edge and Autodesk Inventor, which are all Gibbs Partner products.

For more information about GibbsCAM, or to locate your local GibbsCAM reseller, go to <http://www.GibbsCAM.com>, call 1-800-654-9399, or email [info@GibbsCAM.com](mailto:info@GibbsCAM.com).

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## **JETCAM at EMO, Milan - October 2009**

September 2009

JETCAM will be showcasing the latest release of its Expert CAD/CAM and nesting software alongside its new material management and application server suite at booth 18 – D29 at EMO in Milan from 5th through 10th October.

After 23 years of development, the latest version of JETCAM Expert will be presented, with new features such as remnant sheet management, more interfaces to CAD systems and further improvements to nesting efficiency.

JETCAM will again be offering companies a free nesting benchmark comparison, where they can compare the efficiency of JETCAM over their current nests. The results of this can often demonstrate a clear return on investment of months, without factoring other savings such as reductions in machine runtime or staff time.

The company will also be showcasing its forthcoming Material Life Management (MLM) module, the first to be used with JETCAM's Application Server system. MLM can be used to track the movement of either rolls or sheets of material, such as composite or sheet metal, through the cutting process and onto the finished part. This is extremely important for companies where traceability is paramount.

JETCAM's Application Server allows modules such as MLM to interact in real time with other modules, providing live data to all relevant staff/systems within the production process. This includes CAD, works orders lists, reporting and integration to legacy data systems such as MRP.

Maurizio Zinetti, Managing Director of Jetcam Italia srl, commented: "EMO offers us the chance to present our new products to the market. We want to offer to the customers the opportunity to increase their productivity, by investing in innovative software that will simplify and automate the process. Companies are concentrating now more than ever before on efficiency, and we feel that during this event JETCAM will suggest solutions for unique changes."

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## ***Join Cadence at CDNLive! Silicon Valley***

23 September 2009

Cadence Design Systems, Inc. is bringing its Silicon Valley-based CDNLive! user forum to designers worldwide through a unique combination of live on-site and online customer presentations, workshops and tutorials.

The theme of this year's conference is Energize! Guests who register for CDNLive! Silicon Valley online can utilize the efficiency of the Internet to interactively learn about the latest methodologies and support for emerging design projects at both leading-edge and mainstream process technologies.

While design budgets remain tight, engineers working on today's tough design challenges still need to stay ahead of the technology curve. The Web-based CDNLive! conference enables an even greater number of guests to present and participate - without anyone breaking the company bank. It allows attendees to see presentations either in person in San Jose, or online from the convenience of their home or office.

The online CDNLive! Silicon Valley event takes place Oct. 5-16, 2009, and will be hosted from the company's San Jose headquarters. With the goal of bringing together the global EDA user community, Cadence will offer sessions both on site and via webinars, with online discussions, technical presentations and tutorials specifically tailored for EDA users.

These technical sessions provide an excellent opportunity for users to interactively share their work and present their papers to an even larger audience. In addition, on-site participants can network with Cadence customers and executives, as well as participate in the online discussions covering the latest design topics and trends.

View the full agenda at <http://www.cadence.com/cdnlive/na/2009/pages/agenda.aspx>

Registration is now open and attendance for all webinars is free. Complimentary lunch will be provided to attendees joining the event in San Jose. Registration requires you to log in using your Cadence.com account. If you don't have a Cadence account, you can [create one here](#).

CDLive! Silicon Valley Registration Page: <http://www.cadence.com/pages/registration.aspx>.

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## ***Mercedes-Benz, John Deere and Labinal to deliver keynotes at the 2010 International LMS Simulation Conference***

21 September 2009

LMS announced the keynote speakers at the 2010 International LMS Simulation Conference to be held at the Munich Airport Marriott Hotel in Munich, Germany on February 24th and 25th. The conference will host Dr. Bernd Pletschen, Manager Mercedes-Benz Cars Development for NVH, Driving Comfort and Aerodynamics, Mr. Christian von Holst, Manager for Simulation John Deere Europe, and Mr. Catalin Perju, Technical Director at Labinal, a SAFRAN subsidiary, as keynote speakers.

The conference will focus on "engineering smarter products for a greener future" and on the way simulation helps the industry respond to current global business drivers: engineering innovative products with unique brand values as well as reduced energy consumption and positive environmental impact, innovating product design by integrating the ever-increasing number of mechatronic systems and

optimizing engineering processes to reduce time-to-market.

The two-day conference is the ideal venue to discover real-life business applications and the latest technological evolutions presented by leading industry experts, and to experience simulation applications and products from LMS and its partners. The conference will bring together simulation specialists, engineering executives, senior managers, and technical experts who will share strategies and present real-life business cases that illustrate how simulation, supported also by continuous progress in physical testing, has helped them optimize their products and product development processes.

Please visit <http://www.lmsintl.com/lmsconferences> for more information, early bird registration, and practical details about the 2009 International LMS Simulation Conference.

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## ***Product Lifecycle Management (PLM) for Financial Services***

September 2009

**Banking briefing: TUESDAY 27th Oct 09**

**Insurance briefing: WEDNESDAY 28th Oct 09**

Product Lifecycle Management (PLM) has become a key business approach, facilitating innovation and driving product development. Join Oracle and Hitachi Consulting to see how the rules of PLM can be applied to your Financial Services Organisation.

### **Benefits of attending this briefing**

This breakfast workshop is designed specifically for Financial Services experts to understand where PLM can deliver tangible results to their business by bringing products to market on time and within budget.

There will be examples of how PLM can be applied to Financial Services to reap the benefits of faster time to market to steer your business through this period of recession.

In just a few hours this interactive workshop will show you how PLM can help you:

- Bring products to market faster and more cost effectively: 20% lower development costs and reduction in development cycle time
- Manage your existing product portfolio more profitably: Reinvigorate, enhance or cull products in a controlled manner to respond to changes in customer behaviour, the market or strategic direction
- Automate regulatory compliance: Driven by workflow and evidenced with instant audit and reports to regulation scrutiny standards with preparation time for inspections reduced by 80% All attendees have the opportunity to claim three free days of consultancy to highlight where you can make cost savings and increase efficiencies in your business.

### **Five reasons to attend this briefing:**

1. UNDERSTAND how PLM works for Financial Services and identify how to build a business case to demonstrate how smarter PLM can help your business survive the recession
2. DISCOVER what steps well managed Product Development teams are taking to improve performance, reduce time to market and keep within budget

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3. SPOT what improvements you can make in your own Product Development strategy to reduce development costs, ensure regulatory compliance and capture customer feedback
4. Q&A the keynote speakers and discuss with your peers how successful PLM can contribute to the bottom line
5. FREE CONSULTANCY – attendees can claim three free days of PLM consultancy with our industry experts to show you where improved PLM will deliver value to your business.

## Agenda

08:00 Registration opens—breakfast & networking

08:30 Welcome

08:35 What is PLM?

How PLM can help banking or Insurance deliver revenue and increase market share

Chris Barrett, Senior Manager Financial Services , Hitachi Consulting

09:15 Financial Services PLM Customer Journey for banking or Insurance

Mark Hyde, Senior PLM Consultant, Oracle

09:45 Coffee and networking

10:30 Close

The venue

## Hosted by Hitachi Consulting at Oracle's central London office:

One South Place

6th Floor

Westminster Room

London

EC2M 2RB

Location map: [http://www.oracle.com/global/uk/corporate/locations2/maps/oracle\\_london.pdf](http://www.oracle.com/global/uk/corporate/locations2/maps/oracle_london.pdf)

How to register

There are limited spaces for each day so to secure your place please contact Zoë Merchant on:

M 07855 481478

T 0208 528 1025

email: [zmerchant@hitachiconsulting.com](mailto:zmerchant@hitachiconsulting.com)

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***VISTAGY CEO Steve Luby Will Present “Realizing the Full Potential of Composites Across Industries” at the CompositesWorld Expo Next Week***

24 September 2009

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Steve Luby, founder, president and CEO of VISTAGY, Inc., will present a talk entitled “Realizing the Full Potential of Composites Across Industries” at [CompositesWorld Expo 2009](#) in Schaumburg, Illinois on Monday, September 28 at 8:30 AM.

Mr. Luby founded VISTAGY in 1991 and has helped pioneer the efficient use of composites in a variety of industries, including aerospace, high performance automotive, marine and wind energy.

Composite materials provide all kinds of potential benefits, but there’s a higher degree of complexity in working with composites than with more traditional materials, such as metal. So it is critical to have the right tools and methodologies if you expect to maximize the value of composites. For instance, they can be used to enhance performance; reduce weight, part counts and assembly costs, and improve durability by virtue of being fatigue and corrosion-resistant. The irony is that when manufacturers achieve great efficiency with composites, they actually end up using less of them.

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## ***VISTAGY Presents Talk by ING Renault F1 Senior Engineer on Reducing Composite Cycle Times at Dassault Conference***

25 September 2009

VISTAGY, Inc., will be presenting a talk by Ian Goddard entitled, "ING Renault F1 Team: An Inside Look at Reducing Composite Cycle Times and Errors by Automating Analysis Data Transfer," on Monday, October 6, at 2:05 PM at the [Dassault Systemes Customer Conference](#) in Orlando, Florida. Mr. Goddard is a Senior CAE Engineer for the ING Renault F1 Team in Oxfordshire, UK. He is part of a small team selecting new engineering technology and supporting design and manufacture with CAD, PDM and specialist engineering software.

As part of the conceptual design process, one particularly challenging problem is the ability to efficiently transfer laminate configuration data from FEA analysis tools to detailed composite design software tools. Manual translation processes between the dissimilar software tools can take up to two weeks, and while there are other third party tools available, none seem to offer a robust integrated solution.

But with a new solution from composites software developer VISTAGY, Inc., the ING Renault F1 Team was able to automatically transfer analysis data to specialized engineering software without having to completely recreate or interpret composite ply data. As a result, the Team reused the initial ply data, seamlessly transferred composite analysis data to the design engineers, automated the manual data translation process for designing complex parts and reduced the number of errors previously introduced by a manual/partially automated translation process.

The Team ultimately reduced overall development time by 60 percent and accomplished the analysis-to-design translation in just two hours, streamlining a process that had previously been very time consuming.

Mr. Goddard graduated with a Degree in Mechanical Engineering at City University, London, UK and a Masters Degree in Computer Integrated Manufacturing at Cranfield University, UK.

