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Acquisitions

Autodesk Completes Acquisition of Hanna Strategies LLC

7 January 2008

[Autodesk, Inc.](#) announced it has completed the acquisition of Hanna Strategies, a software development firm with offices in Shanghai, Atlanta and Pune, India. On November 1, 2007, Autodesk announced its intention to acquire Hanna Strategies. Terms of the transaction were not disclosed. This acquisition supports Autodesk's leadership in creating digital design innovation technology through its software development.

"The acquisition of Hanna Strategies supports the Autodesk goal of expanding our global engineering and software development programs and to continue delivering leading software design products to our customers worldwide. Merging our talented development teams in Shanghai strengthens Autodesk engineering operations and provides us with internal efficiencies and increases our capacities," said Carl Bass, president and CEO of Autodesk.

The Autodesk development center in Shanghai will combine the operations of Hanna and Autodesk and will be named the Autodesk China Research and Development Center (ACRD). The new name, ACRD, reflects the substantial design and development of Autodesk software products in China.

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"Autodesk has operated in China since 1994 and is committed to the continued development of Autodesk staff and operations there," said Bass. "We're also expanding our work in engineering education in China, and look forward to continuing our commitment to the country and its students."

As part of the acquisition, Hanna Strategies president, Samir Hanna, has joined Autodesk as a vice president in the Manufacturing Solutions division and Chien-Ming Huang, Hanna Strategies general manager, is now vice president at the Autodesk China Research and Development Center. "I am excited to become part of a growing development center that will continue bringing innovative design software to the many industries that Autodesk serves," commented Huang.

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Cranes Strengthens its Presence in the Engineering Simulations Domain - Diversifies its Offerings to Automotive Manufacturers with the Acquisition of Engineering Technology Associates (ETA)

7 January 2008

Cranes Software International Ltd. ([CSIL](#)) has announced the acquisition of US based specialized auto consulting and product development firm, Engineering Technology Associates (ETA) through its subsidiary Cranes Software Inc.,

At a strategic level this initiative represents the Company's foray into the fast growing Chinese Auto market. ETA, a tier one vendor to the top three US car manufacturers was founded in 1983, and is headquartered in Troy Michigan. Their expertise lies at developing Computer Aided Engineering (CAE) centric products for auto safety, vibration, and noise testing, under simulated conditions. ETA caters to the growing safety needs of the auto industry and is recognized for its expertise in simulation testing. ETA products are bundled with LS Dyna.

ETA's long standing relationships with the car manufacturers and their vendors have helped it develop products in specific areas as well as provide high end solutions. A core team of over 120 engineers provide high end consulting to several trans-national automakers and vehicle manufacturers in the US. It has an advanced design and product development centre in China and the Chinese operations are poised for growth in the next few years, in pace with rapid expansion of the Chinese auto industry. CSIL will synergize and expand the design and development efforts between the Bangalore and ETA-China operations with headquarters in Shanghai.

Discussing the value that Cranes will accrue through this acquisition, Asif Khader, Managing Director, Cranes Software International said,

The acquisition of ETA has added tremendous boost to our product portfolio since we are one of the leading providers of CAE centric products ranging from Engineering Design to Product Development to Lifecycle Management, for the auto industry. This acquisition also gives Cranes access to the lucrative Asian markets and thereby expands the operations of the Chinese design centre by forming alliances with leading Asian car manufacturers for end-to-end design and development specifications. Accordingly, Cranes will be able to leverage its core design testing, virtual simulation and product design skills across a broader range of engineering needs to serve the high growth oriented emerging Asian economies.

Key benefits of transaction

- This acquisition will enable Cranes to expand distribution of its flagship NISA suite of Finite Element Analysis (FEA) products along with the products suite of ETA

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- Cranes will have access to the established Chinese design center, which will be expanded and leveraged to form alliances with leading Asian car manufacturers
- Productize the systematic knowledge that ETA has acquired over the last twenty four years of consulting and design services at the development centre in India
- Leverage the core design testing, virtual simulation and product design skills across a broader range of engineering needs that are fast emerging on the Indian landscape
- Greater product support and resources, a broader range of products to meet business needs, a commitment to innovation to meet next-generation technology needs available to customers worldwide

Transaction Details

Cranes is acquiring ETA through its subsidiary in USA viz., Cranes Software Inc and will invest an amount of approximately Rs. 720 million in this including to operationalise the expanded market reach by:

- exploring cross-sell and up-sell opportunities by taking its existing range of products to ETA's client base
- helping promote the CAE business across the globe

Cranes Software has its presence in 39 countries across the world and has a 350,000 strong global user base. Cranes Software offers a range of proprietary products - SYSTAT, SigmaPlot, SigmaStat, SigmaScan, TableCurve 2D, TableCurve 3D, PeakFit, NISA, XID, XIP, Survey ASYST, iCapella, InventX and products from reputed principals such as Engineering Technology Associates, Livermore Software Technology Corporation, The Mathworks, Texas Instruments and IBM.

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EMC Announces Plan to Acquire Document Sciences Corporation

27 December 2007

[EMC](#) Corporation and [Document Sciences Corporation](#) announced that they have signed a definitive agreement whereby EMC will acquire publicly-held Document Sciences Corporation in a cash transaction valued at approximately \$85,000,000. Document Sciences Corporation is a leading provider of document output management (DOM) software that facilitates highly personalized, multi-channel communications to customers, partners and suppliers. The acquisition complements and extends EMC's position in the transactional content management (TCM) marketplace, the fastest-growing segment of enterprise content management.

The board of directors of Document Sciences Corporation approved the transaction with EMC based, in part, upon the recommendation of a special committee of the Document Sciences board of directors that was established to evaluate strategic alternatives. Under the terms of the agreement, Document Sciences Corporation stockholders will receive \$14.75 in cash for each share of Document Sciences Corporation common stock. The acquisition is subject to customary closing conditions, including Document Sciences' stockholder and regulatory approvals, and is expected to be completed in the first quarter of calendar year 2008. This transaction is not expected to have a material impact on EMC financial results in 2008.

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Document Sciences' xPression suite of document output management and customer communications solutions enables organizations to automate the creation and delivery of well-designed, highly personalized communications – from contracts, policies and high-volume relationship statements, to customized marketing collateral and correspondence. Leveraging xPression, Document Sciences' customers benefit from increased customer loyalty; a single, standards-based solution that integrates with enterprise CRM, ECM and ERP systems; and improved design and implementation of business communications.

Mark Lewis, President, Content Management and Archiving Division at EMC commented, “Core to delivering high-value transactional content management (TCM) solutions is a complete suite of technology, including high-volume, content-rich task processing, sophisticated capture, business process management, records management and archiving, as well as automated document output management. The proposed acquisition of Document Sciences would make EMC the first to offer all of these major capabilities in an all-in-one, integrated suite. Building on our recent commitment to deliver end-to-end solutions to solve real-world business problems, Document Sciences provides a tremendous advantage in addressing transaction-intensive applications such as loan origination, new account enrollment, wealth management, brokerage and claims processing. This gives our customers a significant competitive edge to increase customer loyalty and maximize business performance.”

“We are pleased to enter into this transaction with EMC, which we believe provides our stockholders with an attractive value,” said Jack McGannon, president and CEO of Document Sciences. “Since our inception in 1991, our vision has been to empower organizations worldwide with dynamic content publishing solutions to realize productivity benefits, reduce costs, and increase competitiveness. Currently, more than 500 major organizations around the globe rely on Document Sciences solutions to automate the creation and delivery of highly-personalized customer communications across all channels, with more than 100 using our next-generation xPression suite for both high-volume and real-time interactive document generation. Today's announcement with EMC enables us to take this vision one step further – providing us with the financial and technology resources of a proven leader in information management to further cement our market leadership.”

Upon completion of the acquisition, EMC intends to operate Document Sciences Corporation as a business unit within the EMC Content Management and Archiving division.

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CIMdata News

CIMdata Announces the Results of its Simulation and Analysis Poll and Posts a New Poll on PLM Strategy

11 January 2008

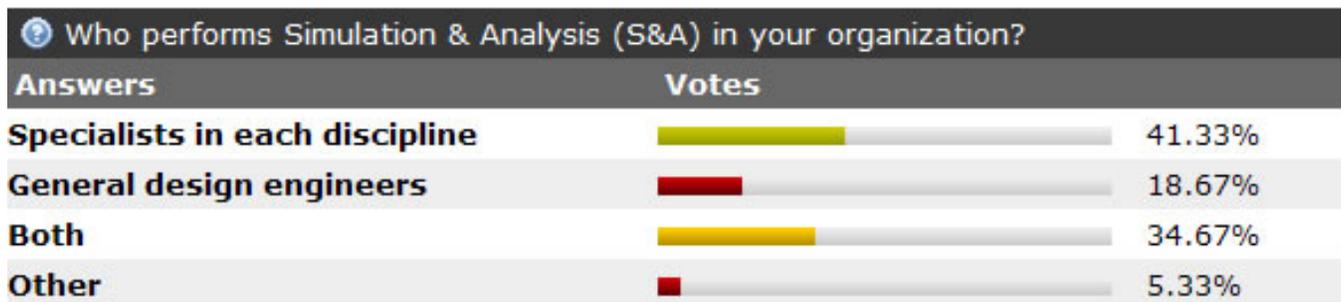
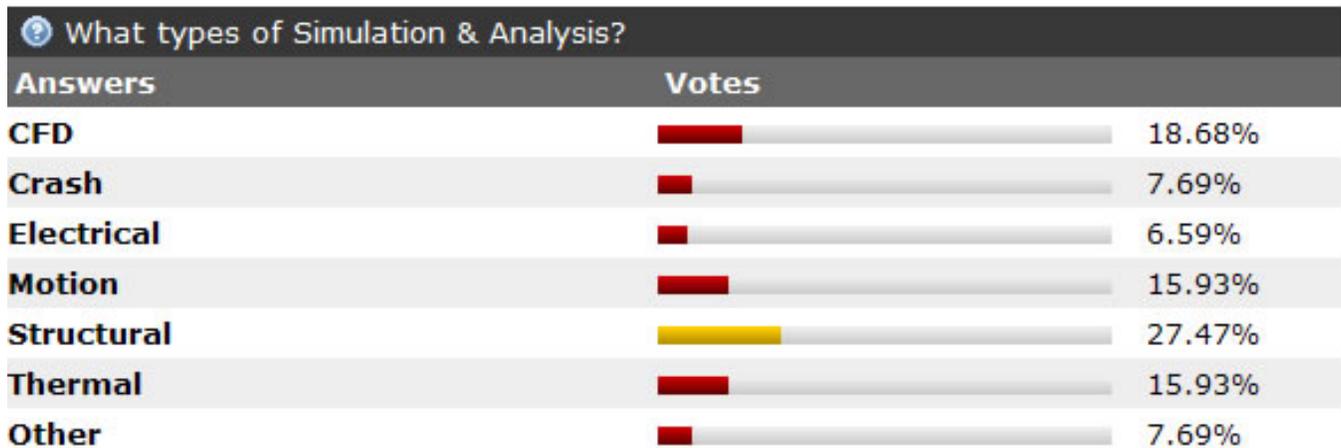
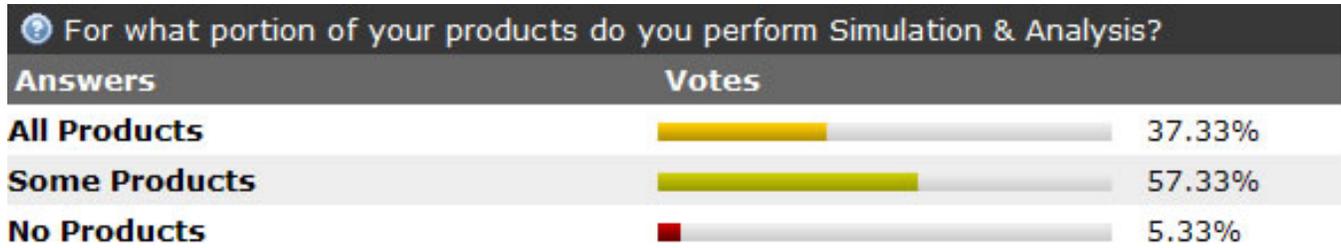
In CIMdata's latest opinion poll, users provided insight as to the level of use of simulation and analysis (S&A) as part of the design and engineering processes. Almost 60% of the respondents indicated that they performed S&A on some portion of their products while another 37% indicated that they used S&A on all their products. Only 5% indicated that they did not use S&A. Structural analysis was the most performed with CFD, Thermal and Motion all approximately equal in use. The respondents indicated that both S&A specialists and general designers are performing S&A.

This poll indicates a growing trend to use simulation and analysis more completely and consistently as

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part of the product development process. It also shows that S&A is being used by more than S&A specialists, i.e., it is becoming embedded in the normal design process. There will always continue to be a need for S&A specialists, and that more comprehensive S&A will be conducted as part of product development. However, embedding S&A capabilities within other tools and the capture of S&A best practices such that they can be shared and reused is enabling a wider group of users to perform many S&A functions. CIMdata expects this trend to continue and that S&A will become a fundamental part of the development process, not just a specialist activity.

