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Acquisitions

GoEngineer Announces Acquisition of Texas Engineering Systems

6 January 2011

GoEngineer, Inc., a value added reseller of DS SolidWorks Corp. 3D product design software and a full-line Stratasys 3D printing systems reseller, announced that it has acquired Texas Engineering Systems & T.E.S. LLC (TES), of Dallas, Texas. TES is a reseller of SolidWorks and Stratasys for over 13 years with offices and training centers located throughout Texas, Oklahoma, Arkansas, and Louisiana. With the addition of TES, GoEngineer's combined full-service branch offices and certified training centers will increase by 60% throughout the West and South Central U.S.

[GoEngineer](#) and TES share a number of customers across territories enabling them to consolidate to a single support provider. TES clients' remote employees, contractors, partners or other divisions will also benefit from an increased portfolio that spans product design, simulation, enterprise data management, publishing, 3D printing systems, GoLive services, support and training to help product design and manufacturing companies bring innovation to market quickly. As a long-time industry veteran, GoEngineer has a successful history of acquiring SolidWorks resellers and building strong, valuable partnerships with customers.

With this acquisition, GoEngineer expands its reach in supporting simple and effective CAD/CAM/PDM/PLM/RP solutions for product design and manufacturing companies throughout 10 states including Utah, Idaho, California, Hawaii, Colorado, Nevada, Texas, Oklahoma, Arkansas, and

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Louisiana. Existing TES staff will remain while the owners will take on different roles at GoEngineer.

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CIMdata News

CIMdata Inc. Announces Next PLM Certificate Program—Ann Arbor, Michigan; Next Professional Certificate Program To Be Held In Ann Arbor, Michigan, February 28—March 4, 2011

4 January 2011

CIMdata, Inc., the leading global PLM consulting and research firm announces that the next session of its PLM Certificate Program is to be held in Ann Arbor, Michigan from February 28 through March 4, 2011. [CIMdata's PLM Certificate Program](#) is the flagship offering of CIMdata PLM Leadership—the PLM industry's most comprehensive non-biased education and training offering for today's PLM professionals.

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

According to Mr. Peter Bilello, CIMdata's President, "The Ann Arbor program is the first in a series of six public programs scheduled for 2011. We are very happy with the program's growth since the initial class, which was held in Helsinki, Finland in May 2009. After holding a significant number of successful programs in Europe, North America, and Asia, we now have provided PLM Leadership certificates to over 50 program participants. This represents a major milestone for this one of a kind educational offering."

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

About CIMdata

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

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia

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Pacific. To learn more about CIMdata's services, visit our website at <http://www.CIMdata.com> or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0)495 533 666.

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CIMdata's New European Office Keeps all of Europe within Easy Reach

7 January 2011

Please update your records for CIMdata's European address and telephone number.

CIMdata

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The Netherlands

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Mobile: +31 (0)6 2906 4851

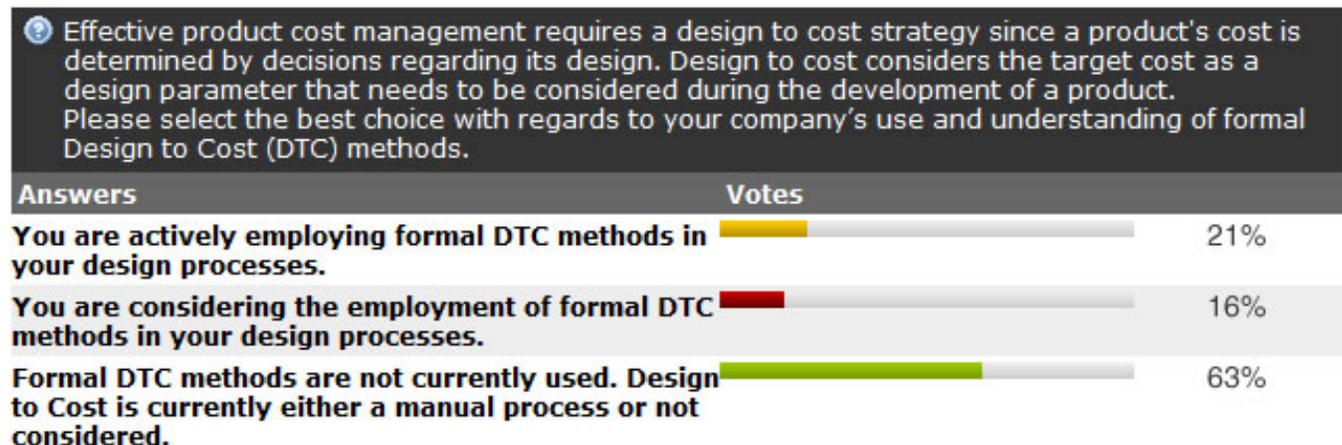
g.litjens@CIMdata.com

"This move places our office close to what is called the Euregio. This central Benelux location allows much easier road access into the important German market," says Gerard Litjens, CIMdata's Director of European Operations. "Being positioned within convenient distance from three major airports, Amsterdam, Brussels, and Düsseldorf, keeps all of Europe within easy reach," he continues, "thus bringing us closer to our current and prospective clients."