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## ***Webinar: Engineering Change Orders***

September 2009

### **ECOs: What Works and What Doesn't**

**DATE: Tue. Sept. 29th, 2009**

**TIME: 11am EST**

**LOCATION:** via webex

**[REGISTER NOW](#)**

In this webinar IQS, Inc will discuss:

Process Efficiencies

Improvements and Error Reduction

Cost Reductions Through Efficiencies

Proactive Metrics

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## ***Webinar: Something Completely Different: the new ThinkDesign***

24 September 2009

Join think3 for a 60-minute live Webinar: September 30th, 2009.

The new release of think3's suite of CAD products, ThinkDesign, provides many improvements and innovative features for engineering, styling and tooling departments.

The new release includes features for the creation of frame elements for the industrial machinery market, improvements to commands for curve and surface editing, enhancements in the sheet metal functionalities and many other powerful features for the Machinery and Components sectors.

Discover the developments and improvements of ThinkDesign by joining the **think3 Webinar** on September 30th.

**Webinar:** Something Completely Different: the new ThinkDesign!

**When:** Wednesday, September 30, 2009

For Asia and Europe: 9.00 GMT (5.00 Eastern Time)

For US: 14.00 GMT (10.00 Eastern Time)

Duration: 1 hour

**How to Register:** [Click Here](#)

### **Topics:**

**What's new in ThinkDesign: the main innovative features for styling, engineering and tooling departments**

Davide Ciarloni, Senior Program Manager, think3

**A look at major features of ThinkDesign (live demo)**

Wolfgang Weiss, Technical Manager, think3

**think3 is always next to you. The full-service Customer Care**

Fabio Pensalfini, VP Customer Care, think3

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## Financial News

### ***MSC Software Postpones Special Meeting of Stockholders***

23 September 2009

[MSC Software Corporation](#) announced the postponement of the special meeting of stockholders originally scheduled for September 30, 2009. The purpose of the special meeting is, among other things, to consider and vote on a proposal to adopt the Agreement and Plan of Merger among MSC, Maximus Holdings Inc., a wholly-owned subsidiary of Symphony Technology Group (“Symphony”), and Maximus Inc. (the “Symphony Agreement”).

As previously announced, on September 21, 2009, the MSC Board of Directors received an offer to acquire MSC for \$8.30 per share in cash by private equity firms (the “New Offer”), which the MSC Board determined to be a Superior Proposal (as defined in the Symphony Agreement). MSC provided notice on September 21, 2009 to Symphony of the MSC Board’s determination that the New Offer constitutes a Superior Proposal and of its intention to terminate the Symphony Agreement and enter into a binding written definitive agreement concerning the New Offer after the expiration of the five business day notice period ending Monday, September 28, 2009 specified in the Symphony Agreement. Under the Symphony Agreement, Symphony has the right to make a responsive offer prior to the expiration of such five business day-period, and MSC may terminate the Symphony Agreement only if the MSC Board of Directors determines in good faith, after consultation with its financial advisors and outside legal counsel, that the New Offer continues to be a Superior Proposal in light of any responsive offer.

MSC will announce a new meeting date once the transaction terms are finalized and revised documentation is executed."

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## Implementation Investments

### ***Agilent Technologies Announces X-FAB’s Worldwide Adoption of IC-CAP Device Modeling Platform***

21 September 2009

Agilent Technologies Inc. announced an expansion of its [Integrated Circuit Characterization and Analysis Program \(IC-CAP\)](#) software platform at [X-FAB](#) -- a leading analog/mixed-signal foundry and expert in “More than Moore” technologies. The expansion is the result of a joint effort to train X-FAB’s IC-CAP users on the Agilent software’s measurement and extraction capabilities, including new functionality in IC-CAP 2009, as well as its application to specific X-FAB modeling needs. With the completion of this training, X-FAB has now adopted IC-CAP device modeling software at all of its locations worldwide.

Agilent IC-CAP software is a flexible device-modeling program that delivers powerful characterization

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and analysis capabilities for today's semiconductor modeling processes for DC and RF applications. Providing efficient and accurate extraction of active device and circuit model parameters, IC-CAP performs numerous modeling tasks including instrument control, data acquisition, graphical analysis, simulation and optimization. It is used by semiconductor foundries and design houses to characterize foundry processes.

Using IC-CAP and its advanced capabilities (e.g., GUI Studio), X-FAB was able to efficiently implement a customized device modeling flow that included proprietary, RF model extraction techniques and corner simulation setups. It also implemented on-target modeling, automated documentation tools and enhanced leakage modeling of CMOS transistors. Additionally, X-FAB was able to develop special IC-CAP-based applications like One-Time Programmable (OTP) memory and high-voltage CMOS transistor models.

"We are pleased that IC-CAP's flexible, easily customizable platform enabled X-FAB to implement the strategies and techniques necessary to effectively meet its device modeling goals while also realizing improved time-to-market," said Todd Cutler, marketing manager with Agilent's EEs of EDA division. "The major software/platform technology enhancements we have implemented in the 2009 release of IC-CAP will ensure that X-FAB is equipped with the most powerful and flexible device modeling platform to meet their needs for years to come."

"For the past eight years, IC-CAP has been X-FAB's workhorse device modeling tool," said Sebastian Schmidt, group coordinator of SPICE modeling at X-FAB's facility in Erfurt, Germany. "With the platform enhancements being implemented in IC-CAP 2009 and its high level of customization that enables us to easily exchange information among our worldwide fabs via IC-CAP project files, Agilent's IC-CAP software offers us the most efficient path to accurate model extraction."

For more information about IC-CAP, visit <http://www.agilent.com/find/eesof-iccap>.



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## ***Agilent Technologies' Genesys Software Speeds Sennheiser's High-End Audio Receiver Development***

25 September 2009

Agilent Technologies Inc. announced that Germany-based Sennheiser has successfully used Agilent's [Genesys RF and microwave design software](#) and [Momentum GX electromagnetic \(EM\) simulator](#) to develop a series of third-generation, wireless multichannel audio receivers for on-stage professional vocal and musical performance.

Sennheiser developed its high-end receivers of the evolution wireless G3 series, which feature excellent RF sensitivity and interference immunity, in virtually half the time it would have taken using the company's previous design methodology. Sennheiser is a world-leading manufacturer of microphones, headphones and wireless transmission systems.

Agilent's Genesys software is an affordable, high-performance RF and microwave tool specifically created for the RF and microwave circuit board and subsystem designer. Its Momentum GX is a 3D-planar EM simulator that is fully integrated with Genesys.

Using these solutions, Sennheiser developed tunable high-order filters whose pass bands are synchronized over a wide tuning range (as defined by the first mixer), without using an input low noise amplifier. EM circuit co-simulation reduced the filters' development time by allowing the EM interaction of the filter layout to be analyzed with the lumped circuit elements using Momentum GX

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integrated with Genesys' linear and nonlinear simulators. Genesys' accurate, scalable component library from Modelithics, enabled circuit optimization during co-simulation to meet exacting performance goals.

The Genesys software also enabled Sennheiser to realize a high-end audio receiver series with excellent uniform sensitivity over a wide tuning range and the superlative adjacent channel interference rejection needed for multichannel systems. Using Genesys, Sennheiser was able to:

- define and synthesize the high-order filter structure with layout implementation;
- import the actual RF filter layout and simulate with 3D planar EM simulation, via Momentum GX, to account for all layout interactions;
- perform EM-circuit co-simulation with circuit optimization for exact performance goals; and
- measure and verify the circuit against simulated design goals.

"The capabilities of Agilent's Genesys and integrated Momentum GX solutions enabled us to effectively address our toughest design challenges and meet our specs more efficiently – all within half our typical development time," said Carsten Bischoff, RF design engineer at Sennheiser R&D in Wennebostel, Germany. "Having the ability to develop more advanced and novel products, in less time, provides us a key competitive advantage and is crucial to ensuring we meet the needs of our customers."

"The highly integrated design flow enabled by Genesys significantly reduces design iterations while minimizing development cost -- key benefits for any RF and microwave designer today," said Gilbert Berger, sales executive at Agilent's EESof EDA division in Germany. "We are pleased to provide these benefits to Sennheiser and to play such a critical role in the launch of its third-generation series multichannel audio receivers."

For information about the Genesys RF and microwave design software, go to <http://www.agilent.com/find/eesof-genesys>.

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## ***Altair ProductDesign's Crashworthiness Expertise Emphasized by smart fortwo Crash Test Performance***

23 September 2009

Altair Engineering, Inc. announced that Altair ProductDesign has successfully collaborated with Daimler to achieve crashworthiness performance targets on the smart fortwo passenger vehicle through the joint development of the car's multiple safety systems. Following the successful release of the new generation of the smart fortwo in Europe 2007, the latest published results from NHTSA and IIHS show that this small premium vehicle also passed the US ratings with outstanding results.

Altair ProductDesign was chosen as a development partner for external crash, occupant safety, stiffness and durability. Within a project structure consisting of smart, Altair ProductDesign and a partner for physical testing, Altair assisted in the development of the body-in-white structure, closures and internal safety systems (e.g. seat belts, airbags etc.) to achieve compliance with regulations and ratings for two vehicle variants (Coupé and Convertible).

"Our team is very proud of our contribution to the outstanding performance that smart has delivered," said Dr Lars Fredriksson, Operations Director Altair ProductDesign Germany. "This project is a

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demonstration of our unique simulation driven vision for product development which combines our expertise and technology in a creative environment.”

In order to handle variants and load cases in modern vehicle development within required costs and time limits, Altair ProductDesign utilized a very high level of process automation, process optimization and data management throughout the project. This approach allowed, on average, an unprecedented fifty crashworthiness CAE assessments to be performed each week.

## **About Altair ProductDesign**

Altair ProductDesign is a global, multi-disciplinary product development consultancy of more than 500 designers, engineers, scientists, and creative thinkers. As a wholly owned subsidiary of Altair Engineering, Inc. ([www.altair.com](http://www.altair.com)), this organization is best known for its leadership in combining its engineering expertise with Computer Aided Engineering (CAE) technology to deliver innovation, automate processes. Altair ProductDesign firmly advocates a user-centered, team-based design approach, and utilizes proprietary simulation and optimization technologies (i.e. Altair HyperWorks) to help clients bring innovative, profitable products to market faster. To learn more, please visit <http://www.altairproductdesign.com>.