Results:



The results of this poll are anecdotal, not scientific.

Please vote on our current poll on your PLM strategy and initiatives. Click [here](#) to vote.

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The results of these polls are tabulated as you vote. The results are completely anonymous. If you are currently logged in your vote will not be connected to your personal information in any way. CIMdata respects your privacy and no personal data will be transferred as a result of voting in these polls.

If you have a suggestion for a poll you'd like to see contact us at info@cimdata.com.

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Company News

ASCON Group and Spatial View Inc. Announce a New Development and Marketing Partnership

9 January 2008

Spatial View Inc., Toronto, Canada and ASCON, St. Petersburg, Russia announced a new development partnership. The alignment pairs ASCON with Spatial View, pioneers in auto-stereoscopic display solutions.

The two companies intend to work closely and cooperate on a number of product development initiatives as well as strategic marketing. Among them the creation of a new Engineering Bundle featuring ASCON's CAD software, KOMPAS-3D paired with Spatial View Multi-User displays resulting in excellent, accurate glasses-free visualization of 3D models. KOMPAS-3D has been successfully used across various industries as a fast and effective CAD solution for 3D solid modeling in automotive, shipbuilding and other industries.

Future efforts will also include direct integration of Spatial View 3D into the next versions release of the KOMPAS-3D software, as well as presentation of joint technology at future trade fairs, like Hannover Messe, an important technology show in April 2008. Joint strategic marketing and coordination with both companies' technology and distribution partners is also planned.

"We're very excited about this partnership with ASCON," says Andreas Kozak of Spatial View. "The SVI-ASCON product combo will be a break through for mid-class companies: a direct, simple, inexpensive solution for construction engineers, designers, developers, and also marketing management. One that features an easy step from CAD to VR as well—useable for discussions, presentations, and analysis—without any extra data to export or any extra VR software or expensive projection systems to purchase."

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Aspen Technology Expands Global Channel Partner Network

7 January 2008

Aspen Technology, Inc. announced the continued expansion of the AspenTech Partner Network Program with the addition of Applied Control Engineering, IMA Industrial, Rovisys, and Zenith Technologies. The new partners provide AspenTech with additional go-to-market resources to expand its leadership position in process industry markets.

Increasingly, more diverse types of process industry companies are seeking to capitalize on the benefits of integrated process optimization solutions. These new partners will strengthen AspenTech's global presence in North America, South America and Europe by providing access to a broad customer base in

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bio-fuels, consumer packaged goods, food and beverage, metals and mining, utilities, and pulp and paper industries.

Many of the industries AspenTech serves face significant challenges such as managing energy costs, escalating manufacturing costs, increased product complexity, and exacting regulatory demands. These hurdles are driving operational imperatives to reduce cost of goods, ensure reliable customer supply, and maintain strict product quality standards. Integrated process optimization solutions such as aspenONE address these challenges, significantly improving overall manufacturing performance and providing enterprise-wide visibility and control over production.

Through AspenTech's commitment to collaboration with partners that possess industry expertise and integration capabilities, aspenONE deployments are implemented more rapidly and with greater sustainability to help maximize value while supporting rigorous industry standards.

"We're excited to team up with AspenTech to enhance Zenith's process industry services and development capabilities by providing our customers with a tightly integrated solution," said Brenden O'Regan, CEO, Zenith Technologies. "AspenTech's Partner Network Program supports Zenith and its customers by providing unrivaled technical solutions and expertise, bolstered by valuable knowledge transfer to help us meet our business development goals."

"As more companies in process manufacturing industries realize the ROI that AspenTech solutions can deliver, they are partnering with industry-specific experts who can help them maximize the value of their deployments," said Blair Wheeler, SVP of Marketing, AspenTech. "The AspenTech Partner Network Program is creating success both for new aspenONE solutions customers and AspenTech partners, while expanding the breadth of our go-to-market resources."

For organizations interested in joining AspenTech's Partner Network, contact Mark Walls at 781-221-5289, mark.walls@aspentech.com, or visit: http://www.aspentech.com/partners/registration_apn.cfm



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Autodesk Opens State-of-the-Art Customer Briefing Center in Oregon

10 January 2008

[Autodesk, Inc.](#) announced the launch of its first Customer Briefing Center at the worldwide headquarters of the Autodesk Manufacturing division in Lake Oswego, Oregon. The purpose of the new Center is to inspire designers and engineers by creating an immersive design environment that showcases how technology can be used to stimulate creativity, increase collaboration across disciplines and foster greater innovation. A state-of-the-art interactive facility, the Customer Briefing Center benefits Autodesk customers and the larger design and manufacturing community by providing a showcase for innovative customer work and creating an environment of learning and discovery.

"We view the Customer Briefing Center as a space to inspire the best designers and manufacturers of today and tomorrow," said Robert "Buzz" Kross, senior vice president of Autodesk Manufacturing. "Companies from around the world, and members of the community, will find this a place to experience design software technology."

A Portland-area business for ten years, the Autodesk Manufacturing Solutions division moved its headquarters to Lake Oswego late last year. Both the office facilities and the new Customer Briefing Center were designed with LEED-certified standards for sustainability.

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The Customer Briefing Center showcases Autodesk's Digital Prototyping technologies, which let designers and engineers visualize, simulate and analyze the real-world performance of their ideas early in the design process. This gives them the flexibility to optimize and improve designs before actually executing them. As a result, Autodesk customers not only see, but experience, their designs before they are real, empowering them to save time and money, improve quality and innovate.

The interactive exhibits at the Customer Briefing Center demonstrate the diverse ways that Digital Prototyping can be leveraged to create the world's next-generation products. From a wheelchair that is improving the quality of life for its users, to one of the world's most advanced remote-controlled demolition robot arms, the Center's exhibits provide a full immersion into the most advanced Digital Prototyping technology for the automotive, consumer product and industrial machinery markets.

Following the opening of the Lake Oswego Customer Briefing Center, Autodesk intends to build additional Customer Briefing Centers in various locations around the world.

"With our first Customer Briefing Center, we are helping customers to experience Autodesk's 3D Digital Prototyping software solutions in an interactive, hands-on environment," said Kross. "As Autodesk opens more locations worldwide, we look forward to engaging even more customers with facilities and programs that stimulate learning, discovery and dialogue."

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Mentor Graphics Announces 20th Annual PCB Technology Leadership Awards Program

10 January 2008

Mentor Graphics Corporation announced the call-for-entries of its 20th annual Technology Leadership Awards competition. Started in 1988, this program is the longest running competition of its kind in the electronic design automation (EDA) industry. It recognizes engineers and computer aided design (CAD) designers who use Mentor's innovative technology to address today's complex PCB systems design challenges and produce industry-leading products.

Prominent experts in the PCB industry will judge the contest, including Happy Holden, senior technology specialist of Mentor Graphics; Gary Ferrari, technical support director, FTG Circuits; Pete Waddell, vice president of UP Media, publisher of Printed Circuit Designs & Fabrication Magazine; and Rick Hartley, senior principal engineer, avionics division of L-3 Communications.

"I'm pleased to see Mentor's continued support for this program," stated Gary Ferrari. "PCB designers are constantly facing new challenges and finding innovative solutions to address them. The Technology Leadership Awards are a great way to showcase the leading-edge design approaches they're utilizing, and recognize the designers and their contribution to the PCB industry."

This year, entrants will be able to submit their design accomplishments in any of six categories representing a wide variety of industries:

- PC computers and peripherals
- Consumer electronics and handhelds
- Industrial control, instrumentation, security and medical
- Military and aerospace
- Telecom switches, network servers, base stations and computer mainframes

- Transportation and automotive

“Mentor Graphics is committed to the PCB systems design community, and our PCB Technology Leadership Awards contest provides the opportunity to showcase the most innovative and talented designers worldwide,” said Henry Potts, vice president and general manager, systems design division, Mentor Graphics. “The program continues to attract the most skilled users of our PCB systems design tools and Mentor expects this year’s competition to be bigger than ever with entries from virtually all the major electronics countries in the world.”

Winners will be named for each category as well as a Best Overall Design. The timeframe for submitting entries is from January 10th through March 14, 2008. Entrants can apply online at <http://www.mentor.com/go/tla>.

About the Technology Leadership Awards Contest

Mentor’s Technology Leadership Award contest is open to any designs created with Mentor’s PCB solutions, including the Board Station®, Expedition™ Enterprise and PADS® design flows. Judging will be based on overcoming complexity challenges, such as small form factor, high-speed content, design team collaboration, advanced PCB fabrication technologies and design-cycle time reduction. Judging will start in mid-March and winners will be announced at the PCB Design Conference East, Tinley Park, IL in May 11-16, 2008.

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SoftInWay Unveils New, Interactive Web Site for AxSTREAM, CFD and FEA Engineering Services

10 January 2008

SoftInWay announced the premier of a new interactive, website. The website contains expanded descriptions of the company’s core business areas: AxSTREAM design, analysis and optimization software, engineering services (CFD, FEA simulations) and turbomachinery flow path design courses and programs.

This website includes a number of new and improved features to help users receive information, request support or quotations, and enhance the overall user experience.

Several of the new features and improvements include:

- Expanded download center
- Streamlined user registration process
- Increased focus on SoftInWay’s Engineering Services Division (FEA and CFD simulations, turbomachinery contract design services)
- Ability to request quotes for engineering services on-line.
- Ability to submit AxSTREAM test case evaluations on-line.
- Easier access to SoftInWay’s rapidly expanding international sales network.
- Simple interface User’s Forum to learn the latest and newest from SoftInWay and our partners and users in industry.

We at [SoftInWay](#) trust that these changes and improvements will make it better and simpler for our

current and future customers to obtain the information, answers and support they are seeking.

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Events News

Arena Solutions Founder/CTO Offers Valuable Insight on Optimizing Design for Outsourced Manufacturing at SolidWorks WORLD 2008

8 January 2008

[Arena Solutions](#) announced that Eric Larkin, the company's co-founder and CTO, will deliver valuable insight about optimizing design for outsourced manufacturing in a special technical training session at SolidWorks WORLD 2008, to be held at the San Diego Convention Center, January 20th-23rd, 2008. In his technical training session on Wednesday, January 23 at 1:30 p.m., Larkin will discuss how PLM software -- particularly SaaS/on-demand PLM -- can address the common challenges product teams have using outsourced manufacturing and drastically reduce new product delays and resulting cost increases. Those interested in attending should register at <http://registration.expoexchange.com/ShowSOL081/Default.aspx> and guarantee themselves a space in this class.

Larkin's session is designed for those in engineering and IT as well as others who wish to gain greater control of their current design and manufacturing process, learn about PLM and its applicability to company and individual success. Attendees will leave the session clearly understanding the reasons for following their design from release, to manufacturing, to obsolescence, knowing who uses their design data, and why they should care. In addition, Larkin will discuss how early and efficient collaboration with manufacturing and sourcing functions is necessary to meet product cost and time-to-market goals.

Conference attendees may also connect with Arena Solutions' PLM experts during SolidWorks WORLD at booth #343 in the Partner Pavilion. A stop at Arena's booth may challenge conventional wisdom about PLM, as visitors learn how SaaS-based PLM can be used to release, manage, and communicate a "single version of product truth" throughout the enterprise and with outsourced suppliers.

"Over 70 percent of Arena PLM users have already realized that Arena PLM and SolidWorks are a great combination for managing the design through manufacturing process," said Eric Larkin, chief technology officer and co-founder, Arena Solutions. "We are looking forward to sharing our capabilities with the rest of the SolidWorks community, especially with regard to how they can increase their effectiveness with new product introductions (NPI) and further streamline their design through manufacturing processes."

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Arrowhead Conferences Announces Early Commercial Input and Pharma/Biotech Product Lifecycle Management Strategies Conference

January 2008

A reduction in R&D pipelines and increased competition from generics and me-too drugs has leaders in the pharmaceutical and biotech industries questioning traditional business models and looking towards product lifecycle management strategies at both the beginning of product development and towards the end of a product's patent life in order to maximize revenue and better manage assets and resources.

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Product lifecycle management is a holistic approach to product development, marketing, and sales which is being increasingly used by pharmaceutical and biotech companies to maximize market impact for new therapeutic products.

Arrowhead's Early Commercial Input and Pharma/Biotech Product Lifecycle Management Strategies brings together leaders from the pharmaceutical and biotech industries to discuss this increasingly important model for success and longevity in the pharmaceutical and biotech marketplaces.