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CIMdata Announces the Results of its Effective Product Cost Management Poll

7 January 2011



The results of this poll are rather disappointing given the importance of product cost to competitive marketing. The poll shows that very few companies are actually employing Design to Cost techniques

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during product development. However, among companies with whom CIMdata consults, lowering product cost remains a major competitive marketing strategy. One that is given plenty of emphasis by business planners, but apparently is not actually taken very seriously by product development organizations.

[!\[\]\(2e897e890e69d81eae4503a8342c36b0_img.jpg\) Click here to return to Contents](#)

CIMdata Posts New Poll on Mechanical Product Design Practices

7 January 2011

Please take a moment to [***VOTE***](#) in our latest poll:

What percentage of your mechanical product designs are currently being created in 3D CAD?

What is considered to be the Master product data in your organization?

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Company News

Altium Establishes Electronics Design Laboratory With Suzhou University

24 December 2010

Altium and Suzhou University have announced a cooperative venture to establish an electronics design laboratory. It will service in Jiangsu and the surrounding area.

The joint initiative will focus on cooperative teaching of electronics circuit design, FPGA digital circuit design and systems on a programmable chip (SoPC) embedded system design.

It's part of Altium's long-term commitment to China's educational sector, which seeks to nurture the next generation of electronics engineers and to contribute to the country's electronics design industry through cooperation with higher education institutions and secondary schools.

Lu Jianmei, Vice Principal of Suzhou University, said, "Jiangsu and its neighboring provinces represent the most established electronics sector in China. Suzhou University leads in cultivating electronics design talent and received the Altium Practice Innovation Award in the 2010 National Electronics Talent Competition. With more than 1,000 students majoring in electronics in our school, we believe that this cooperation will help to nurture industry-oriented talent that combines professional knowledge, hands-on ability and an innovative spirit!"

Altium plays an important role in nurturing the new generation of electronics engineers. More than 900 universities around the world use Altium as their electronics design software tool of choice. In China, since the start of the Altium Academic Program in 2008, Altium has created joint labs with a number of Chinese universities including Tsinghua University, South China University of Technology, the University of Electronic Science and Technology of China, Northeastern University and Tongji University.

"China is making great strides towards becoming an innovation-oriented country," said Roger Shen, Regional CEO of Altium Greater China. "However, the shortage of design talent is becoming a handicap for the industry's development. As the cradles of electronics design talent, schools have shouldered the important mission of nurturing the new generation of electronic engineers. And we believe the close

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cooperation between Altium and Suzhou University will help to provide new electronics design talent to Jiangsu and the whole country.

In addition to the joint laboratory, Altium also donated 50 licenses of Altium Designer with a value of 3 million yuan to Suzhou University to be used for electronics design teaching and training activities. Suzhou University will offer EDA-related courses using Altium Designer and carry out electronics design experiments with students. Altium will authorize Suzhou University to grant students with electronic design certifications in the future.

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Avatech Solutions Announces Name and Stock Ticker Symbol Change

30 December 2010

Avatech Solutions, Inc. announced the change of its official stock ticker symbol from AVSO to RWWI. In addition, effective January 1, 2011 the company name will be changed to Rand Worldwide, Inc. These changes are being made in conjunction with the previously announced Avatech Solutions merger with Rand Worldwide.

About Rand Worldwide

Rand Worldwide and Avatech Solutions have combined to form a professional services and technology company for the engineering community, targeting organizations in the building, infrastructure, and manufacturing industries. The combined company advances the way organizations design, develop, and manage building, infrastructure, and manufacturing projects. For more information see (<http://www.rand.com>).

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Bentley Names Gus Bergsma as Vice President of New Sales Organization Serving Small and Medium Enterprises Worldwide

4 January 2011

Bentley Systems, Incorporated announced that it has appointed Gus Bergsma as vice president of Bentley's newly formed regional sales organization (RSO) comprising inside sales, sales engineers, and Bentley Channel Partners serving small and medium enterprises (SMEs) worldwide. The RSO is a critical component in meeting the demands of Bentley's continued regional expansion and growth opportunities. It complements Bentley's field sales organization that serves large national and international accounts, including 87 percent of the ENR Top 500 Design Firms.

Bergsma, who previously was VP of Bentley's water and structural products sales organizations, is responsible in his new role for bringing together all of the teams that make up the RSO. In addition, he will lead the expansion of Bentley's Channel Partner Program to include specialty-product partners in both mature and developing markets.

"Gus' long and successful career in developing and marketing structural engineering software makes him the ideal candidate for this position," said Bentley COO Malcolm Walter. "The enormous impact he has had on our sales efforts since joining Bentley proves his ability to move our new regional sales organization forward. His appointment will better unify the teams that make up the RSO and enhance their ability to serve our community of SME users."

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Walter continued, “As a former practicing engineer, Gus understands how innovative software products can increase efficiencies and reduce costs. This enables him to identify new business opportunities for the company while helping it implement effective sales strategies. At the same time, his in-depth technical knowledge makes him the right person to help our new regional sales organization guide SMEs in the selection and deployment of solutions and products for sustaining infrastructure that are ideally suited for their particular project requirements.”