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## ***ANSYS Institute for Industrial Innovation to Open Doors for Industry and University of Wisconsin–Milwaukee Engineering Students***

21 September 2009

ANSYS, Inc. announced that it is the exclusive provider of multiphysics engineering simulation software at — and the namesake of — a new research and educational facility at the University of Wisconsin–Milwaukee (UWM) College of Engineering and Applied Science. The ANSYS Institute for Industrial Innovation (AI3) will serve as a portal for businesses seeking to partner with the College of Engineering and Applied Science on specific engineering projects. Just as important, AI3 will provide students with state-of-the-art engineering simulation software tools, enabling hands-on experience along with the opportunity to develop innovative design solutions for industry-sponsored projects. UWM chose ANSYS exclusively based on a number of factors: the Company’s expertise in the field of engineering simulation technology and its comprehensive multiphysics portfolio that can be scaled to meet users’ needs. In addition, ANSYS is the preferred simulation software provider to many corporations supplying engineering projects for the program.

“ANSYS support at the University of Wisconsin–Milwaukee will enable students to get first-hand experience working with the comprehensive product portfolio from ANSYS — the most complete engineering simulation technology available in the world. This not only benefits students and researchers by providing them with an excellent toolset, but also promotes the expansion of ANSYS technology usage once students enter the workforce,” said Paul Lethbridge, academic product strategy and planning manager at ANSYS, Inc. “From an industry perspective, the ANSYS Institute for Industrial Innovation has the opportunity to leverage Simulation Driven Product Development™ in directing the design of real-world, innovative solutions.”

The institute is also charged with increasing the college’s research links with business and industry as well as fostering economic growth and development in southeastern Wisconsin through tech transfer and industry assistance. “The first step in forging more connections with area companies involves our students and faculty participating in curricular and research programs that address local industry’s

problems or areas of interest,” said Michael Lovell, dean, UWM, College of Engineering and Applied Science. “Multiphysics simulation software from ANSYS gives us the exact tools we need to foster innovation and creativity in our students. With it, we can offer industries the flexibility and cost-savings benefits of computer simulation in investigation of engineering designs.” Lovell added that partnerships spawned at the institute will give industry access to potential new employees that are already trained using ANSYS technologies.

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## ***Cleveland FES Center Restores Movement To Individuals With Neuromuscular Disabilities Using MathWorks Tools***

21 September 2009

[The MathWorks](#) announced that the Cleveland FES Center, using tools for Model-Based Design, has developed research technology that more quickly restores movement to individuals with neuromuscular disabilities. Adopting Model-Based Design reduced the development time of functional electrical stimulation (FES) devices and enabled researchers to build customized prototypes for patients many times faster than they could do before.

FES devices restore movement to paralyzed arms and legs. They send electrical impulses to electrodes—implanted in the body, worn on the skin, or operating through the skin—to produce and control movement. Adapting the FES device for each patient was a time-consuming process, as the device software needed multiple iterations for a customized response to each patient’s needs.

The Cleveland FES Center, at Case Western Reserve University, developed the Universal External Control Unit (UECU) to address the need for tailored FES devices. With the UECU’s modular software and hardware design, research engineers in the clinic can modify a FES controller application and immediately test the results.

With MathWorks tools, teams are able to develop, test, and implement algorithms that suit specific patient scenarios, reducing the traditional development cycle for some FES functions to less than a day.

“All of our FES applications used to be built by dedicated programmers using C code,” said Robert Kirsch, PhD, Professor, Biomedical Engineering, Case Western Reserve University and Associate Director of Technology, Cleveland FES Center. “The overall process was slow because everything had to be done by our central programmers, which limited how quickly we could move from idea to implementation. MathWorks tools for Model-Based Design provide the flexibility and ease of use that enables our clinical groups to develop and refine FES applications on their own.”

“An approach like Model-Based Design is ideal for researchers and scientists who may not have an extensive software programming background but who are still involved in product design and development,” said Paul Barnard, marketing director - design automation, at The MathWorks. “The creation of industry firsts, such as the UECU, demonstrates just how critical MathWorks tools have become in the field of biomedical research.”

The UECU project involved a range of MathWorks products beyond MATLAB and Simulink , including Signal Processing Blockset , Stateflow , Real-Time Workshop , xPC Target , and xPC Target Embedded Option . More than 30 UECUs are currently in use by patients today, and over the next decade, the Cleveland FES Center aims to introduce a new technology that is a fully internal system, inside the body. This modular and expandable system is expected to provide patients with more

functionality and independence. The lab prototypes of the new system are already running programs created with Simulink and Real-Time Workshop.

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## ***CNC Metal Sees 90% Scrap Reduction with JETCAM High Performance Nesting***

21 September 2009

CNC Metal Fabrication Inc, based in Toronto, Canada was founded in 1988 and manufactures electronic instrument cabinets. They acquired their first license of JETCAM Expert CAD/CAM software with a Finn-Power punch press in 1992, but also acquired other CAM systems with other machine purchases which, over time, needed consolidating.

Chandrakant Patel, Engineering Manager explained; “We’ve replaced the first Finn-Power twice since 1992, and with each new Finn-Power machine we’ve used JETCAM without problems. We had an old CAM system which was driving another punching machine, but this had no automatic tooling capability and was difficult to use. When we purchased our first Mitsubishi laser in 1999 another system was recommended which we were advised could drive it - we were told it was the best system for laser machines, but it too proved difficult to learn and did not seem to have the same level of functionality as JETCAM. Parts sometimes require both laser and punching operations, which needed programming on two separate systems.”

By this time CNC Metal had used JETCAM Expert with High Performance Rectangular nesting to drive three Finn-Power punch presses along with a Danobat punch press, purchased in 2005. After replacing their Mitsubishi with a newer model they contacted US Distributor NestOne Solutions to see whether JETCAM could be upgraded to support it and were surprised to find that a postprocessor already existed. They decided to standardise on JETCAM and purchased postprocessors for their two licenses to drive the new laser.

Over time CNC Metal have compared JETCAM to the two other systems that they have used, with Chandrakant citing several examples of savings made because of efficiencies the software has delivered; “The biggest saving has been in programming time. The old system had no form of auto-tooling, so the process of tooling up punched parts is 50-70% faster, with programming reduced overall by around 30%. Although most of our runs are short our sheet utilisation has improved considerably, often by up to 20%, which has reduced our scrap levels by up to 90%. As JETCAM stores the tooling information on the part, not the nest, we can store both punch and laser information and then generate a nest for any of the machines immediately. Previously we used to keep NC code of old nests but we don’t need to do that anymore. Also, features received in new versions such as ‘finishing cuts’ have further reduced programming time and improved the quality and speed of getting to the finished part.”

Support has also been excellent, with Chandrakant noting the speed of remote support; “We were having difficulty trying to program one particular part so we put in a call to support. Within an hour NestOne connected to our PC remotely and showed us what to do. A month later we got a follow up call to make sure that everything was still OK - that was really appreciated.”

The company had originally purchased four licenses, but as they have taken advantage of JETCAM’s automation have reduced this to two over time. Chandrakant estimates the return on investment on the original software purchase at less than two years.

Chandrakant concluded; “When we first bought JETCAM it was top of the line, and still is. We have

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consistently found it easy to learn and use. JETCAM is a long established product and as it supports so many different makes and models of machine we know that we are not locked to any one machine brand or technology. ”

## **Benefits Achieved:**

Single CAM system to drive different brands and types of machines

Scrap reduced by 80-90%, with nests often 20% more efficient than before

No longer reusing CNC Programs - now nesting 'just-in-time'

Programming time reduced by 30%

Single geometry file stores both punch and profiling information

Easily switch any part or nest to another machine

Easy to learn

Features received under maintenance provide further benefits

Payback (on original single system) within 2 years

Excellent same day support from local distributor

Machines installed:

- [Finn-Power A5-25 Punch Press](#)
- [Danobat P1631 Punch Press](#)
- [Mitsubishi ML3015 LV Plus Laser](#)



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## ***Damen Selects IFS Applications to Improve Project Control and Streamline its Operations***

24 September 2009

Damen Shipyards Gorinchem has selected IFS project-based solutions to improve project control, increase efficiency, reduce delivery times and optimize information flows. The shipyard builds and maintains a wide range of vessels, varying from tugboats to container ships. Damen is the largest shipbuilder in the Netherlands. The initial phase of the project is worth € 1.1 million for IFS, including licenses and services.

The project-based solution from IFS is based on IFS Applications 7.5 and includes the new, intuitive IFS Enterprise Explorer user interface. The specific functionality in IFS Applications allows Damen to optimize its project and contracting management and thus reduce risks. Integration with engineering, purchasing, production and service/installation provides Damen with full insight into project progress and costs, including budgeted, committed and actual costs at any time.

This year Damen Shipyards launched a project named Dawn that aims to use the same processes, systems and master data within all product groups:

“The integrated functionality of IFS Applications and the worldwide local service and support network of [IFS](#) were the deciding factors for us when we chose the solution. Our project “Dawn’ will result in clear, common processes throughout the organization. The implementation of IFS Applications will be

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of crucial importance to make this project a success,” says Bert-Jan ter Riet, Director Production & Logistics at Damen.

IFS project-based solutions have proven to be a good fit for shipyards and oil & gas suppliers/contractors around the globe. IFS’ shipbuilder customers include STX Europe (Norway, Finland, France, Romania, Vietnam, Brazil), Austal and Todd Pacific Shipyards (USA), Babcock Engineering Services and Fleet Support Ltd (UK), Ursa Shipyards and Uzmar Denizcilik (Turkey), PT PAL (Indonesia) and Stocznia Marynarki Wojennej S.A. (Poland).

## About Damen

Damen, established in 1927, has grown to acquire a leading position in modular shipbuilding based on standardized designs, giving Damen the ability to offer its customers well-proven vessels, very short delivery times and competitive prices.

With more than 30 shipyards and related companies all over the world, Damen is involved in new construction as well as maintenance and repair activities. In addition, the company provides a broad range of associated maritime services. Damen shipbuilding activities include a wide range of products, such as tugs, workboats, patrol craft, cargo vessels, dredgers, mega-yachts and fast ferries. Product design and engineering are carried out in-house, and a broad range of designs is available. The company has 8,000 employees, of which 2,300 are in The Netherlands.

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## ***Grupo Farmasierra Selects IFS Applications to Support Global Growth***

21 September 2009

IFS announced that Grupo Farmasierra, a pharmaceutical group specializing in the development, manufacture, distribution and marketing of drugs, food supplements and cosmetics, will implement IFS Applications to streamline its business processes.

Grupo Farmasierra selected IFS after carrying out a comprehensive review of over 10 competitor solutions. Founded in 1996 the company has experienced rapid growth both in terms of size and revenue and recognized the need for an enterprise solution that provided greater visibility and control over resource allocation and to improve operational efficiency.