Dates: February 28-29th, 2008

Location: San Diego Marriott La Jolla, La Jolla, CA

Key Themes of this Conference

- Portfolio analysis
- Drug Delivery technologies as tools for product lifecycle management
- Maintaining pipeline flows
- Reformulation strategies
- Strategies for patent extensions and new indications
- Commercialization strategies
- Alliances and their utility in product lifecycle management
- Product lifecycle management in early stages of drug development
- IP Protection and enforcement
- Asset valuation
- Licensing as a product lifecycle management tool

[Agenda](#)

[Pricing](#)

[Hotel Information](#)

[Speakers](#)

For more information about this conference, please contact 1-866-397-1376 or 1-312-244-3703 or email arrowheadconferences@arrowheadpublishers.com

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CGTech to Feature VERICUT 6.2 at MACH 2008

8 January 2008

[CGTech Ltd](#) will exhibit the latest version of VERICUT CNC machine simulation and optimization software at:

MACH 2008 Stand 5644 NEC Birmingham April 20-24, 2008

VERICUT 6.2 features several enhancements that increase the ability of manufacturing engineers to

CIMdata PLM Industry Summary

develop, analyze, inspect and document the CNC programming and machining process.

“VERICUT sits in a unique position in the process chain, in between the creation of the NC program and its physical application on the shop floor,” said John Reed, managing Director, CGTech Ltd.

“VERICUT software development is driven by the evolutionary changes in manufacturing technology: new CAD/CAM software features, new machines and tooling, new machining techniques and processes, and our customers’ needs to implement and improve on these changes. VERICUT 6.2 includes several new innovations to simplify validating even the most complex configurations in order to produce better results and reduce the time spent in the programming and machining cycle.”

NC Program Review Enhancements

A new “NC Program Preview” offers an option to process an NC program in VERICUT without actually simulating material being removed. This “quick check” is very fast and uses much less memory. When in preview mode, VERICUT displays a tool trace of the NC program over the design model. At the end of the preview VERICUT enters NC Program Review mode. Preview checks for collisions, gouges, minimum excess and instances where axis limits are exceeded.

Several new utilities have been added to the NC Program Review window. These include: a Calculator, and user-configurable text Coloring, syntax checking and block renumbering options.

New Tool Setup Wizards

Complimenting the milling tool setup wizard introduced in VERICUT 6.0, a turret setup wizard has been added. The new Turret Setup enables users to easily load, change tools, or change tool positions in a turret. Users can also easily create a swept model of a turret.

The Tool Manager has also been enhanced to enable users to describe the shape, position, and orientation of a waterjet cutter or a tap in a tap tool assembly.

Simulate Tapping

VERICUT now supports simulation and analysis of tapping operations. Tapped holes are visually differentiated from other drilled/bored/reamed holes. VERICUT checks for correct feed rate and direction when using a tap tool, and also detects if the tap hole is pre-drilled too small.

More Powerful X-Caliper

X-Caliper allows users to measure thickness, volume, depth, gaps, distances, angles, hole diameters, corner radii, scallop heights, etc. VERICUT 6.2 can now directly measure the depth of blind holes as well as the top and bottom radius of a countersink. Picking a hole returns the center point.

X-Caliper can also be used to measure the distance between the tool and the stock, and shows the thread features of tapped hole (e.g. pitch threads/inch (or mm), etc.), as it does for turned threads.

Create Setup Plans with Dimensions

A new Setup Plan window is added enabling users to add dimensions or notes to create a drawing of a setup lay-out or setup plan. The setup plan is stored in the VERICUT session and can be output in a VERICUT report.

AUTO-DIFF™ Precision

AUTO-DIFF enables users to automatically detect differences between a CAD design model to a VERICUT simulated cut part. The AUTO-DIFF Surface Range tables now include a value to represent

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surface cuts exactly matching (i.e. with no deviation from) the design model. A separate color can be designated for these features.

CAM Interface Updates

The CATIA V5-to-VERICUT Interface (CATV5) has been updated to:

- enable selecting CATIA sub-programs.
- retrieve cutting tool descriptions from CATIA Resources.
- set the VERICUT working directory to the location specified in CATV5.
- create no table entries, when desired.

The Siemens NX-to-VERICUT Interface (formerly the Unigraphics-to-VERICUT Interface has been updated to:

- support merging the tools in the current NXV session with those in the setup template.
- remove Program Groups that a user does not want to export to VERICUT. Removed program groups are still saved with the NX part.

CGTech also offer interfaces to PTC, MasterCAM, EdgeCAM and GibbsCAM, and interfaces are also available from Delcam, for powerMill, and from Open Mind for HyperMill.

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Cimatron and MetalForming Magazine Attract Hundreds of Die Makers to Online Seminar

10 January 2008

Over 450 tooling and manufacturing executives registered to view an online web seminar (webinar) focused on keeping the die industry competitive. The webinar was held in collaboration between Cimatron, MetalForming Magazine, and the Precision Metalforming Association (PMA). Over 200 attended the live broadcast, and hundreds more are expected to view the recording, which is now available on the Cimatron website at <http://www.cimatrontech.com/>

The hour-long webinar was moderated by MetalForming Magazine editor Brad Kuvin, and included three presentations:

Sam Golan, CEO and President of Cimatron Technologies, Inc., explored how practical lean manufacturing can help the die industry;

Peter Ulintz of Anchor Manufacturing Group discussed the evolving role of die engineering in the new millennium;

The session was concluded with a case study of die maker Cam Tool & Die presented by Cimatron's Alan Zielinski.

“The die maker as a profession is becoming obsolete. It is replaced by die engineers, die assemblers, and metalforming specialists—each responsible for a specific function that requires specialized knowledge,” said Ulintz in his presentation.

“The hundreds of webinar attendees indicate the need for the industry to share knowledge and adopt best practices to stay competitive,” said MetalForming editor Kuvin. “Thank you for a job well done,”

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commented Victor Bodi of Accurate Machine and Tool and one of the tooling executives in attendance following the webinar. “The presentation was highly relevant to our business and stimulated a lively internal discussion on what we should do next.”

“Our goal is to help the tooling industry stay competitive. This is the ninth webinar in our Tool Shop Optimization series, and the level of interest continues to grow,” said Sam Golan, CEO and President of Cimatron Technologies Inc. “Like any manufacturing operation, die makers can benefit from process improvement and elimination of inefficiencies, whether using lean manufacturing or another methodology.”

Industry executives that are interested in learning more about die shop optimization can view a recording of the webinar by signing up on the Cimatron website at <http://www.cimatrontech.com>.

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Delcam to Show Latest PartMaker SwissCAM at SIMODEC

7 January 2008

Delcam’s PartMaker Division will demonstrate the latest release of its SwissCAM software for programming Swiss-type lathes at the SIMODEC exhibition to be held from 4th to 8th March at the heart of the French Alps in la Roche sur Foron. The SIMODEC trade fair, which is held every two years, brings together manufacturers and suppliers in the screw-cutting sector at the heart of the Arve Valley – the world’s highest geographical concentration of screw-cutting companies.

This year is the first time that PartMaker SwissCAM will be demonstrated at SIMODEC. PartMaker SwissCAM is a market leading system for programming Swiss-type lathes supporting all Swiss machine models from builders such as Citizen, Star, Tornos, Maier and many others. While PartMaker has been the standard for CAM software for programming multi-axis multi-spindle machines for years in the United States, its popularity in Europe has grown sharply since its acquisition by Delcam in 2006. PartMaker is available in a wide variety of European languages and supported by Delcam offices throughout Europe, allowing the best software application for automating the programming of multi-axis lathes to be married with the best CAM software support organization in Europe.

The newest version of SwissCAM features a wide range of improvements, including enhancements to the system’s unique synchronisation functionality, improvements in 3D simulation, CAD drafting, the handling of solid models and more optimized 3D milling operations. A number of new options have been added including the Full Machine Simulation module, which allows users to view a photo-realistic 3D model of the machine for which they are programming, and the PartMaker Documentation Wizard, which allows the user to create, preview and print documents incorporating multiple views.

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ESPRIT 2008 at SolidWorks World 2008, San Diego, Calif., Jan. 20-23

7 January 2008

Created by computer-aided manufacturing (CAM) DP Technology, ESPRIT 2008 will be exhibited Jan. 20-23 at SolidWorks World 2008, in San Diego, Calif.

ESPRIT 2008 will be featured at booth No. 801 at the industry show, which will include displays by more than 100 participating SolidWorks partners. Though SolidWorks is a producer of three-

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dimensional mechanical design and three-dimensional computer-aided-design (CAD) software, the company's event will feature solutions designed to meet a variety of machining needs.

One-on-one demonstrations and presentations of new features available within the latest generation of ESPRIT, as well as personal attention from DP staff, will be available to those interested in learning more about the advantages of the software.

With this new version of ESPRIT, DP Technology celebrates the 10th anniversary of the current generation of the ESPRIT CAM system, which was originally introduced to the market in 1986. Advancements available within this latest release include turning stock automation for lathes, EDM machine specific machining technology, improved 3D machining performance, open pocket milling, B-axis turning for 5-axis mill-turn machines, and more.

In addition to increasing the performance of the CAM software, the upgrades available within ESPRIT 2008 and on display at SolidWorks World 2008 reduce the time required to produce part programs while increasing the quality of those programs and helping to reduce machining cycle times.

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Geometric to Demonstrate the Power of Automation with CAMWorks and DFMPRO at SolidWorks World 2008

8 January 2008

Geometric Technologies, Inc. (formerly TekSoft, Inc.) will showcase the latest releases of CAMWorks® and DFMPRO at SolidWorks World 2008 (at booth #539) in San Diego, California, from January 20 to 23, 2008.

CAMWorks was the first SolidWorks® certified Gold CAM product and the first CAM solution to offer knowledge-based feature recognition and associative machining capabilities, integrated into the SolidWorks 3D mechanical design software. The combination of the latest innovations in CAMWorks 2008 and SolidWorks' excellence in design, continue to make CAMWorks a premier CAM solution. The latest release of CAMWorks has over 50 enhancements and new features to machine faster and more accurately. This release has significant advances in 3-axis functionality, new features and cutting strategies for 2 to 5 axis milling, turning and wire EDM. More information on CAMWorks is available at <http://www.camworks.com/>.

The recently launched DFMPRO 2008 add-on for SolidWorks is a "Design for Manufacturability" product developed for designers and manufacturing engineers to facilitate upstream manufacturability validation and identification of areas in design that are difficult, expensive or impossible to manufacture. DFMPRO is engineered for quick and in-depth examination of product manufacturability. A lighter, free version of DFMPRO, DFMPROpress is shipped as a part of every seat of SolidWorks 2008. More information on DFMPRO is available at <http://www.dfmp.com/>.

Demonstrations of CAMWorks and DFMPRO will be available in booth #539 throughout the three-day conference. Attendees will have the opportunity to speak with the company's application engineers and executives and learn about CAMWorks and DFMPRO at the following presentations:

- Geometric Technologies will present "CAMWorks, Machining Intelligence for Automation" at the Certified Partner Theater on Wednesday, January 23, at 12:30 p.m. Director of Support and Services, Michael Sours, will demonstrate the latest innovations in CAMWorks and the close integration in SolidWorks that facilitates machining processes and boosts shop productivity.

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- Head of R&D, Desktop Products and Technologies, Sameer Kondejkar, will provide a hands-on session on “Design for Manufacturability Validation within SolidWorks” in room number 5 B on Wednesday, January 23, at 10:30 a.m. Participants will learn how to optimize design for manufacturability within the SolidWorks environment. Attendees will use integrated DFMXpress and DFMPPro review tools to evaluate design manufacturability. They will learn how to make changes to the design as recommended by the tool, without compromising on intent and functionality.

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IEC Announces 2008 DesignVision Award Finalists and Recognizes Best Design Tools and Products for New Year

8 January 2008

The International Engineering Consortium (IEC) honored the finalists of the 2008 DesignVision Awards by giving tribute to the best design tools and products in the semiconductor industry. The IEC’s first official announcement of winners will take place at the [DesignCon 2008](#) conference and exhibition this February 4-7 at the Santa Clara Convention Center in Santa Clara, CA.

Finalists were chosen from a record number of competing products by a panel of judges selected from the 2008 DesignCon Technical Program Committee, which contributed to the development of more than 120 sessions making up this year’s educational program. This year’s Technical Program Committee consists of 115 of the industry’s top thought leaders.