Juan Granados, CIO of Grupo Farmasierra said, “We have two production plants with a total capacity of 70 million finished units, distribution warehouses and a vast product portfolio. Coupled with the rapid growth we have experienced recently and our involvement in international production and development projects with world-renowned pharmaceutical companies in the US, UK, Sweden, Germany, Italy and Spain, we needed a solution that would allow us to transform our business processes and adapt quickly to customer demands and market changes.”

“IFS Applications 7.5 proved to be the best fit for us in terms of flexibility and functionality. For instance, it offers a finite capacity planner that the competitor solutions lacked and will allow us to allocate resources and materials effectively in order to streamline the supply chain, optimize output and control costs. IFS Applications was also the most standardized solution of those we reviewed making it easy to integrate with existing systems.”

IFS will provide Grupo Farmasierra with an integrated solution to provide greater insight into a number of business units across the enterprise including its finance, manufacturing, maintenance, engineering

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and HR departments. The solution will also enable Grupo Farmasierra to consolidate its several data marts into a single data warehouse.

Prior to implementing IFS Applications, Grupo Farmasierra was reliant on using numerous legacy systems and data warehouse management software. Once the IFS solution has been implemented users will be able to access and share a single, accurate and up-to-the-minute view of information related to production, sales, purchasing, manufacturing, resource allocation and other areas to facilitate effective decision making, improve operational efficiency and time to market speeds.

“The pharmaceutical industry is extremely competitive and to maintain our strong growth levels and stay ahead of the competition it’s vital we have the necessary tools to give us this level of visibility and process automation across the enterprise. A single view of information across the organization will also help us to improve performance and productivity in all areas of the business,” commented Tomás Olleros, President of Grupo Farmasierra.

Enrique de Miguel, Commercial Manager of IFS, Spain said, “The pharmaceutical industry continues to see growth in the recession and competition remains as high as ever. Technology plays a key role in setting businesses apart from their rivals by generating efficiencies, improving productivity and adding value to the bottom line. We look forward to working with Grupo Farmasierra, this is a key project for IFS in Spain and will be the first Spanish roll-out of the new user interface, IFS Enterprise Explorer.”

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## ***Linear Technology Adopts Broad Range of Cadence Mixed Signal Design Technology***

22 September 2009

[Cadence Design Systems, Inc.](#) announced that Linear Technology Corporation, a leading supplier of high performance analog integrated circuits for communications, computer, automotive, and industrial companies worldwide, has adopted a broad range of Cadence Design Systems technologies as an integrated design flow. The new flow is expected to provide improved analog and mixed signal simulation and layout capabilities for faster design time and higher accuracy.

“Linear Technology requires accurate design tools across diverse custom design flows,” said Chris Mann, Director of Satellite Design Centers at Linear Technology. “Cadence’s demonstrated ability in helping our designers solve these tough challenges made them a preferred choice for us.”

Key components of the integrated flow include Cadence’s Virtuoso® Analog Design Environment, Virtuoso AMS Designer Simulator, Virtuoso Multi-Mode Simulation, Assura® Design Rule Checker, Assura Layout vs. Schematic Verifier, and QRC Extraction.

“Cadence continues to deliver the most advanced electronic design capabilities from architectural levels right down through mixed signal design, implementation and signoff, all of which enables our customers to achieve predictable, accurate, efficient market introductions,” said Dr. Chi-Ping Hsu, senior vice president of the Implementation Products Group at Cadence. “We’re confident that we have provided Linear with the best end-to-end solution for mixed signal design.”

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## ***MAUS and think3, a Long-Running Innovation Partnership***

24 September 2009

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Differentiation through innovation. This one of the prime objectives of MAUS Spa (Campodarsego, Padua, Italy), an example of manufacturing excellence from Italy's north-east. The company specialises in the production of automatic fettling machines for jobbing foundries and the automotive industry and also vertical turning machines for the on-highway, off-highway, power transmission & generation, bearings and railway industries.

In 1989, to keep pace with every changing market scenarios, the company introduced some of the early CAD solutions. In 1999 it started working together with think3 by implementing their CAD solution ThinkDesign.

“The passage from 2D to 3D allowed us to improve quality and reduce the time spent on control steps during production” explains Antonio Fassina, Technical Director at MAUS. “Today everything at MAUS is developed using 3D. The conversion of historical files takes place in the Indian office”.

In 2000, the company saw the need to automate management information flows for parts lists and needed something which integrated the technical and management sides of the equation. At this point the company's existing partnership with think3 was extended with the start of a PDM project employing thinkPLM. The first step of the project consisted of coding the company's products.

The company needed an efficient way of sharing information by automating the transfer of data from the CAD parts list to the management information system. It also needed to a way of improving direct communications with the Carraro Group. MAUS machines and lines share the same platforms but otherwise have a high degree of personalization. Primarily they work to customer orders rather than producing standard machines and this means that the number components common to several machines is relatively small. A complete MAUS assembly can have between 1000 to 1500 components.

Collaboration with think3 saw the progressive development of a PDM project fully customized to the effective needs of the customer.

“We decided to extend the partnership which linked us to think3 for CAD to include the new PDM project because think3 is very similar to us as a business” explains Fassina. “Both companies adopt a very forceful approach, even though they are small businesses with gigantic competitors. We know from experience that think3 is the partner who follows our project best and will support us throughout all the stages of the process.”

Today, thanks to the implementation of PDM, the Technical Department at MAUS handles all the information regarding parts lists, production orders and supplier modification requests and sends this information to the production and purchasing departments. Updated data are managed efficiently. Maximum security is guaranteed for shared information. ThinkPLM is also linked to Microsoft Project. Plans for the future include eliminating the management system interface in the Technical Department so that everything is done using the PDM.

A medium-term objective for the project plan is a VAULT for the Carraro Technologies branch in India which currently develops software and mechanical parts. The Replicated Vault by think3 is particularly useful for companies who develop their products across different sites. The think3 replicated vault copies data from the central server onto a local server so that users can continue to work on the same files at the local level. This considerably reduces network loads and enables enormous savings in file downloading times. It also enables easy data retrieval for all users and the logical organisation of information flows.

## **About MAUS Spa.**

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MAUS Spa is part of Finaid, the holding company of the Carraro Group with headquarters in Italy, a branch in USA, and sales and after sales service branches in Germany and Spain. Maus has agreements with TAL, part of the TATA Group, for the Indian market.

MAUS was originally the toolmaking part of the Carraro Group, a tractor and trailer manufacturer. It became independent 1986. In the nineties it started to manufacture foundry machinery and fettlers and most of its business is still concentrated in this sector. In 1995 MAUS extended its product range to include in-line vertical turning machines. Today, it supplies this type of machinery to leading names including GE, Schaeffler Gruppe, CNH, Volvo, Brembo, Caterpillar, Daimler, Scania, SKF, Bonfiglioli Riduttori, GearWorld, Reggiana Riduttori and SA Peugeot Citroen.

For further details about MAUS Spa visit <http://www.maus.it>.

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## ***Panoz Auto Development Company Selects ESI Group As A Design Partner For Sports Car Development***

22 September 2009

[ESI Group](#) announced that it has been selected by [Panoz Auto Development Company](#) as a design partner for its sports car development program.

[ESI](#) and Panoz Auto Development collaboration is a win-win situation. Indeed, while [ESI](#)'s End-to-End Virtual Prototyping solutions will allow Panoz Auto Development to continue delivering new creative designs at a much faster pace, [ESI](#) will be reinforcing its presence in the Motor Sports industry. In addition, as both are qualified as 'innovative companies', customers in the automotive industry will benefit from their shared experience.

*"ESI is known for its cutting edge technology and being a leader in Simulation-Based Design," said **Daniel Panoz**, President - Panoz Auto Development Company. "ESI provides a comprehensive solution for vehicle development, which is why I wanted to have them as part of our team. This is an opportunity for us to work side by side with ESI, learn from its experts, use its tools, and deliver an even better product to the market faster."*

*"Our partnership with Panoz Auto Development is a great opportunity for us to demonstrate all that ESI has to offer," stated **Michael Bloor**, COO – ESI North America. "Panoz has a history of being innovative, creative, and not being afraid of trying something new which are the traits that have made ESI and our customers successful throughout the years. We look forward to being part of this winning team."*

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## ***TEI Selects AxSTREAM to Develop the Aircraft Engine Industry in Turkey***

21 September 2009

SoftInWay Inc. announced a contract with [Tusas Engine Industry Inc.](#) a joint venture between GE, TAI, TSKGV and THK to use the AxSTREAM software suite for turbomachinery flow path design, analysis and multidisciplinary optimization. TEI has selected AxSTREAM to take advantage of the latest in engineering technology while designing new aircraft engines.

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To develop an optimized flow path for aircraft engines with respect to geometric constraints an advanced software solution is needed. That is why TEI, one of the leading aerospace companies in Turkey, gave preference to AxSTREAM which allows conceptual design of the complete flow path and improves engineering productivity.

The AxSTREAM software suite ensures an integrated and streamlined solution that embraces the full process of turbomachinery flow path design, including preliminary design, inverse and direct 1D/2D analysis and optimization, 3D profiling/stacking of the airfoils, 3D FEA and CFD analysis, and export of the results to 3D CAD/CFD/FEA programs. According to the contract, TEI will use AxSTREAM for axial compressors and turbines.

“We strongly believe that AxSTREAM will add to our existing design capabilities for advanced technology components in our engine projects.” – said Ali Dinç, TEI Design Engineering Manager.

“By selecting AxSTREAM, TEI recognizes the value of engineering software in the design of cost-effective and highly-performance machines, – said Leonid Moroz, President and CEO of SoftInWay. – The TEI team represents an excellent mix of youth and experience, and we are honored that AxSTREAM was chosen to develop a new generation of top-level aircraft engines required by TEI’s customers.”

“We have worked extensively with TEI engineers to show benefits of AxSTREAM in the design process. We will continue to support AxSTREAM users for their success.” said Mr. Aydin Kuntay, General Manager of [Eksen Engineering](#), distributor of SoftInWay in Turkey.

The AxSTREAM software suite for turbomachinery flow path design is available for purchase at <http://www.softinway.com/products/axstream-turbomachinery-design.asp>

## About Eksen Engineering

Eksen Engineering Test and Simulation Ltd.Sti. is an engineering company focusing on simulation software, test and measurement equipment sales and support in Turkey.

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## Texas A&M Provides SolidWorks to 16,500 Students

22 September 2009

[Texas A&M](#) has purchased new licenses of SolidWorks® software to expand CAD software access to 16,500 students in a broad range of programs.