In each of the eight categories, the 2008 award finalists include the following companies and products respectively:

ASIC and IC Design Tools

Cadence Design Systems, Inc. – Cadence Litho Electrical Analyzer

GiDEL Inc. – PROCStar II

Sequence Design – PowerTheater-Explorer

Design Verification Tools

EVE – Zebu-XXL

Mentor Graphics and Cadence Design Systems, Inc. – Open Verification Methodology

Synplicity, Inc – TotalRecall Full Visibility Technology

Interconnect Technologies and Components

Amphenol TCS – XCede

Cinch Connectors – Cinch® iQ™ Hybrid Interconnect

Sigrity, Inc. – OptimizePI

Semiconductors and ICs

Altera Corporation – Stratix III FPGA

Chip Estimate – ChipEstimate.com and IP Concierge

Gennum Corporation – 3 Gb/s Optical Module

Lattice Semiconductor – LatticeXP2 FPGA Family

Semiconductors and ICs (IP)

ARC International – ARC Video Subsystems

Rambus – The XDR™ Memory Architecture

Xilinx, Inc. – Xilinx® MOST® NIC LogiCORE™ IP Solution

Structured/Platform ASIC, FPGA, and PLD Design Tools

Altera Corporation – Quartus II v7.1 Software with Enhanced SOPC Builder

Lattice Semiconductor – LatticeXP2 FPGA Family

Xilinx – Integrated Software Environment (ISE®) 9.1i

System-Level Design Tools

Carbon Design Systems – Carbon Model Studio

FuturePlus Systems, Corp. – FS5000 Jitterlyzer

Synplicity, Inc. – Synplify DSP ASIC Edition

Test and Measurement Equipment

Agilent Technologies – Agilent N6705A DC Power Analyzer

ASA Corp. – M1 Oscilloscope Tools v5

SyntheSys Research, Inc. – BERTScope Phase Locked Loop Analyzer

The first official announcement of winners will take place at the 2008 DesignVision Awards Ceremony at DesignCon 2008 on Tuesday, February 5, 2008, at noon in the theater of the Santa Clara Convention Center. Entrance to the awards ceremony is complimentary with an Exhibits Plus Pass available at <http://www.designcon.com/2008/register/index.asp>.

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Lectra Presents its Latest Innovations for Footwear, Luggage and Leather Goods at the Materials at WSA Expo & Conference

7 January 2008

Lectra will present its complete, integrated range dedicated to footwear, luggage and leather goods markets at the Materials at WSA Expo & Conference in Las Vegas, Nevada from February 19-21, 2008. The latest versions of Romans CAD Software – state-of-the-art 3D solution which allows for real-time modification, validation and collaboration, will be on display. Learn more about the new generation of automated cutters, combining power with intelligence.

"In a world where globalization dominates local markets, the footwear, luggage and leather goods sector has to overcome new challenges, with consumers being increasingly demanding in terms of style and price," explains Pierre Bonnet, director of the footwear, luggage and leather goods market for Lectra. "For manufacturers to build strong brands, constantly renew their styles and modernize production,

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innovative technologies and comprehensive solutions are vital."

Romans CAD Software Data Management is the only PDM software dedicated to footwear currently available on the market. It significantly accelerates the collection creation process through real-time sharing between decision-makers, designers, suppliers and customers of all data generated during the design phase of new products. This information may be in the form of technical documents but may also be highly realistic 3D simulations. The integration of Romans CAD Software Data Management with other applications throughout the product design chain can more than halve the time needed to design a new collection and cut costs by reducing production time and the number of prototypes needed. Those involved in the process receive and share unique, customized information in real time, regardless of whether they are working on site or remotely.

Pierre Bonnet explains, "With traditional processes, a company with multiple sites needs a certain amount of time to develop a model from the first sketch to design approval. With the tools Lectra is offering, the time needed to develop and approve a virtual product and produce the only physical prototype necessary for final validation is significantly reduced."

Integrating the know-how of designers with the power and ease-of-use of the Romans CAD Software has made designing on a 3D digital last more creative and given better simulation of models and a significantly reduced development process. Romans CAD Software 3D design combines traditional know how from the trade with the latest technological innovations to increase the number of virtual models on the one hand and reduce the number of samples and associated costs on the other. Applying methodologies tailored to the needs of the footwear sector makes it possible to focus on added value during the industrialization phase, and cuts out the repetitive tasks involved in development.

Learn more about Lectra's new cutter range, highlighting Prospin in particular. With each new generation of cutters, Lectra offers improved power, speed, precision, productivity and quality. The new generation of Vectors also provides better communication, is smarter and can diagnose failure risks, call the support center, request a parameter change and deliver performance reports.

The Lumière solution is a key element in optimizing leather cutting for prototypes and small runs. It can be disconnected from the production machines if necessary, and optimizes cutting times by allowing the combination of manual and automatic nesting of specific pieces, guaranteeing maximum process flexibility.

Used with Romans CAD Software Data Management, this complete, integrated range means manufacturers can guarantee the quality of production data, improve the communication of information, gain in performance and significantly reduce material consumption.

The Romans CAD Software range consists of Romans CAD Software 3D Design, Romans CAD Software 2D Pattern, Romans CAD Software Last Maker, Romans CAD Software SL, Romans CAD Software Sole, Romans CAD Software Bag, Romans CAD Software Lumiere and Romans CAD Software Data Management.

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SolidProfessor To Showcase Learning Management System And 2008 Course Library At SolidWorks World 2008

10 January 2008

SolidProfessor announced that it will demonstrate new Learning Management System v2 and 2008

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Course Content at the SolidWorks World 2008 Conference, being held from Jan. 20 through Jan. 23, 2008 in San Diego. The tenth annual SolidWorks World Conference brings together designers, engineers, managers, and partners to discuss ideas, trends, and the technology shaping the future of mechanical design.

As a SolidWorks Solution Partner, SolidProfessor has designed the first of its kind "Search-On-Demand" productivity add-in which is integrated directly inside the SolidWorks design environment and makes it easier than ever for CAD professionals to get their design questions answered fast.

SolidProfessor has course topics ranging from Core and Advanced Concepts Bundles to specialized courses on Advanced Surfacing, COSMOSWorks, Routing, Sheet Metal, PhotoWorks, CAMWorks and SolidCAM among others. Also released recently is a website of archived tutorials from over 100 client submitted questions to their Ask [SolidProfessor](#) newsletter. Course lessons for Update Training 2008 are now available in German, French, Dutch and Spanish with more courses on the way.

"This being our fourth SolidWorks World we're ready for a great event where SolidWorks users from around the globe will have a chance to network and develop their design skills together. This year we will be showing our complete library of 2008 content, introducing our Learning Management System for 2008 which runs as a SolidWorks Add-in and presenting 2008 Update Training in German, French, Spanish and Dutch." said David Ptak, President, SolidProfessor.

"SolidProfessor has built a strong reputation for delivering exactly the self-paced multimedia training design engineers need," said SolidWorks Director of Marketing and Alliances Efrat Ravid. "Together, SolidProfessor and SolidWorks 2008 give engineers the innovative tools, design power, and ease of use to design better products.

The [SolidWorks](#) Partner Program features products and services that complement SolidWorks solutions. Certified Gold Products are fully integrated with SolidWorks and provide users with instant access to the partner application within the SolidWorks window. Certified CAM and Solution Partner products offer a variety of integration methods with SolidWorks software, including direct import of native SolidWorks files, the SolidWorks application programming interface (API), and established industry standard file formats. SolidWorks has more partners in the mid- range CAD market than any competing technologies, with more than 600 companies worldwide participating in the SolidWorks Partner Program.

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Visit Arena Solutions at Booth#343 at SolidWorks World, January 20-23, 2008, San Diego California

January 2008

Arena PLM Product Demonstrations Held Daily

Arena will be holding demonstrations of their on-demand Product Lifecycle Management (PLM) product twice daily at 1:30pm and 4pm.

Technical Training Session

Also, catch Eric Larkin, Arena's CTO for a special Technical Training Session on "Optimizing Design for Outsourced Manufacturing" being held on Wednesday, January 23rd, 1:30 pm.

Abstract: Follow your design from release, to manufacturing, to obsolescence. Learn how SolidWorks customers are using PLM to release, manage, and communicate a "single version of product truth" with

their outsourced suppliers.

Free Exhibitor Hall Pass

For a Free Exhibitor Hall Pass please enter code: SWEX08060 when you [register with SolidWorks](#)

[Enjoy a complimentary copy of Arena's latest whitepaper: Turning Great Designs into Great Products.](#)

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Financial News

Apache Closes 2007 with Twentieth Consecutive Quarter of Record Sales; Company Adds Record Number of New Customers and Optimal Acquisition Exceeds Expectations

8 January 2008

Apache Design Solutions announced that the company has achieved its 20th consecutive quarter of record sales and revenue, while maintaining profitability. Q4 sales consisted of expanded relationships with existing customers, adoption of Apache's flagship RedHawk product by eleven new semiconductor companies, and strong growth in the Sentinel chip-package-system products. During Q4, Apache completed its acquisition of Optimal Corporation to further strengthen and expand its Sentinel product line. Also in Q4, the Common Platform alliance members (Chartered Semiconductor, IBM and Samsung) qualified RedHawk for use in their 65nm reference flows.

"The integration of Optimal into Apache has been a great success, already exceeding our expectations," said Dave DeMaria, senior vice president of Chip-Package-System at Apache (former CEO of Optimal). "We shared our vision and roadmap for an industry-first co-design solution with our customers and received an exceptionally positive response. In addition to the teams successfully integrating, we've added more resources to accelerate our roadmap, and we exceeded our bookings goal in Q4, all in our first quarter as part of Apache."

"We made significant strides helping our customers address the power and noise challenges for chip, package, and system in 2007. We expanded our traditional SoC dynamic power customer base and once again achieved a record quarter in Apache's organic business," said Andrew Yang, CEO of Apache. "In addition, [Apache](#) moved to a new headquarters in San Jose, California to accommodate our growth."

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Cadence Announces Fourth Quarter and Fiscal Year 2007 Financial Results Webcast

4 January 2008

WHO

Cadence Design Systems, Inc. to announce fourth quarter and fiscal year 2007 financial results via Webcast.

WHAT

You are invited to attend the fourth quarter 2007 financial results audio Webcast. Participating on the Webcast will be Mike Fister, president and chief executive officer, and Bill Porter, executive vice president and chief financial officer.

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WHEN

The Webcast will begin Wednesday, Jan. 30, 2008 at 2 p.m. (Pacific)/5 p.m. (Eastern). An archive of the Webcast will be available from 5 p.m. (Pacific) Jan. 30 until 5 p.m. (Pacific) Feb. 6.

WHERE

The Webcast will be available online at: www.cadence.com/company/investor_relations.

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Magma Announces Third Quarter Fiscal 2008 Financial Results Webcast

10 January 2008

WHAT:

Magma® Design Automation Inc. will conduct a live webcast and conference call to review financial results for its fiscal 2008 third quarter, which ended Jan. 6, 2008.

WHEN:

The webcast and conference call will begin Thursday, Jan. 31, 2008, at 2 p.m. PST. Magma will release third quarter financial results after the market close on Jan. 31.

WHO:

Rajeev Madhavan, chief executive officer; Roy E. Jewell, president and chief operating officer; and Peter S. Teshima, chief financial officer, will host the call.

WEBCAST:

The live webcast will be available online at <http://investor.magma-da.com/medialist.cfm>. A replay of the webcast will be available on Magma's website through Feb. 7, 2008.

PHONE:

Listen to the live call by telephone at the numbers below:

U.S. & Canada: (888) 233-7970

Elsewhere: (913) 312-0380

A telephone replay will be available beginning at 5 p.m. PST on Jan. 31 until 11:59 p.m. PST on Feb. 7 at the numbers below:

U.S. & Canada: (719) 457-0820, code #4230942

Elsewhere: (888) 203-1112, code #4230942

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MSC.Software to Host Fourth Quarter Earnings Conference Call and Webcast on February 21, 2008

9 January 2008

MSC.Software Corporation announced that it will host a conference call to discuss fourth quarter financial results on February 21, 2008 at 1:30 pm Pacific (4:30 pm Eastern). The Company also reports that the preliminary revenue forecast for the fourth quarter is in excess of \$67 million.

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The fourth quarter conference call will include a slide presentation that can be downloaded at: <http://www.mscsoftware.com/ir/>. The conference call can be accessed by web cast at: <http://www.mscsoftware.com/ir/> or by dialing in to (800) 374-0151 for US callers, or (706) 634-4981 for international callers. To participate in the live conference call, use the following conference ID code: 30449559.

An archived version of the conference call will be available at <http://www.mscsoftware.com/ir/>. The teleconference replay will be available for 48 hours and can be accessed by dialing in to: U.S. (800) 642-1687 or Intl. (706) 645-9291 using the conference ID code: 30449559.

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Open Text to Report Second Quarter Fiscal Year 2008 Financial Results on Thursday, February 7, 2008

7 January 2008

[Open Text](#)TM Corporation announced that financial results for its second quarter of fiscal 2008 will be released on Thursday, February 7, 2008 at approximately 4:00 p.m. ET.

Teleconference Call

Open Text will host a conference call on February 7, 2008 at 5:00 p.m. ET to discuss the final financial results of its second quarter.

Date: Thursday, February 7, 2008

Time: 5:00 p.m. ET/2:00 p.m. PT

Length: 60 minutes

Where: 416-640-1907

Please dial-in approximately 10 minutes before the teleconference is scheduled to begin. A replay of the call will be available beginning February 7, 2008 at 7:00 p.m. ET through 11:59 p.m. on February 21, 2008 and can be accessed by dialing 416-640-1917 and using pass code 21258637 followed by the number sign. For more information or to listen to the call via Web cast, please use the following link: http://www.opentext.com/investor/investor_events/index.html.

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PTC® to Host First Quarter 2008 Results Conference Call and Webcast on January 23, 2008

8 January 2008

PTC expects to release first quarter fiscal 2008 results before the market opens on Wednesday, January 23, 2008. Following the issuance of the press release, the Company will host a conference call and simultaneous webcast to discuss the results with investors. The earnings press release and accompanying financial and operating statistics will be accessible prior to the conference call and webcast on the Company's web site.

WHO:

Dick Harrison, president and chief executive officer

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Neil Moses, executive vice president and chief financial officer

WHEN:

January 23, 2008, 10:00 a.m. (ET)

DIAL-IN:

888-566-8560 (U.S.); +1-517-623-4768 (International). Please use passcode PTC.

WEBCAST:

To access the live webcast of the conference call, please visit <http://www.ptc.com/for/investors.htm>.

REPLAY:

A replay of the call will be available until 5:00 p.m. (ET) on January 28, 2008. To access the replay by phone, dial 402-220-9786. To access the replay via webcast, please visit

<http://www.ptc.com/for/investors.htm>.

Quarterly conference calls will be archived for public replay for a period of three (3) business days from the date of the live call. Please note that statements on the call are as of the date of the call and PTC does not assume any obligation to update any statements made on the call or the archived call. In addition, matters discussed may include forward-looking statements about PTC's anticipated financial results and growth, as well as about the development of products and markets, which are based on current plans and assumptions. Actual results in future periods may differ materially from current expectations due to a number of risks and uncertainties, including those described from time to time in reports filed by PTC with the U.S. Securities and Exchange Commission, including PTC's most recent reports on Forms 10-K and 10-Q.

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Implementation Investments

Agilent Technologies Announces that STMicroelectronics has Standardized on Agilent's RF Momentum Electromagnetic Simulator

8 January 2008

Agilent Technologies Inc. announced that STMicroelectronics, a global provider of semiconductor solutions for microelectronics applications, has standardized on Agilent's Momentum electromagnetic (EM) simulator as part of its RFIC design process. This integration will speed and streamline STMicroelectronics' RFIC design flow.

"We have a long-standing relationship with STMicroelectronics that began several years ago with their adoption of Agilent's EDA platforms and tools, including our RF Design Environment," said Claudette Venet, Europe sales manager with [Agilent's EEsof](#) EDA division. "They have been a key participant in our Early Access Program, providing valuable guidance to our development team and resulting in an EM tool that meets the company's high standards. I am pleased that our work together will help improve STMicroelectronics' design flow and fuel its continued growth and success."

"When Agilent developed its Momentum solution, they listened to our request for tools interoperability and quickly responded with a best-in-class RFIC design flow," said Philippe Magarshack, vice president, front-end technology manufacturing, STMicroelectronics. "Standardizing on Momentum will

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increase our designers' productivity and flexibility, and reduce time-to-tape-out for new CMOS-based RF designs.”

Agilent Momentum is a 3-D planar EM simulator that combines full-wave and quasi-static EM solvers for passive, interconnect and parasitic modeling. For RFIC design it reduces simulation time without sacrificing accuracy on large structures under a half wavelength. It accepts arbitrary design geometries and accurately simulates complex EM effects including skin effect, substrate effect, thick metal effect and multiple dielectrics.

Agilent Momentum's latest enhancements, along with the joint effort of the two companies to completely integrate it into the Cadence-based design flow allows STMicroelectronics designers to perform optimum modeling on interconnect and complex spiral inductors on complementary metal-oxide-semiconductor (CMOS) processes such as HCMOS9 and CMOS65.

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Battelle Pioneers New Corporate Engagement Model for Deployment of PTC® Global Education Program for Engineering

9 January 2008

[PTC](#) announced that Battelle has incorporated the PTC Global Education program into its enterprise-wide education initiatives dedicated to advancing science, technology, engineering and mathematics (STEM) education. Battelle is a global science and technology enterprise that explores emerging areas of science, develops and commercializes technology, and manages laboratories for customers. Recognizing the global workforce challenges imposed by the shortage of qualified workers in science and technology fields, PTC and Battelle share a commitment to positively impact science, technology, engineering and mathematics education.

The PTC Global Education Program provides free licenses of Pro/ENGINEER® Schools Edition design software, curriculum and projects to middle and secondary schools upon completion of teacher training and certification. The training is normally delivered by other trained teachers already engaged in the program. Battelle recognized that it could provide significant value by training some of its own engineering staff to conduct educational workshops for teachers. In the Battelle model, the teachers benefit by receiving training from industry professionals who are experienced users of Pro/ENGINEER. Nominal training fees are underwritten by the school district and training time and resources are donated by Battelle. In its first workshop, Battelle engineers, Chris Brandon and Steve Madland, provided training to teachers representing seven schools in Franklin County, Ohio school districts.

An innovative extension to the training program is the establishment of after school STEM clubs for students and teachers. Battelle found that upon initial completion of training, many teachers faced the challenge of incorporating the STEM focused training into their existing curriculum. Battelle seized the opportunity to create the “Battelle Engineering Experience” (B2e), with the development of STEM clubs offering ongoing teacher training, student mentorship, curriculum development and exposure to industry tools. Over fifty students participated in the first B2e STEM club session. Each weekly two hour STEM club session now consistently attracts approximately 30 students. Three schools currently offer the after school experience. The goal is to establish STEM clubs in all Columbus, Ohio school districts.

Battelle is currently developing an industry-driven open source curriculum program as the next step in its multi-pronged approach to increasing STEM skills. The program will offer teachers STEM-focused curriculum driven by real industry problems and design challenges for classroom use. Battelle plans to

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create and support infrastructure utilizing PTC Windchill® as the collaboration backbone of an information portal. Students and teachers will strengthen their STEM skills by applying them to solve the same problems faced by industry professionals. The projects will then be funneled back into the program for use by other participants. Battelle will use the collaboration portal to follow up with teachers to keep them actively engaged in the program.

“[Battelle](#) prioritizes our education initiatives on the same level of critical importance as our research and development mission,” says Chris Brandon, B2e Team Battelle project director. “The shortage of qualified technology workers will impact our nation’s ability to successfully compete in a global economy. Battelle is committed to doing its part to reverse that trend by creating and supporting programs that can be replicated and sustained throughout our schools and communities.”

“PTC applauds Battelle’s innovative approach to equipping students with the STEM skills that they will need to be successful in the future,” says John Stuart, senior vice president, global partners and education, PTC. “The B2e initiative demonstrates what can be achieved when technology industry professionals partner with education to tackle this problem. We look forward to working with Battelle on future projects.”

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Catalog Data Solutions CAD Download Solution Adopted by Assured Automation

8 January 2008

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

Assured Automation is a leading provider of automated valves and flow components for industrial process control applications. Our product line consists of a complete offering of standardized automated valve assemblies with a variety of commonly used accessory items

Responding to customer requests for CAD models of its products, Assured Automation decided to offer 3D CAD models of valves for download from its web site. “Our Goal is to make the selection, estimating and delivery of high quality automated valves and flow components as quick and easy as possible – obviously a CAD download service helps achieve that,” said Mike Farrell, VP Marketing, Assured Automation. “With the addition of 2D/3D CAD drawings to our website, we are meeting that need for Pro/Engineer, SolidWorks, Inventor, AutoCAD Mechanical or other commonly used CAD programs and we are expecting an increase in sales as a result.”

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

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Fluid Simulation Reduces Extractor Hood Design Time

January 2008

Marenco AG used EFD.Lab engineering fluid dynamics software from Flomerics to design a new extractor hood for one of their clients. The combined design and analysis time required only half the time it would have required in comparison to traditional engineering methods. Placed over a cooking range, extractor hoods remove grease, smoke and odors from the kitchen. They rely on a combination of a fan and a filtration system to extract and or clean the air. The new extractor hood designed by Marenco is not only more efficient but also operates at a lower decibel-level than others. In consumer environments, a premium is placed on these extractor hoods as they create less noise.

“Using EFD.Lab enabled us to develop this new product in record time and significantly reduced the number of physical prototypes we needed to test” said Hans-Peter Keel, mechanical design engineer at Marenco. “Because our team was able to develop this model so quickly our customer was able to take their product to market much faster than their competitors.” The new extractor hood was introduced to the consumer market in August 2007.

Since 1997 Marenco AG has been offering innovative engineering and consulting services to companies such as Hilti AG, Roche and Bosch within the automotive, aerospace and industrial equipment industries. As a design specialist, Marenco relies on a combination of UG NX for solid modeling and EFD.Lab for computational fluid dynamics analysis.

“We originally invested in EFD.Lab for a specific project. We found that it offered the same functionality as CFX or Fluent and was also much more affordable. Since then we have used EFD.Lab for many other applications” added Keel. EFD.Lab proved especially helpful in their latest project as it is extremely difficult to see inside the exhaust enclosure and how the various components interact with one another. “When you have airspeed over 9 meters per second you get a fair amount of noise. EFD.Lab helped us find the point where the noise originated so we were able to modify our design to reduce noise.” Also, extractor hoods rely on a filtration system to remove smoke and fat particles from the air. “This air needs to be taken out of the room but you don’t want it to pollute the extractor hood or any of the other components during the extraction process. Through simulation we predicted the most impacted area of the filter and the best geometry for the porous filter material. The simulation also helped us predict the rate at which filters would clog in normal use, and hence to inform our client that to maintain effective filtration, filters need to be cleaned every 2-3 years.”

“The entire design, simulation and physical testing process took half the length of time it would have taken using traditional design processes. “We always test all designs by building a physical prototype and comparing it with the simulation results but simulation helped us reduce the number of physical prototypes drastically as we were able to get reliable performance information very quickly. With EFD.Lab, I can do what I need to do faster and better by locating the critical problem areas quickly. It can be very difficult to investigate problems on a physical prototype but with EFD you can put your finger right on the problem and fix it immediately.”

Interested readers may watch a free EFD.Lab online demo at

<http://www.flomerics.com/products/efd/demo.php>. To learn more about Marenco AG, please visit <http://www.marenco.ch/>



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French Engineering Services Provider, SEGULA, Selects Altair HyperWorks

7 January 2008

[Altair](#) Engineering, Inc. announced that SEGULA, a leading French engineering services company, has selected Altair HyperWorks as a major simulation platform for key aerospace and automotive projects. SEGULA will utilize HyperWorks to support consulting engagements at customer sites and within their offices in France and Italy. In addition, SEGULA plans to extend the use of HyperWorks more broadly throughout their global operations. SEGULA uses the entire HyperWorks suite including its solver solutions, modeling and visualization tools and structural optimization technologies.

“Altair is more than a software provider for us – in fact they are a competent partner who provides us with all the simulation tools we need,” said Bilal Anbari, President of SEGULA Automotive. “At [SEGULA](#) we manage projects from design through development, including all of the simulation tasks involved. With HyperWorks we are not only able to address our customers’ needs, but we have also increased our internal productivity. Some of our customers request that we work with HyperWorks while others have added the HyperWorks platform to their development process following our recommendation. Altair’s flexible licensing system allows our engineering staff to access the entire HyperWorks suite of tools throughout all phases of the development process. Currently, we use HyperWorks in France and Italy but plan to extend usage throughout other international SEGULA offices,” added Philippe Hidden, managing director vehicle engineering division, SEGULA Automotive.

“We are very pleased to see SEGULA using our products in their customer projects,” said Mauro Guglielminotti, Managing Director, Altair Engineering, France. “When Altair acquired the RADIOSS suite from Mecalog in Summer 2006, SEGULA took over Mecalog’s Services Department. A close partnership between Altair and SEGULA was the natural result of these acquisitions. Today, SEGULA uses all of our tools and provides services and support for these products to their customer base. In the future, I see this partnership growing and am sure that more and more SEGULA customers will benefit from the collaboration.”

Built on a foundation of design optimization, performance data management and process automation, HyperWorks is an enterprise simulation solution for design exploration and decision-making. As a comprehensive, open-architecture CAE solution, HyperWorks includes best-in-class modeling, analysis, visualization and data management solutions for linear and non-linear structural optimization, fluid-structure interaction, and multi-body dynamics applications.

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iC-Haus Converts to Synopsys HSIM-XA for Their Zero-Defect Mixed-Signal Chips

7 January 2008

[Synopsys, Inc.](#) announced that iC-Haus GmbH, a leading manufacturer of standard integrated circuits (ICs) and customized ASIC semiconductor solutions for industrial, automotive and medical applications, has deployed Synopsys' HSIM-XA solution for precise circuit simulation with full-chip complexity. iC-Haus switched to HSIM-XA after an extensive evaluation that clearly demonstrated its ability to reduce simulation time from six hours to just minutes and deliver superior performance and accuracy over previous solutions.