Through a [Dassault Systèmes SolidWorks Corp.](#) (DS SolidWorks) “Student Access Initiative,” students will now have SolidWorks software on their laptops and home PCs as well as on school-owned computers across a variety of disciplines – including petroleum, nuclear, mechanical, industrial, electrical, and biomedical engineering. All other schools at the university, including the college of science and veterinary medicine, will have SolidWorks, too.

“SolidWorks has broad applicability beyond engineering courses,” said Mitch Wittneben, senior systems analyst for Texas A&M. “It helps students better understand important physical engineering principles, for example, or understand interaction of linkages between bones and prosthetics. With its balance of ease of use and powerful capabilities, SolidWorks helps students transform their ideas into reality and succeed in their work. It’s a valuable tool for all the sciences, and employers like to see a job candidate with SolidWorks experience.”

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The university has maintained 500 licenses of SolidWorks since 1999. The new purchase adds 2,000 new licenses in department-run labs and on open-access desktops, which are campus computers any student can use. An additional 4,000 licenses will be available for students to download to their personal PCs, enabling them to study on the same software used by their professors and in the labs. These 6,000 licenses include SolidWorks Simulation Premium for integrated design analysis and validation. Another 10,000 students on the campus at large will be able to obtain SolidWorks Standard software for their laptops and PCs.

SolidWorks' ease of use and intuitive operation are important for Texas A&M students' success in courses that focus on design concepts rather than operation of software. Because students learn SolidWorks so fast, they can spend more time focusing on design principles – a driving force in the university's steady adoption of the software.

SolidWorks Simulation Premium is an important part of the software package for students. It gives them insight into the strengths and weaknesses of their designs and inspires them to delve further into the physical principles behind finite element, thermal, fluid, and other analyses.

## **SolidWorks Everywhere**

Students have found SolidWorks to be a powerful tool for everything from designing simple test rigs all the way through complex flow analysis of turbo machinery. Although it may seem odd for veterinary medical students to need CAD and simulation software, Wittneben says, it's actually invaluable to the design and study of artificial joints and other man-made devices, and how they interact with natural tissue. Students create CAD models of bones and prostheses and study the way they come together and withstand stress and use.

SolidWorks also helps students engage with private companies. Student mechanical engineering teams tackle class-based projects with 10-12 companies every year. Using SolidWorks ensures easy sharing of designs with these companies, whose engineers typically use SolidWorks themselves.

Students work with companies like 3M, FMC, Fluor, Halliburton, Lockheed Martin, and Shell. SolidWorks is a popular CAD choice in several of the region's industries, including oil and gas, and many graduates report their SolidWorks experience has proven very beneficial to them in their line of work.

Students on the Texas A&M Racing Team used SolidWorks to design their championship car that beat 30 teams from around the world in the 2009 Formula Hybrid competition. The team won first place in the overall hybrid, design, presentation, endurance, and autocross classes with the highest score in two decades.

“A Texas A&M engineering education is a complete and well-rounded preparation to enter the workforce and make an immediate contribution to an employer's success,” said Wittneben. “SolidWorks is a key ingredient in that preparation.”

Texas A&M relies on authorized SolidWorks reseller [Texas Engineering Systems, LP](#), for ongoing software training, implementation, and support.

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## Product News

### *Autodesk Expands Options for Mac Users*

24 September 2009

[Autodesk](#), Inc. and [Parallels](#), a worldwide leader in virtualization and automation software, announced that they have signed an agreement to make Parallels Desktop for Mac Autodesk's preferred Mac virtualization software.

Autodesk will now support use of [AutoCAD](#) software, [AutoCAD LT](#) software, [Autodesk Inventor Professional](#) software, [Autodesk 3ds Max](#) software, [Autodesk 3ds Max Design](#) software and the [Autodesk Revit](#) software platform for [building information modeling \(BIM\)](#) on Mac OS X via Parallels Desktop. Autodesk added official support for these products on the Mac via Boot Camp earlier this year.

"Autodesk customers are increasingly working with both Mac and Windows, and have asked us to support Mac virtualization," said [Chris Bradshaw](#), Autodesk chief marketing officer. "Today we are pleased to welcome Parallels as a partner and Parallels Desktop as our preferred Mac virtualization software. This is the latest step in Autodesk's ongoing efforts to support our customers on the Mac, who will now be able to use some of our most popular 2D and 3D design, engineering and entertainment software alongside Mac OS X, in addition to the five native Mac applications we currently offer."

"Parallels Desktop for Mac enables over two million users to run Windows-based applications seamlessly and simply on their Mac," said Serguei Belousov, chief executive officer of Parallels. "Autodesk has a long history of creating innovative and industry-leading software for design, engineering and entertainment, and we've heard many requests from customers interested in using their Autodesk applications with Parallels. We are delighted to partner with Autodesk to help make this software more broadly available to the Mac community."

With the launch of the [Autodesk Alias](#) family of software for Mac OS X earlier this year, Autodesk now offers six native Mac OS X applications for the entertainment, multimedia and design industries, including [Autodesk SketchBook Pro](#), [Autodesk Maya](#), [Autodesk Mudbox](#) and [Autodesk Stitcher Unlimited](#) software. For more information about Autodesk Mac support, visit <http://www.autodesk.com/mac>.

### **About Parallels -- Optimized Computing**

Parallels is a worldwide leader in virtualization and automation software that optimizes computing for consumers, businesses and cloud services providers across all major hardware, operating systems and virtualization platforms. Founded in 1999, Parallels is a fast-growing company with 700 employees in North America, Europe and Asia. For more information, please visit [www.parallels.com](http://www.parallels.com).

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### *COADE Releases CADWorx Plant Design Suite 2010 with Support for AutoCAD 2010 Plus Other Enhancements*

21 September 2009

COADE announced the release of CADWorx Plant Design Suite 2010, with support for AutoCAD 2010 in both 32-bit and 64-bit versions plus new capabilities such as a new pipe support modeler for user-defined intelligent pipe supports, an ISOGEN Version 9.3 update, several new steel shapes, import and

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export capabilities for 32-bit CIS/2 format files, and a new feature that allows you to create a steel model from external live database information.

Other new features for enhancing plant design productivity and collaboration include an ANSI flange look-up table and insulation feature in COADE CADWorx Equipment and several new capabilities in CADWorx P&ID Professional for producing process and instrumentation diagrams, such as tools to selectively match values of database columns from components selected and tools to select database values inherited from the process line during component selection.

For information on CADWorx Plant Design Suite 2010 and other COADE products, visit [www.coade.com](http://www.coade.com)

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### ***COADE Releases CADWorx Equipment 2010 for Plant Design with Support for AutoCAD 2010 Plus Other Enhancements***

23 September 2009

COADE announced the release of CADWorx Equipment 2010, part of the COADE CADWorx Plant Design Suite, with support for AutoCAD 2010 in both 32-bit and 64-bit versions plus new capabilities such as an ANSI flange look-up table for body flange components and a new insulation feature.

Other new features in COADE CADWorx Plant Design Suite 2010 include enhancements in CADWorx Plant Professional such as a new pipe support modeler for user-defined intelligent pipe supports, an ISOGEN Version 9.3 update, several new steel shapes, and a new feature that allows you to create a steel model from external live database information. New capabilities in CADWorx P&ID Professional for producing process and instrumentation diagrams include tools to selectively match values of database columns from components selected and tools to select database values inherited from the process line during component selection.

For information on CADWorx Equipment 2010 and other COADE products, visit <http://www.coade.com>.

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### ***Invention Machine Expands Innovation Software Line to Further Accelerate Sustainable Innovation; Launches Invention Machine Goldfire Insight to Boost Broad Deployment Collaboration***

22 September 2009

[Invention Machine](#) announced the availability of Invention Machine Goldfire 5.5, a powerful platform that can further accelerate product innovation and increase productivity by 20-30 percent. The company also announced the launch of Invention Machine Goldfire Insight, a new configuration that simplifies research and redefines the role of intelligence in innovation. Goldfire Insight is designed for broad deployment across the entire innovation community, including new business development, strategic planning and competitive analysis teams.

Goldfire, Invention Machine's flagship innovation software, operationalizes and sustains the product innovation process. It guides innovators through specific innovation tasks and appropriate workflows so they can deliver the right products the first time, as well as track innovation trends within an enterprise, all in real time. [Global 2000 manufacturers](#) in more than 25 countries use Goldfire to translate ideas into

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[market-leading products](#), from [rocket engines](#) and [algae-based biofuel](#) to [anti-leak toilet valves](#) and cardiac stents.

“At [Boston Scientific](#), we are committed to delivering innovative medical technologies, and Invention Machine Goldfire is integral to our innovation and product design process,” said Randy Schiestl, vice president, R&D, Boston Scientific. “The new software will allow us to expand deployment and [empower more people](#) so they can research customer needs efficiently and identify the right solutions quickly, increasing our ability to ‘deliver what's next’.”

Version 5.5 builds on Goldfire’s powerful innovation platform. Its new knowledge navigator capability fosters innovation collaboration by accurately reconstructing a user’s past thinking and research process. Goldfire’s enhanced semantic technology automatically categorizes concepts and ties relevant intelligence to the innovation initiatives, all within minutes. With Goldfire 5.5, engineers and scientists can deliver new products even faster, at a lower cost and increase productivity between 20-30 percent -- the time spent by innovation workers looking for actionable information.

Goldfire Insight, the latest member of the Goldfire line, supports essential problem analysis and problem solving capabilities and research work models. Goldfire Insight is designed for broad deployment so the 80-90 percent of innovation workers dealing with vital, yet common, every day innovation activities can leverage the product effectively. These tasks can range from solving problems for customers and resolving field situations to researching competitor landscapes and ways to reuse existing technology.

Numerous best-in-class companies rely on Invention Machine’s innovation software to stimulate their [Innovation Intelligence Ecosystem](#)<sup>™</sup>, a framework for delivering precise and relevant intelligence from various sources. A well designed ecosystem can significantly increase productivity of the entire innovation community, from disruptive and strategic innovation initiatives to simple innovation tasks. The Innovation Intelligence Ecosystem’s end goal is creating a sustainable and repeatable process, which accelerates product delivery as well as increase revenue and competitive edge.

“Actionable knowledge is vital to continuous and repeatable innovation,” said Jim Todhunter, CTO, Invention Machine. “Goldfire, a key component of the Innovation Intelligence Ecosystem, links the community of innovators to critical intelligence thereby driving sustainable innovation and boosting productivity of every day innovators.”

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## ***Mentor Graphics Provides Comprehensive Low Power Solution in TSMC Reference Flow 10.0***

21 September 2009

Mentor Graphics Corporation announced that its low power RTL-to-GDSII tool flow has been included in Taiwan Semiconductor Manufacturing Company, Ltd. (TSMC) Reference Flow 10.0. TSMC and Mentor worked together nearly a year to validate and deliver a robust set of tools with proven support for the Unified Power Format (UPF).

“In addition to expanding the Mentor reference flow to add both functional verification and implementation technologies, Mentor is addressing new challenges such as low power,” said S.T. Juang, senior director of Design Infrastructure Marketing at TSMC.

The Mentor low power track includes the 0-In® CDC, Questa®, FormalPro™, Olympus-SoC™ and TestKompress® tools:

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- The [0-In CDC](#) tool provides a three-fold verification approach for clock domain crossings, checking for appropriate synchronization through structural analysis, protocol verification, and accurate simulation of metastability effects.
- The [Questa](#) platform enables early verification and evaluation of power architectures starting with RTL, through automatic insertion of power management logic based on UPF specifications. The Questa platform provides silicon-accurate simulation of isolation and retention protocols during power down/up, non-operational bias modes, and dynamic voltage scaling, as well as static and dynamic checks for power management functional correctness that pinpoint any failures to simplify debugging.
- The [FormalPro](#) tool verifies the pre- and post-routed netlists against the RTL + UPF specification from which they were derived, to ensure that retention registers, isolation buffers, and level shifters are equivalent, as well as verifying logic equivalence.
- The [Olympus-SoC](#) implementation system provides true multi-corner multi-mode (MCMM) optimization of timing, power, signal integrity and die size, and MCMM clock tree synthesis and optimization. The Olympus-SoC system provides UPF hierarchical low power automation with both top-down and bottom-up flows. It also provides a completely automated, multi-voltage flow with support for Dynamic Voltage and Frequency Scaling (DVFS) handles varying supply voltages and clock frequencies, as well as special power-related cells such as level shifters, isolation cells, and MTCMOS switches.
- The [TestKompress ATPG tool](#) reduces power dissipation during all phases of scan test using a constant-fill decompressor, which reduces unnecessary logic transitions, and power-aware control of clock gates.

“Mutual customers of Mentor and TSMC continue to push the design envelope to create complex SoCs that require adoption of advanced, low-power technologies,” said John Lenyo, Mentor Graphics functional verification division general manager. “Our collaboration with TSMC gives design teams access to a comprehensive low-power flow that addresses the low-power challenges from design inception to tapeout.”

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## ***Nemetschek Allplan and Plancal Enter IFC-Based Cooperative Venture***

23 September 2009

Nemetschek Allplan has agreed to enter into a close cooperation in the realm of BIM with [Plancal](#), a market-leading supplier of HVAC software in Europe. The goal of this cooperation is to produce an integrated solution for architecture, civil engineering and HVAC technology on the basis of a universal 3D building model. This will benefit customers in that it will increase the speed and effectiveness of their planning processes. In addition to product development, both companies will collaborate in the areas of marketing and sales.

"Nemetschek's corporate philosophy is based on providing optimum support for complex and heterogeneous planning processes in the building industry by providing focused, "best in class" solutions for individual areas of application. In doing so, we enhance the core competencies of Nemetschek's subsidiaries by entering into strategic cooperative ventures. The cooperation between Nemetschek Allplan and Plancal brings together two well-established, European market leaders. Our joint aim is twofold. Firstly, we intend to facilitate a significant increase in productivity for planning agencies that

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undertake projects in the fields of architecture and building services engineering. And secondly, we both want to optimise the software-supported planning processes that exist between architects and planners," states Peter Mehlstäubler, CEO and Managing Director of Nemetschek Allplan.

"In addition to the joint commitment to increasing our customers' productivity, both companies will benefit from synergies in terms of product development and sales," comments Dominik Rüedi, CEO of Plancal Holding AG.

## **Jointly tackling the challenge of optimising BIM planning processes**

The [Allplan](#) product family from Nemetschek Allplan is a well-established platform that uses 3D building models to cater for the entire planning process and which has integrated and practical drafting and design tools.

Plancal has been developing software that caters for building services for more than 30 years. The company's core product, nova, is a leading HVAC solution which will be a valuable asset to the cooperation.

Planning processes based on Building Information Modelling (BIM) enable the universal use of building data. In such situations, it must be possible for the partners participating in a project to be able to choose the software solution that is best suited to their specific requirements. The IFC (Industry Foundation Classes) standard plays a particular role here; the primary aim of the standard is to link different application disciplines via a neutral, open data model. This will form the basis upon which Plancal and Nemetschek Allplan can work together in order to fully integrate the Allplan and nova product families.

In practical terms, this means that architects, civil engineers and design professionals will be able to access the same 3D model to obtain planning data such as floor plans, sections and elevations, as well as intelligent building elements, quantities, costs and information about heating, ventilation and sanitation. Thus, the individual solution components form the basis for ensuring that project participants can access all the required construction data and circulate it as necessary without losses or interface problems. This enables an optimised planning process in the context of Building Information Modeling.

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## ***Nemetschek North America Releases D-Cubed 2D DCM from Siemens PLM Software in Vectorworks***

24 September 2009

[Siemens PLM Software](#) and Nemetschek North America announced the release of Siemens PLM Software's [D-Cubed™](#) 2D Dimensional Constraint Manager (2D DCM) component in Nemetschek's Vectorworks® 2010 design software.

The 2D DCM has been integrated in Vectorworks 2010 to improve the computation of architectural layouts by solving geometric constraints that are inferred from the high-level design requirements of the user. The end result is a highly intuitive associative design experience with improved performance and behavior, which enhances the creation of intelligent models in support of Building Information Modeling (BIM) workflows.

"Licensing the 2D DCM for Vectorworks 2010 extends our relationship with Siemens PLM Software, who also supplies the Parasolid® modeling kernel that we introduced in our previous release," said Sean Flaherty, chief executive officer of Nemetschek North America. "The 2D DCM was the clear choice for a geometric constraint solving platform, offering excellent value, maximum credibility and minimum

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risk to support the rapid ongoing development of our innovative BIM capabilities. This successful partnership has strengthened our commitment to providing our customers with a superior design experience through sourcing the best available core technologies.”

Nemetschek North America is the latest in a growing number of vendors in [AEC plant and structural design](#) markets to license geometric modeling and parametric design components from Siemens PLM Software, the same components that have historically been key elements in many of the world’s best known mechanical CAD applications.

“Universally acknowledged as the leading solution in its field, the 2D DCM has evolved into a multipurpose parametric design component through its broad application in mechanical CAD over many years and from its more recent deployments in AEC,” said Joan Hirsch, vice president of Product Design Solutions, Siemens PLM Software. “With this new release, Nemetschek North America is providing architectural professionals with best-in-class associative design tools built on a proven foundation.”

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## ***Oracle Announces New Release of Oracle’s Agile Product Lifecycle Management for Process***

23 September 2009

Oracle unveiled Oracle’s Agile Product Lifecycle Management for Process (PLM) 6.0. This includes integrated formula and label development, embedded compliance and traceability tools and out-of-the-box solutions and services for the food and beverage industry.

The new release helps customers in today’s demanding and fast paced food and beverage industry drive profitable innovations, ensure product quality, compliance and traceability, lower costs and improve productivity across the entire product lifecycle.

Agile PLM for Process 6.0 is the latest milestone for Oracle’s “Applications Unlimited” program.

### **New Capabilities Aid Compliance in Complex Regulatory Environments, Promote Best Practices**

Enhancements and new capabilities in Agile PLM for Process 6.0 help customers navigate and comply with rapidly changing regulations in the food and beverage industry. With Agile PLM for Process 6.0, customers can now:

#### **Enable product traceability and regulatory compliance:**

***Improved Computer-Aided Compliance Screening Tool:*** Simultaneously analyzes recipes for compliance against multiple government regulations and market-driven constraints in real-time. The enhancements also help break down the barriers between recipe design teams and quality and compliance groups, speeding time to market and ensuring compliance.

***Impact Analysis and Change Management Dashboard:*** Identifies and traces products affected by recipe or packaging changes and initiates change management processes across all relevant products, balancing the need for governance and traceability with the need to react quickly to changes. This helps minimize errors and increase productivity, while also enabling customers to manage complex inter-related product hierarchies with easy to use tools.

***Integrated Label Claims Determination Tools:*** Analyze products to determine if certain label claims are valid across multiple regulatory rule sets. Increased automation in claims determination processes reduces risk of error, reduces cycles between R&D and regulatory, and can help identify additional

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opportunities for marketing.

**Improved Supplier Collaboration and Compliance:** Electronic signatures and an expanded supplier self service portal that includes supplier-initiated product change requests and support for finished goods collaboration for co-pack and private label business scenarios.

**Integrate formula and label development:**

**Enhanced Formula Commercialization Tools:** Enable and streamline the evolution of bench formulas into commercialized recipes.

**Improved Label Development Tools:** Dynamically generate label nutrition, ingredient statements and other technical label data directly from recipes for multiple markets, regions and countries.

**Achieve rapid deployment and adoption:**

**Standardized Out-of-the-Box Industry Data Model and Processes:** Accelerates time to value and promotes best practices.

**New User Interface Controls:** Improves user adoption by providing drag and drop, type-ahead search, in-line table editing, powerful querying tools and more streamlined navigation.

**Exposed PLM Backbone:** Helps improve deployment time by quickly integrating unique customer needs through the easily accessible SOA layer.

**Extensibility Points:** Extends application functionality such as eventing, security, validation and calculation logic through pre-built extension points.

**Supporting Quotes**

"Oracle has been a great partner and has worked with us extensively to understand both our strategic goals and our day-to-day processes," said Tyson Foods, Inc. Craig Bacon, Senior Vice President of Research and Development. "We have seen tremendous benefit to date using Oracle's PLM for Process solution including an improvement in our time to market of over 50 percent. We anticipate even greater benefit with this release as it will help us better manage our product complexity and provide important new capabilities that will allow for efficient and deep collaboration with our suppliers."

"PLM is now a strategic tool for process manufacturers as they seek to mitigate risks, improve productivity and drive profitable innovations," said Oracle Vice President, PLM Product Strategy Hardeep Gulati. "With this release, Oracle is able to offer customers the most complete food and beverage PLM capability in the market today. This further extends our Enterprise-class PLM offerings by providing the food and beverage industry with what they need, out-of-the-box, all delivered within a scalable PLM framework."

**General Availability**

Oracle's Agile Product Lifecycle Management for Process 6.0 is currently available.