"Our high-performance products must adhere to the ISO 9001-certified 3-Zero Program: zero defects from production test, zero defects in product lifetimes, and zero redesigns," said Dr. Heiner Flocke,

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CEO of iC-Haus. "To meet these high standards, the entire microsystem must be verified at the transistor level with parasitic effects, which we were unable to achieve with our previous solutions. Significant enhancements to performance and accuracy were the key decision factors for us to convert to Synopsys' HSIM-XA. The results have been correlated to actual mixed signal silicon, achieving our goal of delivering 3-Zero products."

XA acceleration technology allows customers to achieve HSPICE® accuracy while delivering orders-of-magnitude-higher performance and capacity than existing FastSPICE simulators. XA's superior performance derives from a combination of advanced technologies, including compiled code simulation algorithms for faster transient analysis, topology and behavior-driven recognition algorithms to optimize simulation capacity, and an adaptive multi-rate evaluation engine delivering HSPICE accuracy with higher throughput. Combining the robust XA acceleration technology with either NanoSim® or HSIM® delivers a complete transistor-level verification solution.

"The innovative technology in HSIM-XA enables customers like iC-Haus to quickly and accurately verify their mission-critical designs. This is a clear testimony to the benefits of using Synopsys' comprehensive circuit simulation solution," said Paul Lo, senior vice president and general manager of the Analog/Mixed-signal Group at Synopsys. "The XA acceleration technology augments our proven NanoSim and HSIM simulators to deliver "out-of-the-box" SPICE accuracy while maintaining FastSPICE performance and capacity."

Information is available on the iC-Haus at <http://www.ichaus.com/>.

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Mizuno Uses PTC® Pro/ENGINEER® to Design Its Latest Golf Club

8 January 2008

[PTC](#) announced that Mizuno Corporation has used Pro/ENGINEER, PTC's 3D integrated CAD/CAM/CAE software, to significantly streamline its product development process. With Pro/ENGINEER, Mizuno was able to increase the speed and accuracy of information from designers to develop its new golf club driver, "Mizuno MP-600 Fast Track," released on December 1, 2007 in Japan.

The Mizuno MP-600 Fast Track supports the "custom fitting" concept, which has been adopted in many products in the North American and European markets, having adjustable weights in its head sole. The driver enables the player to choose from 15 center-of-gravity (COG) settings and change their trajectory to fades or draws by the practical width of approximately 13 yards.

Initially, the Mizuno MP-600 Fast Track development project had been discontinued because the complexity of the product shape caused production process inefficiencies, which made it impossible for Mizuno to meet its target production cost. Subsequently, Mizuno had its overseas manufacturing sites use Pro/ENGINEER for communicating and verifying 3D models. As a result, the designers were able to communicate their design intent to manufacturing and ultimately design a club head that could be mass-produced without the significant amount of time and effort previously spent on creating and verifying wooden molds each time the design changed.

The Mizuno MP-600 Fast Track was developed using new concepts and mechanisms to improve product innovation. Numerous virtual prototypes were created in defining the best performing design, making a variety of adjustments to the shape, depth, track location, and associated COG changes. Leveraging Pro/ENGINEER, Mizuno designers had the ability to instantly simulate designs with new ideas and also

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define the optimal COG, which helped Mizuno drastically improve the efficiency of its prototyping process.

"Capturing customer needs and quickly developing the products that incorporate those needs is the most important aspect of our business. Product development resources are now required to have more advanced skill sets to support a product development cycle that has become increasingly shorter in recent years. In developing the Mizuno MP-600 Fast Track, Pro/ENGINEER enabled our designers to instantly determine whether the design was in line with their design concept and intent without the need for physical prototypes to validate the design. Pro/ENGINEER is now an essential part of our product development process that requires both speed and quality," said Mr. Masao Nagai, director, Golf Product Development Department, Product Development Division, Mizuno Corporation.

"Global competition has created a tough business environment for many manufacturers and produced constant pressure to more efficiently generate quality products in shorter timeframes," said Michael Campbell, senior vice president, product management, PTC. "Mizuno is using Pro/ENGINEER to increase its competitiveness by pairing digital product development with the craftsmanship that has always helped Mizuno create quality products."

[Mizuno](#) will continue to leverage Pro/ENGINEER in its driver product development. It plans to integrate all the processes from design through production including common 2D drawing and 3D CAD data formats for sharing geometries, dimensions, drafts and other types of information in order to improve product development and production efficiency.

For more details on the Mizuno MP-600 Fast Track, please visit <http://www.mizunousa.com/equipment.nsf/AllProduct/7FCB6C91761B285B85257352003A3145?openDocument&div=golf&cat=woods>. (Due to the length of this URL, it may be necessary to copy and paste it into your Internet browser's URL address field. You may also need to remove an extra space in the URL if one exists.)

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Novenco Chooses Configit

7 January 2008

Novenco standardize on Configit Product Modeler and Configit Runtime for .NET for in house design, development and maintenance of user friendly configurators

Novenco is one of the world's leading suppliers of quality solutions for heating, ventilation and air conditioning as well as fire fighting on land and at sea.

Ownership of configuration capability

Novenco wants to control the design, development and maintenance of user friendly configurators for their products by using in house skills and standard tools. This requires the right platform for product modeling and for developing and deploying the configurator powered applications to end users.

Novenco has chosen to standardize on Configit Product Modeler for product modeling and on Configit Runtime for .NET as the basis for configuration powered applications.

Configit welcomes the Novenco team of product modelers and application developers to the growing community of users of our software. Novenco is a very mature organization with respect to configurator technology and we consider it an important affirmation of our technology and product strategy that

Novenco has chosen to standardize on Configit Software Suite.

About Configit Software A/S

Configit Software is a Copenhagen-based independent software vendor that offers third generation configuration solutions to companies with product configuration needs. The configurators are used for exploring the variance in product development, for sales configurations, and for maintenance, service and overhaul of complex products. A standalone version of the software tool can be freely downloaded in a trial version from the company's [website](#).

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Petrobras Relies on ANSYS Simulation Technology as a Key Enabler for Product and Process Design Innovations and Operational Excellence

7 January 2008

[ANSYS, Inc.](#) announced that Petróleo Brasileiro S.A. (Petrobras) in Brazil, one of the world's most innovative integrated oil and gas companies, has broadened its technology relationship with ANSYS. Petrobras will utilize multiple simulation and modeling applications from ANSYS in pursuit of its innovation initiatives in product and process design, enhancing its operational excellence in production, refining and processing.

“Simulation-driven product and process development is helping us to improve the performance of refining equipment through the study and application of new technologies. It is a key element of our innovation strategy and in maintaining our global leadership,” said Maucir de Almeida, refining process optimization manager at Petrobras headquarters. “The breadth and depth of the ANSYS product portfolio, with its unparalleled modeling and high-performance computing (HPC) capabilities, makes it uniquely appropriate to address the full range and complexities of our applications that require rapid, high-fidelity simulations.”

Currently, technology from ANSYS is a part of the design process at Petrobras' Research and Development Center (CENPES), the heart of the company's expansion in the world energy scene. “In our group, for example, engineers are using large and complex computational fluid dynamics (CFD) studies, running in clusters, to analyze the flow behavior inside different pieces of equipment. These simulations are helping us to propose modifications and test new scenarios that lead to more efficient and reliable refinery processes,” said Washington Geraldelli, basic engineering coking and separation manager at CENPES. “Today at several refineries, we have a range of equipment operating better as a result of new technologies that were tested using CFD from ANSYS.”

Oil and gas-affiliated companies around the globe use multiphysics and HPC-based engineering simulation solutions from ANSYS for a variety of applications, spanning the entire value chain from reservoir to gas pump. For example, current field development decisions are driven by both economic and technologic viability. The available petroleum supplies are in smaller reservoirs, deeper waters and harsher environments, with ever increasing engineering challenges (for example, the recent discovery at Tupi field by Petrobras, located under a thick layer of salt at a depth more than 4.5 miles beneath the ocean's surface). The reserves usually require additional processing before they can be transported for refining. Engineering simulation tools from ANSYS assist petroleum and service companies not only to evaluate and assess feasibility but also to reduce risk and increase reliability of equipment and processes.

Beyond discovery, solutions from ANSYS enable product and process design innovations, reduce the

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cost of experimentation, and help improve reliability and safety. Typical applications in the oil and gas industry include exploration of new technologies for upstream drilling, evaluation of enhanced oil recovery technology, offshore platform safety and operation, addressing regulatory requirements for critical designs and off-shore operations, erosion in equipment and piping, and accounting for thermal and highly nonlinear stress effects in onshore and offshore oil and gas machinery.

“We are pleased seeing our relationship with Petrobras grow over the years. The affiliation is a validation of both our strategy and our solutions along with the value they create for the oil and gas industry. We view our relationship with Petrobras to be critical in allowing us to continue our leadership in delivering comprehensive engineering solutions to the oil and gas industry,” said Chris Reid, vice president of marketing at ANSYS, Inc.

Engineering Simulation and Scientific Software (ESSS) Ltda., an ANSYS channel partner in South America, has been working very closely with Petrobras. “ESSS has exceptional engineering talent on-site at Petrobras and is well positioned to represent and support CFD solutions from ANSYS. We will continue to strengthen our support of Petrobras and build additional capabilities useful for all aspects of the oil and gas industry in South America,” said Marcus Reis, director at ESSS.

About Petrobras S.A.

Petróleo Brasileiro S.A. operates in a number of areas in the energy sector. The company’s operations are divided into Exploration & Production, Gas & Energy, Supply, and International, ranging from oil and gas exploration to distribution, passing through refining and supply. The company is one of the largest oil companies in the world — with more than 100 production platforms, 16 refineries, 30,000 kilometers of ducts, and 6,000 gas stations, employing some 68,000 people and having earned U.S. \$14 billion in 2006. Petrobras is headquartered in Rio de Janeiro and has offices and administration managers in major Brazilian cities. Petrobras is also present in other countries, namely Angola, Argentina, Bolivia, Colombia, Nigeria, and the United States, as well as having the support of its overseas offices in New York and Japan.

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Poclain Hydraulics Powers-Up Efficiency of Global Operations with Help from Zuken

8 January 2008

The French hydrostatic transmissions specialists, Poclain Hydraulics, have boosted their international design with the help of Zuken’s electrical design suite, [E³.series](#). The roll out of E³.series software began in France with further global expansion in progress.

The international standardization of electrical and hydraulic design will drive Poclain Hydraulics efficiency and quality up across the world. Strengthening global capabilities to meet the company’s growth will have a significant impact on the competitive edge and gross profit generating capabilities of the company.

The solution, that will involve the roll out of E³.cable, a dedicated design module for electrical cable harnesses and hydraulic systems, will allow Poclain Hydraulics to automate many time-consuming manual tasks involved in designing piping and wiring diagrams. This global approach will enable them to standardize their processes, while implementing a flexible solution that fits their unique design requirements.

Mr. Cédric Magnien, Group Application Engineering Manager at Poclain Hydraulics, comments on the

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usability, flexibility and integration capabilities that E³.cable offers to Poclairn Hydraulics : “Previously we had a very common 2D drawing software package, not optimized for piping and wiring diagrams, but needed to improve our data organization and adapt our tools to our growth and our international network. We needed a user-friendly, efficient schematic tool that would be used by designers located in remote offices, who may not use the tool more than once per week. Compatibility and interfacing with our existing workflow tools was also a must. E³.series met our needs and was very well accepted by the team immediately after the first demo was performed”.

“After performing a one-year comparative field test with several suppliers, this decision is for the long term. We visited all potential suppliers to compare their working methods, development procedures, and customer request management. We were impressed by Zuken’s high quality products and their corporate organization that takes into account field requirements and customer needs”, added Mr. Magnien.

The deciding factors for selecting E³.series came down to the solution flexibility, ease of use, integration simplicity, and functionality that allows a global approach with a shared database for all designs. Innovation, dynamism and a high level of productivity are the rules of this agreement based on strong added value.

For more information on E³.series visit www.zuken.com

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Product News

Actify Renews Contract With Distributor 3D View GmbH

8 January 2008

Actify Inc. announced that 3D View Software Distribution GmbH has renewed their contract, extending their role as the leading distributor of Actify’s Suite of Products in the German speaking countries and Eastern Europe. 3D View brings years of selling experience to the table and a solid reputation among organizations in the manufacturing industry, making them a valuable partner to continue working with.

“We are very pleased to continue our relationship with 3D View,” said Chris Jones, President of Actify. “They have been representing the Actify Suite of Products successfully for many years, and with our recent product releases for DesignShare, we expect to continue seeing great things from them.”

[Actify](#) products enable manufacturing companies and their worldwide supply chains to securely access and distribute 2D and 3D CAD files without the need for costly CAD systems or complex data management systems. Recently Actify has expanded its DesignShare product line, adding value to this SharePoint-based collaboration solution for customers and prospects who need to share all manufacturing data and information securely and maintain pre-established business processes and project management.