Supporting Resources

[Agile Product Lifecycle Management for Process](#)

[Oracle Agile Product Lifecycle Management Solutions](#)

[Oracle Unveils New Release of Oracle's Agile Product Lifecycle Management \(PLM\)](#)

[Oracle's Agile PLM Blog](#)

[Oracle's Agile PLM Twitter Feed](#)



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## ***Oracle Launches New Capabilities for Midsize Organizations and Introduces New Portal for Oracle Accelerate Program***

22 September 2009

Since the launch of [Oracle Accelerate](#) nearly three years ago, Oracle has added more than 7,000 midsize applications customers and now has over 25,000 midsize customers.

Oracle continues to build on that success by announcing new capabilities for its Oracle Accelerate Program for midsize companies, including new Accelerate Solutions, Oracle® Business Accelerators, financing options and deployment methods.

Oracle Accelerate for midsize companies combines Oracle Applications and Business Accelerators with industry- and geography-specific deployment expertise to solve business problems in highly targeted and rapidly deployable packages. [Oracle Business Accelerators](#) are rapid implementation tools, templates and industry- and geography-specific leading practice process flows provided by Oracle to partners to help dramatically reduce implementation time, complexity, cost and risk.

In addition, Oracle Accelerate has launched a new portal, [midsize.oracle.com](http://midsize.oracle.com), a resource focused on midsize for customers and partners to search for geographic- and industry-specific solutions, as well as a platform for collaboration.

### **New Capabilities**

Oracle is launching new Oracle Accelerate solutions including Business Intelligence, Enterprise Performance Management and CRM On Demand.

Oracle also is launching a new HP and Oracle Consulting Accelerate Solution for Industrial Manufacturing with HP.

Oracle has extended its Business Accelerators tool sets to include [Oracle's Demantra](#) for advanced demand planning, [Oracle's Agile product lifecycle management solutions](#), [Oracle's Siebel CRM](#), and [Oracle Transportation Management](#).

Oracle Business Accelerators for Oracle E-Business Suite are now available on Sun's 64-bit Systems running the Solaris 10 OS for eight industries in 20 countries bringing the total to over 280 Oracle Business Accelerators available in 35 countries.

Oracle Accelerate now offers several deployment options, including hosting by Oracle On Demand, hosting by a third party, and on-premise hosting all with customizable service packages to meet the unique needs of each customer.

The new Oracle Accelerate portal, [midsize.oracle.com](http://midsize.oracle.com), includes a Partner Marketplace, which allows customers to easily find the right combinations of Oracle Applications and Oracle Accelerate solutions.

### **Supporting Resources**

[Oracle Accelerate](#)

[midsize.oracle.com](http://midsize.oracle.com)

[Oracle PartnerNetwork Accelerate Knowledge Zone](#)

[Oracle Midsize Customer Success Stories](#)

[Oracle® Transportation Management](#)

[Oracle's Demantra](#)

[Oracle's Siebel CRM](#)

[Oracle's Agile](#)

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## ***Professional CAD Software, ZWCAD 2009i Released in French Language***

18 September 2009

ZWSOFT in partnership with PM FORMATION (authorized ZWCAD distributor in France), announced the French release of ZWCAD 2009i, DWG-compatible CAD software for professional designing and drafting.

This localized version makes it easier for architects, engineers and designers to fully realize their ideas, with commands and dialog boxes accurately translated to the native French language. French CAD users would also see installation interface, license manager customized in their familiar working environment.

With DWG compatibility, ZWCAD 2009i French offers comprehensive and powerful functions for entire graphical design processes. In addition to previous features (e.g., Tool Palettes and e-Transmit) available in ZWCAD 2009, French users can experience new capabilities in the French version of ZWCAD 2009i, e.g., automatic paper space, plot stamps, custom line end styles, line join styles, and fill styles.

The translation of ZWCAD 2009i French was supervised by ZWSOFT, with the great efforts of PM FORMATION, authorized ZWCAD distributor in France. ZWCAD in French is now available for free download on [http:// www.zwcad.org](http://www.zwcad.org) French language support will also be available if you contact our distributor in France, PM FORMATION (<http://www.zw-cad.fr>).

In addition to the French program, ZWCAD 2009i is available in 13 other multilingual versions. For more information, please go to <http://www.zwcad.org/cad-software-download.html>.

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## ***progeBILLD HVAC/Plumb, a new CAD Building Services module, running on progeCAD, delivered today by iCADsales.com***

22 September 2009

iCADsales.com (<http://www.icadsales.com>) announced the availability of the HVAC - Plumbing Design software solution called progeBILLD HVAC/Plumb, running on progeCAD 2009 Professional. The progeBILLD series is a lineup of progeADD-ons for building services, providing modules for Electrical, HVAC/Plumbing, and Mechanical/Structural.

An Additional Module, progeBILLD Base, an Architectural application to allow the designer to easily populate their drawings with architectural elements such as walls, doors, windows, furniture symbols, etc. will be released soon.

ProgeBILLD HVAC/PLUMB contains numerous libraries of standardized elements, conforming to

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DIN, EN, ISO and other standards. Ready-to-use objects and commands automate the creation of details, schematics, and multi-view drawings.

Here is a small subset of some of the features of progeBILLD HVAC/Plumb:

Design all kinds of installation types (HVAC, water-supply-and-sewage, medical, cooling installation, gas fittings and any technological installations in industry and architecture).

You can create any kind of pipe as needed.

Complete library of standard HVAC objects and symbols based on DIN, EN, ISO and national standards. You can also create customized objects. An import-function is available for objects of other providers.

Drawing of isometric views with the ability to insert symbols in different views. Automatically transform all symbols (incl. user-symbols) to an isometric view

Design installations with automatic insertion of suitable fittings.

Automatically join pipes and air ducts. Automatically insert elbows, T-parts, reducers etc.

Extended set of objects based on standards and catalogs of prestigious producers. A lot of 3D objects are available in the manufacturer's library

Numbering system and object description, specifying all technical data

Automatically create legends and descriptions.

Automatically create specifications with export possibility to PDF, XLS, XLM, CSV, HTML, RTF and more.

iCADsales.com offers each module of the progeBILLD series as separate add-ons or the bundle can be purchased as one. Applications for Civil Survey, CNC CAM, and general productivity tools are also available. 30-day trial software including progeCAD 2009 Professional to power the progeADD-on applications is available on their website at <http://www.icadsales.com/index.pl/Download>.

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## ***Right Hemisphere Deep Exploration 6 Ships, Early Users See Great Value in UI and Rendering Enhancements***

23 September 2009

With early praise from its first users, Right Hemisphere® announced its new Deep Exploration™ 6 software is now shipping. Introduced in June, the new version includes a highly configurable workflow-oriented user interface (UI); improved ability to view, select and navigate large and complex 3D models; a new XML file format to facilitate its integration with enterprise systems; and a completely new photorealistic rendering engine which employs high dynamic range (HDR) imaging technology.

The first customers to work with the new software have been quick to comment on the revamped UI. For example, long time Deep Exploration user and Managing Director at Urban Voyage Richard Elliott said, "We've been beta testers for the software and immediately noticed the smart UI changes. There are a lot of tools in Deep Exploration and Right Hemisphere has done an excellent job of reorganizing them so that it's easier to find the tools you need when you need them. It's also quite simple to customize the layout to suit your own workflow. At Urban Voyage, our 3D artists are pushing the limits on what's

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possible using 3D technology and Right Hemisphere represents the best in creative 3D authoring and translation solutions available today."

Other users have communicated their appreciation for the combined data management and rendering capabilities now available in the new release. According to Armstrong White CGI Supervisor Joseph Brancik, "We've been using Right Hemisphere's Deep Exploration software for years and they have really upped the game with their new HDRI renderer. It looks fantastic. With Deep Exploration 6 you can create great renders. The tool set has also increased tenfold and users have tons of window layout flexibility. With all of the new translators and the new flex web applications in Deep Exploration 6, we can now create real-time content with no compromises."

Virtual Photographer, 3D Artist and Owner of Beyond Real Chris Iorillo added, "Every time I push the render button with Deep Exploration 6, it's like Christmas morning. I'm very pleased with everything. As far as a soup to nuts package for data translation and rendering, I haven't seen anything like Deep Exploration 6. As far as I know, this is the only software application that allows you to draw a line and add luminosity to it with such ease. It's fabulous."

"Deep Exploration is a key part of our production pipeline here at Global Majic and we recommend it to all our clients. I personally use it every day to read, prepare, and translate client CAD files for importing into our RealTimeStudio visualization system," said Dan Stiles, Vice President of Content Development at Global Majic Software, Inc. "During a deadline crunch -- which we experience often -- one of the things we value most is reliability and stability. The software must work as expected in order to meet the schedule. This latest version of Deep Exploration has flawlessly ripped through everything we've thrown at it. Once again, another excellent and dependable release with a super feature set that is second to none."

Right Hemisphere's Deep Exploration 6 software is available immediately and in a variety of different license types. For more information on the software, its pricing and licensing options, please visit <http://www.righthemisphere.com>.

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## ***Siemens PLM Software Delivers Parasolid Version 22***

24 September 2009

[Siemens PLM Software](#) announced the availability of [Parasolid®](#) Version 22.0 (V22) software, the latest release of its PLM 3D geometric modeling component software.

Parasolid V22 delivers a wide variety of powerful modeling enhancements building on robust and extensive functionality. These new capabilities have been specifically designed to boost the productivity of application software developers working on some of the most advanced PLM end-user products on the market. Several enhancements have been added in a variety of areas.

A new capability allows an application calling Parasolid to replace some faces of a body with a sheet while simultaneously performing other complex model edits such as face transformation or re-blend. For example, an edit can change the shape of a cut-out while simultaneously moving an adjacent face.

A callback function has been added to the face edit and hollowing functions to provide control to the application calling Parasolid in situations where there are multiple possible solutions to complex modeling operations. The callback notifies the application of areas of the model where there are multiple solutions so it can choose the one that best suits the user's expectations.

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Re-blending has been enhanced to cover more classes of imported data. This increases the ability to simplify a chain of blends into a more consistent and usable form when creating robust models from imported data. This enhancement also enables more changes to be made to the underlying topology of certain blend configurations, giving a better result without end-user intervention.

Three-face blending controls and coverage is extended to match that available in face-to-face blending, with the addition of advanced capping and trimming capabilities. This enhancement boosts the success rate of highly complicated operations and improves end-user productivity. For example, when end-users want to perform blend operations on large models without consideration for the complex blend configurations that already exist or that may be created.

Operations have been added to support advanced non-manifold modeling, used extensively in architecture, engineering and construction (AEC) and computer-aided engineering (CAE) applications. Boolean operations can now be performed on wire bodies and the API provides tools to identify and control the merging of redundant topology as well as managing the precision of non-manifold edges. Inquiry and optimization tools have also been enhanced and substantial improvements have been made to neutral sheet trimming for CAE analysis work.

“The PLM market move towards highly intuitive modeling paradigms represents an amazing challenge to application developers – that of making immensely complex operations appear quick and easy to perform,” said Joan Hirsch, vice president of Product Design Solutions, Siemens PLM Software. “Parasolid V22 offers another step forward in modeling sophistication and developer productivity for our most-demanding customers, along with the assurance of the robust high performance they have come to expect from the world’s foremost modeling kernel.”

In addition to Parasolid V22, Siemens PLM Software is simultaneously releasing the latest version of Parasolid Bodyshop, an add-on component that validates and optimizes the integrity and reliability of imported data using model healing and repair technology. Parasolid Bodyshop V13 features extensive model optimization enhancements which can be evaluated via plug-ins provided for the Parasolid Workshop prototyping environment.

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## ***SMIC Selects Virage Logic's AEON® Embedded Multi-Time Programmable (MTP) Non-Volatile Memory (NVM) For RFID Applications***

23 September 2009

[Virage Logic Corporation](#) and [SMIC](#) announced a radio-frequency identification (RFID) optimized version of Virage Logic's [AEON](#) MTP NVM solution. The RFID-optimized NVM solution, ideal for use in passive tags, is being developed on SMIC's 180-nanometer (nm) low leakage (LL) process, which provides enhanced RF performance.

Virage Logic's AEON/MTP RFID is based on a single-poly standard logic CMOS process. This architecture eliminates costly manufacturing steps normally involved with floating-gate memory, while reducing the engineering effort and associated costs of integrating NVM into RFID designs. Its multi-time programmability provides AEON with significant flexibility and testability advantages over one-time programmable (OTP) NVM.

AEON's RFID architecture is targeted at ultra-low power applications, specifically EPC Gen2 and ISO15693 passive RFID tags, because it maximizes tag range. AEON/MTP RFID supports 100,000

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write-erase cycles and bit counts up to 4K bits, giving RF system architects the freedom to increase the feature sets and functionality of end products. With read operation down to 1.0V, AEON NVM lowers the demand on the passive power generation circuitry and allows more reliable reads which provides an ideal solution for ultra-low-power applications such as RFID tags.

"We are pleased to partner with Virage Logic to bring a world-class RFID solution to our mutual customers," said Max Liu, vice president of design services at SMIC. "As the industry's leading embedded NVM provider, Virage Logic's AEON product has already been integrated and shipped in hundreds of millions of RFID tags worldwide. The combination of SMIC's process technology and RFID specific capabilities together with Virage Logic's low power, multi-programmable AEON NVM IP brings best-in-class performance and capability to design engineers in worldwide markets."

"By developing our AEON/MTP NVM on SMIC's 180nm low-leakage process technology, it will be optimized for ultra-low-power RF applications to provide our mutual customers with a superior IP solution for their RFID applications," said Virage Logic's Dr. Yankin Tanurhan, vice president and general manager, NVM Solutions. "Virage Logic's embedded NVM technology has already been adopted by several leading RFID manufacturers and we are pleased to work with SMIC to develop a locally available RFID solution for the rapidly expanding China market."

## **Availability**

AEON/MTP RFID has been fully developed on SMIC's 180nm LL process. Design kits are available for qualified customers upon request. For more information on licensing options and pricing, please contact your local Virage Logic sales representative.

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## ***Synopsys Unveils StarRC Custom Parasitic Extraction Solution***

21 September 2009

Synopsys, Inc. announced its new StarRC™ Custom parasitic extraction solution for analog mixed-signal (AMS) and custom digital IC design. By combining the gold standard Star-RCXT™ extraction technologies and the Raphael™ NXT 3D fast field solver into a single, unified extraction solution, the StarRC Custom solution offers high performance runtime with tuned accuracy to meet the analysis demands of high-sensitivity custom circuits. This comprehensive offering includes optimized links with Synopsys' technology-leading CustomSim™ circuit simulator which can boost simulation runtime by up to 10X while preserving signoff accuracy. Additionally, StarRC Custom provides seamless integration with Synopsys' Galaxy Custom Designer™ implementation solution to improve designer productivity.

"The widespread use of custom circuits in today's complex system-on-chip (SoC) designs is creating a severe simulation and signoff bottleneck," said Robert Hoogenstryd, director of marketing for design analysis and signoff at [Synopsys](#). "Increasing transistor count combined with the modeling of more complex parasitic effects is resulting in transistor-level simulation runtimes doubling and quadrupling. To address this challenge, Synopsys took a unique approach with StarRC Custom by focusing not only on extraction runtime and accuracy, but also on optimizing the extraction data to improve overall transistor-level simulation throughput."

StarRC Custom solution is built on the Star-RCXT gold standard technology and environment, enabling custom IC designers to get the instant benefit of Star-RCXT's broadest qualification in the industry for 65-nm and 45-nm process nodes. Star-RCXT is already in use by more than 40 leading semiconductor

companies at 45-nm and trusted on more than 140 tapeouts at 16 foundries.

StarRC Custom provides the foundation of an expanded Synopsys extraction tools suite, which includes StarRC and StarRC Ultra. The next-generation StarRC and StarRC Ultra solutions offer versatile solutions for full-chip, gate-level and transistor-level designs as well as technologies to support advanced analysis capabilities. The tools incorporate technologies such as hierarchical extraction, feature-scale chemical-mechanical polishing (CMP) effects modeling and variation-aware extraction to enable designers to achieve signoff accuracy while meeting their stringent tapeout schedules.

## **Availability**

StarRC Custom is in limited customer availability now, with general customer availability planned in December 2009.

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## ***The Gateway to the Future of Electronic Product Design: Zuken Launches CR-5000 Design Gateway to America and Europe***

24 September 2009

Zuken has announced the American and European launch of [Design Gateway](#), the latest solution that unlocks the future world of advanced enterprise-wide design for the most cutting-edge electronic product development. This next generation circuit design creation package is the collaborating force between board level design and hardware design, bringing the two disciplines closer together. It also opens up scope for advanced product lifecycle management, becoming more and more integral to maintaining the competitive position of companies.

This solution delivers the potential to perform entire system circuits planning and schematics design. It is positioned within Zuken's CR-5000 enterprise-wide solution for electronics systems design and is at the core of its constraints driven design and verification process.

"Design Gateway forms part of a larger strategy that will see Zuken over the next few years breaking down the barriers of electronic product development from the system planning level down to detailed functional level, for harmonization between design disciplines with the objective of making great steps forward in quality improvement and design efficiency; all while empowering organizations to embrace the latest technology to deliver the most innovative products", said Chief Technology Officer, Kazuhiro Kariya.

When coming up with the concept for Design Gateway the development team went back to the drawing board to deliver a solution that would be easy to use, have all the advanced process and capabilities for tomorrow, while retaining the best features of CR-5000 System Designer.

## **Technology Overview**

Great efforts have been made to improve functionality for advanced electronic product design, to provide support for system level design and multi-board design. Design Gateway can represent the entire system as a hierarchical structure with unlimited levels, supporting both top-down design entry and building of blocks bottom-up. The solution also includes advanced features for design reuse, documentation, design variant management, simulation and verification, FPGA co-design, constraints control and provides interfaces to other design disciplines such as analogue and HDL.

## **Breaking Down Barriers with Hardware Engineering**

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In addition to Zuken's core PCB design community, Design Gateway was specifically developed with the hardware engineering community in mind, by opening up the flow of communication and design collaboration between PCB engineering and hardware engineering. The Microsoft Windows compatible standard also makes the solution exceptionally intuitive and easy for infrequent users, including hardware engineers.

## **The Manager's Gateway to the Future**

For the project manager Design Gateway provides ultimate control in the system level design process, through the improvement of quality, prediction and reduction of risks, along with the ability to capture project costs up front. For the engineering manager it provides a conceptual design creation environment to boost productivity and improve efficiency within the CR-5000 environment and through native integration of third party tools.

Design Gateway, revision 7.0 is now available worldwide, for more information visit <http://www.zuken.com/designgateway> or contact your local Zuken representative.

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## ***3DVIA Introduces Innovative 3D App for the iPhone***

23 September 2009

Dassault Systèmes (DS) announced the launch of 3DVIA Mobile, an iPhone and iPod touch application that allows users to search, share and interact with the growing library of high quality 3D models on [www.3DVIA.com](http://www.3DVIA.com).

The addition of 3DVIA Mobile brings 3DVIA, a powerful platform for delivering unique, online 3D experiences, directly into the hands of a growing community of mobile users. iPhone users who register at [3DVIA.com](http://3DVIA.com) may quickly search thousands of high quality models posted by the 120,000 members of the [3DVIA.com](http://3DVIA.com) community and 3DVIA's premium content partners. With just the touch of a finger, 3DVIA Mobile users may select, spin, pan, zoom and inspect 3D models in real time.

3DVIA Mobile further enables iPhone users to enhance, or "augment," photographs with highly realistic 3D models from [3DVIA.com](http://3DVIA.com). In a simple use case, imagine a home decorator or student wishing to refurbish her room. With 3DVIA Mobile, this user can use her iPhone to take a snapshot of her room, search [3DVIA.com](http://3DVIA.com) for furniture ideas and overlay 3D models on her photograph to get an idea of what her room could look like. She could then e-mail the saved image to friends and colleagues.

"At 3DVIA, our goal is to make it easy for people to tap into the power of 3D as a communication medium," said Lynne Wilson, CEO, 3DVIA, Dassault Systèmes. "With 3DVIA Mobile, users can find cool, realistic 3D content from our library and immediately enrich their photos, right on the iPhone. They download and position the model on a picture for an instant 3D mash-up that blends 3D digital data with the physical world. It's both fun and viral because people like and want to share their creations."

As 3DVIA's content library continues to expand, and its current 120,000 registered user community grows, 3DVIA Mobile will further evolve as a professional collaboration platform.

3DVIA Mobile will be demonstrated at the Dassault Systèmes Customer Conference, October 6-7, in Orlando, Florida. To learn more about the event, visit:

<http://dassaultsystemes.g2planet.com/dscc09/home.htm>.

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3DVIA Mobile can be downloaded from the App Store for \$1.99 USD, but is being offered free of charge for a limited time starting today. For more information, please visit <http://www.3DVIA.com/mobile>.

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