“Actify offers unique design data communication and collaboration solutions for the manufacturing market,” said Jochen Layer, Managing Director of 3D View Software Distribution GmbH. “Many of the business issues our customers or new clients bring to us, we have found Actify’s Suite of Products to be the most comprehensive solution in the market, our partnership has proved to be most profitable and we have seen significant growth over the past few years, one of the reasons we want to continue offering Actify’s solutions.”

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Headquartered in Leonberg, Germany 3D View has been providing products, support and services to German manufacturers since 1997. Its customers include Daimler AG, Georg-Fischer Automotive, IBF-Automotive, Marquardt GmbH, and Voestalpine Polynorm Grau and more.

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Browzwear Develops New Software Features, Promoting Better Collaboration in the Fashion Industry

8 January 2008

Browzwear International unveiled V-Stitcher™ 4.2, the newest version of its 3D fashion design application. By improving fabric simulation and adding new features, including 3D notes and custom camera angles, [Browzwear](#) delivers superior creative freedom and better collaboration capabilities.

Browzwear's software is unique in its ability to simulate real-life fabric draping in real time. The new intuitive collaboration features empower designers, pattern makers, retailers, brands and manufacturers, promoting better communication throughout the entire design process. V-Stitcher 4.2 also delivers faster and more lifelike simulation than ever before, introducing a smocking effect for loose fitting garments, new hairstyles, a new anatomically accurate baby avatar and big-size woman avatar.

"The increasing demands of the fashion and textile industries for solutions that would bridge the communication gap have challenged us, at Browzwear, to create new collaboration tools," says Aviel Sherbu-Cohen, Browzwear's CEO. "Browzwear is committed to the advancement of 3D fashion design and communication technology for the 160 industry-leading clients already enjoying this competitive edge, and for those still to come".

About V-Stitcher™

V-Stitcher™ integrates conventional design techniques, empowering them with real-time, true-to-life 3D technology. The software infrastructure utilizes the CAD-CAM industry standard, enabling users to create a virtual 3D garment and model it on a customized 3D human figure (avatar). The V-Stitcher™ is also a communication solution ensuring real-time 3D representation of the garment design at any remote location. As a design and communication integrated solution, V-Stitcher optimizes the entire product lifecycle from concept to shelf for cost-effectiveness, time efficiency and flexibility.

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Cadence and Mentor Announce Immediate Availability of the Open Verification Methodology

9 January 2008

Cadence Design Systems, Inc. and [Mentor Graphics Corp.](#) announced immediate availability of the Open Verification Methodology (OVM), which was recently awarded a "2007 BEST" award for EDA technology from Electronic Design Magazine. Distributed under the standard open-source Apache™ 2.0 license, the OVM source code, documentation and use examples may be downloaded free of charge from <http://www.ovmworld.org/>. The OVM Web site is the central point of access for the OVM source code, providing information about partners, events, seminars, training, how-to instructions and future plans.

The OVM, based on IEEE Std. 1800™-2005 SystemVerilog standard, is the first open, language interoperable, SystemVerilog verification methodology in the industry. The OVM provides a

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methodology and accompanying library that allow users to create modular, reusable verification environments in which components communicate with each other via standard transaction-level modeling interfaces. It also enables intra- and inter-company reuse through a common methodology and classes for virtual sequences and block-to-system reuse, and full integration with other languages commonly used in production flows. As a joint development initiative between Mentor Graphics® and Cadence® Design Systems, the OVM is supported on multiple verification platforms ideally suited to both novice and expert verification engineers.

"Open source, plug-and-play reuse, and multi-language support are the leading requests from our verification and training customers," said Yoshifumi Nagano, CEO of hd Lab, Inc. "We have reviewed other methodologies in the market, but only OVM offers this combination of capabilities. We are pleased to see the first release of the OVM source code and believe this will increase our efficiency."

The OVM includes the foundation-level utilities necessary for building advanced object-oriented, coverage-driven verification environments and reusable verification IP (VIP) in SystemVerilog. The OVM reduces the complexity of adopting SystemVerilog by embedding verification practices into its methodology and library, and significantly shortens the time to create verification environments. It easily integrates plug-and-play VIP and ensures code portability and reuse.

"As a leading supplier of silicon IP, Denali is pleased to see the significant traction OVM has gained throughout the industry," said Juirong Cheng, vice president of engineering at Denali Software. "The OVM 1.0 achieves the fusion of open SystemVerilog and interoperability required to enable adoption across our broad customer base. The OVM source code, documentation, and examples have the quality and interoperability we need to deliver OVM-compliant VIP this year."

"The Open Verification Methodology represents a major step forward in protecting our customers' investment in verification flows and reusable verification IP," said Robert Hum, vice president and general manager of Mentor Graphics Design, Verification and Test Business Unit. "After extensive customer interaction, we believe OVM will definitely accelerate the move to SystemVerilog, and provide significant competitive advantage to design and verification teams around the world."

"We have discussed OVM with more than a thousand engineers at customer sites and have worked with more than a dozen customers and partners during the beta period," said Ziv Binyamini, corporate vice president, Product and Technologies Organization at Cadence Design Systems. "The level of interest in OVM is overwhelming, so we are pleased to be able to make it available to the entire industry as a critical step in delivering on the full promise of SystemVerilog."

"Doulos is pleased to be associated with the first public release of OVM, and to have worked closely with the Cadence and Mentor teams to ensure OVM adopters have access to high-quality training aligned with this release," said Rob Hurley, CEO of Doulos. "OVM addresses the very real market need for a standard verification methodology based on SystemVerilog, and does so in style."

Availability

A production version of OVM is available immediately with additional functionality planned for release later in 2008. Cadence and Mentor have collaborated to ensure that the OVM runs on their simulators and enables backwards compatibility with their existing environments, Advanced Verification Methodology from Mentor Graphics, and Incisive® Plan-to-Closure Methodology (Universal Reuse Methodology module) from [Cadence](#).

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Dassault Systèmes Partners with Integware to Deliver Industry Focused Solutions for Life Sciences and Consumer Packaged Goods Industries

9 January 2008

Dassault Systèmes announced a business alliance agreement with Integware, Inc. Integware will become a gold partner in the [DS](#) Component Application Architecture (CAA) Software Community Program expanding DS's footprint in key industries.

The two companies will work together to develop deep domain solutions for life sciences and CPG companies that will combine ENOVIA's PLM technology with Integware's fifteen years of implementation and solution development experience and history of success with industry leaders such as Johnson & Johnson, Medtronic and Abbott.

According to Joel Lemke, ENOVIA CEO, "Medical Device and CPG companies of all sizes face a competitive marketplace where it is vital to deliver innovative new products while ensuring compliance with increasingly stringent federal regulations that govern most aspects of design and manufacturing. This alliance with Integware will enable us to leverage their impeccable history of customer success, and provide our customers with the solutions they need to promote innovation, improve product quality, and automate manual, paper-based processes that address many FDA and other regulatory compliance risks."

According to Chris Kay, [Integware](#) CEO, "Integware is extremely excited to work together with Dassault Systèmes and ENOVIA. We felt it was the next best step in evolving Integware as a company to provide our customers the very best possible solutions. Our customers will gain not only our experience in deploying industry best practices but also the best in breed technology as we work with ENOVIA to build specialized solutions unmatched in the PLM marketplace."

About the CAA Software Community Program

CAA (Component Application Architecture) is Dassault Systèmes' open middleware and development environment for PLM. The CAA Software Community Program is dedicated to ISVs (Independent Software Vendors) willing to develop, sell and support CAA-based applications, fully integrated with CATIA, SIMULIA, ENOVIA and DELMIA. This collaboration results in the expansion of Dassault Systèmes' 3D PLM solutions to cover the entire product lifecycle range, thus enabling mutual customers to take advantage of a larger set of products in response to their specific industrial needs. More Information available at <http://www.3ds.com/alliances/software-partnership/>

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Delcam Adds New Options for Press Tool Design

8 January 2008

Delcam has added a number of new options specific to deep-draw press tool design in its Delcam Toolmaker CAD software. Delcam Toolmaker has always been very capable of modelling the most complex press tools, and is used by many car companies and their suppliers for the production of automotive body panels and other large sheet metal components. These new features are aimed at shortening the design time by providing dedicated functionality for many of the tasks involved in preparing the tooling.

The first improvement is a number of automated ways to orient the part shape to give the optimum tool

design. The user can choose between methods that minimise undercuts, that minimise the overall tool depth or that are based on averaging the normals of key surfaces. Undercut shading has been improved to make it easier to compare the results obtained with the various options.

The second enhancement provides a quick and easy method to fill in any concave regions around the edge of the part in order to simplify its outline. The user simply needs to click on the beginning and end of the edge section, and the software does the rest. It automatically creates a new surface that fills the gap, while working out the tangencies of the various edges to ensure continuity between the new surface and the adjoining areas.

The next extra option is a new form to create the addendum surfaces; the smooth tangential run-offs from the part faces that control the flow of sheet metal during forming. The user can select from a series of standard styles of addendum surface and then completes the form with the necessary dimensions and radii. Again, the software will automatically maintain the tangency between the part surfaces and the addendum surfaces to give a smooth transition between the two.

Another new form automates the creation of the draw bead; the groove in the tool that clamps the sheet metal to control its flow during pressing. This form creates the draw bead route with an offset from the opening line of the punch and helps the user to specify the required profile. Once the draw bead design has been finalised for the punch, the matching draw bar shape can be created in the die.

The final new option is automated trim line creation. This automatically calculates where to trim the metal after the forming operations and so provides the first stage in the design of the trimming tool.

In addition to the new range of commands, Delcam has added a library of standard components based on ISO catalogues. The user can, of course, extend this library with any of his company's frequently-used components.

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Intelligent Light Announces Bringing FieldView Products to Windows Compute Cluster Server 2003 and Windows HPC Server 2008 Systems, Expanding Access to Large Data Post-Processing Capability for CFD and CAE

9 January 2008

With the goal of expanding access to high-performance computing resources for CFD and CAE practitioners worldwide, Intelligent Light is working with Microsoft to deliver new capabilities for the mid-range technical computing market. The collaboration will bring expertise and accessibility together as a part of a turnkey end-to-end solution stack for simulation driven organizations.

"Engineers' appetite for improving their understanding and their design solutions is insatiable. Our customers continue to increase their reliance on simulation and high performance workflow. Windows Compute Cluster Server and Windows HPC Server 2008 bring the power of high-performance computing to wholly new segments of our markets while promising to decrease the operational cost in many well established environments," said Steve M. Legensky, General Manager at Intelligent Light. "The availability of FieldView products running on Windows Compute Cluster Server will bring large data capabilities to many engineers and organizations who have previously been unable to effectively deploy HPC solutions."

"By accelerating how real-world phenomena are simulated, high-performance computing has become an essential tool of modern engineering," said Shawn Hansen, Director of HPC Marketing at Microsoft.

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"Through accelerating simulations on easy-to-deploy HPC clusters, design engineers can amplify productivity by conducting more accurate simulations, exploring more design candidates, and speeding fundamental research. Also, by offering FieldView on clusters that integrate seamlessly with existing Windows infrastructure, Intelligent Light enables engineers to focus more on their core research, and less on IT management."

Engineering HPC solutions for small to midsize companies and departments has traditionally been cost prohibitive. However, Windows Compute Cluster Server 2003 and Windows HPC Server 2008 clusters - which are built to integrate seamlessly with the company's existing Windows-based environment - are cost effective to deploy, integrate with existing infrastructures, and easy to manage and use.

"Both Windows and FieldView product families share a long tradition of making technology accessible to the people who use it. FieldView products running on Windows Compute Cluster Server 2003 will enhance the simulation capability, productivity, and impact of our joint customers. This also directly contributes to the simultaneous achievement of organizational goals for improving product and research quality, decreasing time to market, and decreasing the costs of product and knowledge development," noted Roger R. Rintala, strategic marketing manager at Intelligent Light.

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Laird Technologies Introduces 3D Interactive Design Tool

8 January 2008

Laird Technologies, a global leader of critical components and systems for advanced electronics and wireless products, announced its new Virtual Design Tool for Fabric-over-Foam EMI shielding gasket products. The new web-based tool offers customers an interactive online catalog that allows users to configure, view and download 2D drawings and 3D models directly into their designs in all conventional CAD formats.

Laird Technologies' Virtual Design Tool is ideal for design engineers because users can configure Fabric-over-Foam EMI shielding gaskets using the tool's drop-down menus and then immediately download a CAD file. The tool ties directly to the company's EMI Essentials catalog so users have access to many of the standard Fabric-over-Foam EMI shielding gaskets listed in the catalog. The tool also allows customers the capability to request a quote for any Fabric-over-Foam EMI shielding gasket that is configured and downloaded.

"One of the great things about this web-based tool is that it eliminates the time-consuming process of searching through a paper catalog for the correct part number and then modeling the identified part from scratch," said Sean Honer, Fabric-over-Foam product manager. "The tool streamlines a process that took one to two hours to a few minutes allowing the design engineer at the customer to complete their designs faster."

Customers worldwide have access to the online tool and can configure the parts in either metric or English measurements. The tool is available now by accessing <http://www.lairdtech.com/>.

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Mentor Graphics Extends EDGE MAJIC JTAG Support for Cavium Networks OCTEON Plus Family

11 January 2008

Mentor Graphics Corporation announced extension of the EDGE™ MAJIC® full-featured JTAG debug probe support for the Cavium Networks OCTEON™ Plus multicore processor family. The MAJIC series probes speed up platform-level design by giving developers access to the innermost working of their platform, to download code, program flash, and to invoke target-specific support files.

Designed for a multicore environment, the MAJIC series probes provide JTAG connection to the debug support unit designed into each OCTEON Plus cnMIPS core. The MAJIC-MT model supports concurrent connections to the multiple cnMIPS 64-bit cores to facilitate and reduce time required for code development and debug for any combination of cnMIPS cores. In addition to fundamental debug capabilities, the MAJIC deliverables include software interfaces to support multiple development tool environments, including any Linux environment such as Cavium's own SDK implementation, as well as control of Octeon's Global-Stop on-chip hardware support to enable hardware synchronized debugging for user-specified core combinations. The MAJIC probes also support Cavium's register definition files. The MAJIC JTAG supports the "public" MIPS register files out-of-the-box and includes target initialization files for standard Cavium Networks reference designs.

"Robust and field-proven development capabilities for our OCTEON Multicore MIPS64 processors such as those provided by the MAJIC probe and its associated software components continue to be important to our mutual customers," said Rajiv Khemani, vice president of marketing and sales for Cavium Networks. "The Mentor tool offering coupled with OCTEON's unique and extensive multi-core debug capabilities enable more efficient platform design while shortening the design cycle."

"Mentor continues to evolve the MAJIC probe and supporting files to complement the latest multicore processor offering from Cavium," said Neil Henderson, general manager, Mentor Graphics Embedded Systems Division. "Application platforms looking to adopt the OCTEON Multicore MIPS64 processor solutions are now supported by the same field-proven MAJIC JTAG probe that accelerates the time to market for Cavium Networks multicore designs."

Availability

Customers with current support contracts can download firmware and software updates from Mentor SupportNet to upgrade their MAJIC probe for the OCTEON Plus family. MAJIC is available through Mentor Graphics ESD sales and distribution channels worldwide. Mentor's MAJIC tools for the Cavium Networks OCTEON Multicore MIPS64 processors have been available since the first introduction of Cavium's CN3860 family in 2005.

For more information about EDGE MAJIC JTAG probe, please contact Mentor Graphics embedded systems division at 800-468-6853 or e-mail embedded_info@mentor.com. To learn more about Cavium Networks, go to <http://www.caviumnetworks.com/>.

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NGC Earns Certification as a Microsoft Gold Partner

9 January 2008

[NGC](#)® (New Generation Computing®) announced that the company has been certified as a Microsoft®

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Gold Partner, representing the highest level of competency and expertise with Microsoft technologies. NGC's status as a Gold Certified Partner reaffirms NGC's longstanding relationship with Microsoft and will allow NGC to enjoy the closest possible working relationship with Microsoft.

NGC met various requirements for multiple Microsoft competencies and specializations through independent testing of the company's RedHorse® 2007 SQL Series ERP software, as well as technology certifications held by NGC employees and positive customer references.

As a Microsoft Gold Certified Partner, NGC will have access to a variety of Microsoft resources available only to program members, including the highest level of technical support, access to the Partner Knowledge Base, early access to Microsoft products, peer-networking opportunities, and more. With these benefits, NGC will have the best possible support and experience to help its customers fully leverage the latest Microsoft technology.

"NGC's status as a Microsoft Gold partner is recognition of our commitment to develop and support NGC solutions on a common, widely recognized technology platform from a trusted vendor," said Alan Brooks, president, NGC. "As a Gold partner, our customers can be assured that NGC maintains the highest level of competence and expertise with Microsoft technologies."

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Silicon Canvas Laker Environment Integrates With Hercules Physical Verification Suite From Synopsys

8 January 2008

Silicon Canvas, developer of the Laker® suite of high-performance tools for custom IC design, and Synopsys, Inc. announced the integration of Silicon Canvas' Laker schematic capture and layout environment with Synopsys' Hercules™ Physical Verification Suite (PVS). Customers using Laker and Hercules PVS can now navigate and view the design and electrical rule checks (DRC, ERC) and layout versus schematic (LVS) errors using Hercules VUE with the Laker environment, enabling faster time to manufacturing sign-off. As part of Hercules PVS, Hercules VUE serves as the cockpit for designers to debug physical verification errors.

"We are pleased to announce Hercules integration as part of our commitment to provide our customers with a comprehensive analog and mixed-signal design environment, and best-in class flows," said Richard Morse, director of marketing for Silicon Canvas. "Hercules' proven sign-off capabilities with Hercules VUE offer a whole different level of productivity and ease of use, both of which are the cornerstones of [Silicon Canvas'](#) own products. We are pleased to offer this integration to a production-proven and foundry-supported product like Hercules."

"Working together, Silicon Canvas and [Synopsys](#) have developed a solution that will help increase productivity for our mutual customers," said Saleem Haider, senior director of product marketing for Synopsys. "The combination of Hercules and the Silicon Canvas Laker products will enable customers to more quickly review, navigate, and fix design violations found by Hercules in preparation for sign-off into manufacturing."

The current production releases of Laker and Hercules PVS support this functionality with the necessary, relevant product features required to deliver this integration today. These features are part of each standard product offering.

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SoftInWay Appoints Design Tech Systems as AxSTREAM Distributor to Expand Sales and Support Coverage in India

8 January 2008

[SoftInWay](#) announced that it has increased its sales and service network in India by adding Design Tech Systems to its team of international distributors for distribution of its AxSTREAM™ Suite of Multidisciplinary Design Optimization software for axial and centrifugal compressors, turbines and other types of turbomachinery.

“With the growing expansion of gas pipelines in India such as the recently approved Uran-Tombay pipeline, there will be a greater demand for higher efficiencies in axial compressors,” says Mr. Vikas Khanvelkar, Managing Director of Design Tech Systems. “AxSTREAM is the right design tool at the right time for Indian turbomachinery manufacturers to be able to meet these efficiency demands.”

“Design Tech System’s philosophy of partnering technology to customer needs and strong background in selling and utilizing mechanical design services software is exactly the combination to take AxSTREAM to the Indian turbomachinery industry,” stated Dr. Leonid Moroz, President of SoftinWay Inc. “Their ability to provide the highest levels of service and customer training from multiple offices throughout India will be a big plus for our AxSTREAM customers.”

Mr. Sanjay Daga (Vice President Operations) of Design Tech Systems said “we will also be working closely with the engineering colleges and universities in India for the distribution of the axial and radial educational versions of AxSTREAM to engineering colleges and universities in India. These educational versions are valuable tools in any compressor or turbine design curriculum and allow students to learn using “real world” design platforms.”

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SolidWorks Labs More Than Doubles Its Emerging Technology Offerings

7 January 2008

SolidWorks Labs, the technology sandbox for curious SolidWorks® 3D CAD software users, has more than doubled the number of free experimental software offerings since its February 2007 launch.

SolidWorks Labs (<http://labs.solidworks.com/>) has welcomed nearly 100,000 visitors coming to experience, assess, and critique the emerging technologies offered by [SolidWorks](#) Corporation’s research and development division. SolidWorks Labs initially went online with four mini-applications. In the ensuing year, it has more than doubled the offerings.

“The more applications, services, and widgets Labs introduces, the more time I wish I could spend there experimenting,” said Senior Mechanical Design Engineer Ricky Jordan of Dynetics Inc., Huntsville, Ala. “It’s intriguing to see where 3D CAD software – or 3D in general – might possibly go. CB Model Pro, for example, has great potential for conceptual design, and ZoomIn can literally immerse your audience in your 3D model.”

New offerings include:

- A SolidWorks Labs Gallery (<http://labs.solidworks.com/Gallery/>) to showcase the finest

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creations generated by SolidWorks Labs visitors using the modeling and rendering tools on the site.

- iPhone support for Drawings Now, the online sharing service for engineering drawings. Users can use their Apple mobile devices to locate, zoom, and pan engineering drawings with their fingertips.
- CB Model Pro, a 3D modeling program that lets anyone, CAD user or not, develop 3D graphical models by simply virtually squeezing, pulling, flattening organic shapes. It acts like digital clay.
- A Showcase Widget that lets users create slideshows of their SolidWorks designs simply by pointing to a folder of designs.
- A WatchIt Widget that lets users keep track of which files are changing on a system, drive, or folder. Call it mini-PDM for everyone.
- SolidWorks Island in Second Life, the 3D virtual world, offering opportunities for learning, entertainment, networking, collaboration, virtual surfing, virtual Formula 1 racing, and events like simulcast real-world robotics competitions.
- 3D ContentCentral Search tools, which embed a part search into users' Web browsers.
- An Improved ZoomIn interface, layout, and materials selection, enabling users to immerse themselves and their audience in even more dynamic presentations of SolidWorks models. For example, users can now set designs on virtual plant floors or in virtual kitchens.

“We are continuing to create interesting experiences for SolidWorks users, and we’re deeply interested in hearing about what users liked, didn’t like, and what changes they would suggest,” said Brian Harrison, director of SolidWorks Labs. “We’ve had a lot of action on the site and a lot of feedback, but there are still a lot of designers and engineers that are just now discovering SolidWorks Labs.”

SolidWorks Labs was launched in February 2007 as an online destination that lets product designers and engineers behind the curtain of SolidWorks R&D. They can tinker with emerging technologies, test-drive new SolidWorks functionality through their Web browser, and weigh in on the company’s product direction. All services and software are free. The site invites comments through a feedback link. Comments go directly to SolidWorks R&D.

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SpaceClaim Releases New Products to Enable 3D for All

9 January 2008

SpaceClaim Corporation announced the introduction of its SpaceClaim LT (USD \$695) and LTX (USD \$895) 3D design products, and in the process, has established state-of-the-art solid modeling as a companion to existing design workflow. For the first time, anybody can work in 3D without the hindrances of the traditional CAD learning curve and associated CAD costs.

SpaceClaim LT and LTX are ideal for designers, architects and engineers who already have efficient and cost-effective 2D tools, as well as hobbyists who would take advantage of affordable 3D design software. SpaceClaim’s general-purpose solid modeling adds value to existing processes, enabling customers to combine 2D and 3D techniques to enhance the vast breadth of use cases where 2D tools - such as the AutoCAD family of products - flourish.

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SpaceClaim LT and LTX feature the ability to:

- Quickly create 3D solid models
- Open, edit, and document 3D solid models from colleagues, suppliers, and customers
- Bring 2D drawings into 3D to improve communication and accuracy

SpaceClaim LT and LTX leverage the identical software architecture and technology of the company's flagship design system, SpaceClaim Professional 2007+, providing users a solid modeling environment with a modern user interface. Unlike traditional history-based modelers that require operators to be trained in feature programming, SpaceClaim delivers a radical new paradigm for creating 3D solid models. SpaceClaim models can be moved into popular 2D and 3D offerings, where they can be further documented, manipulated, and rendered.

"I'm thrilled about SpaceClaim LT and LTX for the metal working industry," said Dan White, President of Keuka Studios, a custom fabricator of architectural iron work. "Much of this industry is based in 2D, and SpaceClaim appears to be the first 3D tool that's practical for our business."

"SpaceClaim is accessible to all designers, regardless of their trade, while traditional solid modeling systems tend to require dedicated operators running domain-specific, vertical applications," said Mike Payne, SpaceClaim Chief Executive Officer. "We're making 3D as straightforward to use as 2D and therefore we expect it to become as ubiquitous."

The main differences between SpaceClaim's products are import and export capabilities, as well as some options and services that are available with SpaceClaim Professional 2007+. SpaceClaim LT provides import of STEP, IGES, DXF, DWG, BMP, JPG and PNG file formats and export of DXF, DWG, XAML, STL, VRML, BMP, JPG and PNG file formats. SpaceClaim LTX provides these capabilities as well as export of STEP and IGES files for other 3D systems.

SpaceClaim LT and LTX customers can apply 50% of the cost of SpaceClaim LT or LTX toward the purchase of SpaceClaim Professional 2007+ within the first six months. SpaceClaim 2007+ includes a range of modules such as 3D data exchange (including Rhino and other popular mechanical CAD formats), CATIA, JT Open, sheet metal, TraceParts standard parts library, ECAD and ANSYS integration.

Product Availability

Available immediately, SpaceClaim LT and LTX are offered in English, Japanese, German, French, Korean, Italian, Traditional and Simplified Chinese languages and can be purchased online through SpaceClaim and its network of resellers. Regional pricing is available online.

For more information, visit <http://www.spaceclaim.com/> or download our [3D CAD trial](#).



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