Commenting on his new position, Bergsma said, “I look forward to this great opportunity to define and grow our new RSO. By unifying this highly talented team and expanding our channel partner program globally with a more focused effort, we will be able to more effectively serve a community of users that is key to Bentley’s future growth. In addition, our new RSO structure will help us better mainstream new acquisitions and products into our operations, enabling users to more quickly take advantage of, and benefit from, our latest technology offerings.”

Bergsma began his professional career as a project structural engineer with Culp & Tanner, Inc., in Southern California. He joined Bentley as a vice president in 2005 following Bentley’s acquisition of RAM International, the structural engineering software company in which Bergsma was a partner and served as vice president. In 2008, Bergsma received the American Institute of Steel Construction (AISC) Special Achievement Award for his pioneering work with Bentley’s RAM Structural System.

Bergsma holds Bachelor of Science and Master of Science degrees in civil engineering from the University of California, Berkeley. A licensed professional, he is a member of the California State Board of Registration for Professional Engineers – Civil Engineering. Bergsma lives in Escondido, Calif.

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Boundary Systems to Offer PTC Creo Products

3 January 2011

Boundary Systems, a long-time VAR (Value-Added Reseller) of PTC®, is pleased to offer PTC’s Creo Software.

Creo will deliver four breakthrough technologies that address the lingering challenges of usability, interoperability, technology lock-in and assembly management. They include:

- AnyRole Apps™ - offers customers the right tool, for the right user at the right time
- AnyMode Modeling™ - enables users to design and use data in any modeling mode - 2D, 3D direct, or 3D parametric - without losing intelligence or design intent
- AnyData Adoption™ - allows users to incorporate data from any CAD system
- AnyBOM Assembly™ - gives teams the power and connection to PLM needed to create and validate serial number-specific product configurations

By addressing the big unsolved problems in design software, Creo enables companies to unlock potential within their organizations by unleashing creativity, facilitating teamwork, increasing efficiency and ultimately realizing value.

PTC has also announced the rebranding of its existing products, Pro/ENGINEER®, CoCreate® and ProductView®. In order to unify the exciting future of design software with the existing elements from which Creo was derived, the existing brands will have new names as listed below:

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- Pro/ENGINEER will be renamed Creo Elements/Pro
- CoCreate will be renamed Creo Elements/Direct
- ProductView will be renamed Creo Elements/View

Creo Elements products are available now. Creo 1.0 is expected to be available mid-year 2011*. To learn more about Creo, please call Boundary Systems at 1-877-279-7782 or visit <http://www.boundarysys.com>.

*The timing of any product release, including any features or functionality, is subject to change at PTC's discretion.

Boundary Systems, LTD. is a leading software provider and support company for users of CAD, CAM, CAE, PDM, Product Lifecycle Management and other sophisticated design and simulation products. The Boundary Systems team has been providing best-in-class solutions for fifteen years for customers throughout the United States and Canada. For more information, please visit <http://www.boundarysys.com>.

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Dassault Systèmes Promotes Innovation as Lead Sponsor of EyesOn Design Competition Inc

7 January 2011

Dassault Systèmes (DS) announced that it is the lead sponsor of the sixth annual EyesOn Design Awards competition to be held on Tuesday, January 11, 2011 at the 2011 North American International Auto Show (NAIAS). Additionally, Dassault Systèmes vice president of Design Experience and head of the company's Design Studio, Anne Asensio, will be serving her second year as part of the event's judging panel.

EyesOn Design is the only automotive design contest that is judged by the most senior and successful members of the design community. The judging panel is comprised of representatives from the OEMs, design schools and independent automotive design studios. It is also the only venue that recognizes both production and concept vehicle debuts at the NAIAS. New vehicles -- inclusive of cars, trucks, and crossovers -- are judged in two categories: Production Vehicle Design and Best Concept Vehicle Design. Asensio who, prior to joining Dassault Systèmes, spent many years as head of design at both General Motors and Renault, will be presenting both of these awards.

Dassault Systèmes has partnered with the Detroit Institute of Ophthalmology (DIO) since the inception of the NAIAS EyesOn Design fundraising event, which honors and recognizes the most significant new automotive designs on display at the show.

“We are honored to continue this relationship with the DIO as a way to inspire innovative vehicle design while benefitting the visually impaired,” commented Asensio. “Dassault Systèmes is focused on providing designers with tools that enable them to be more creative, allowing for more ideas to be developed in a shorter time frame while linking the creative process directly to engineering, manufacturing and production for better design intent and shorter time to market.”

The EyesOn Design Competition at the NAIAS is an extension of the celebration of automotive design that occurs each June when the DIO hosts the annual EyesOn Design car show, which honors the past, present and future of automotive design. In addition to being recognized as major design achievement awards in the automotive design community, both EyesOn Design events raise funds to provide

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educational programs and to support leading-edge research and other programs to enhance the lives of the blind and visually impaired. More than 6,000 people directly benefit from these programs each year.

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Dassault Systèmes Reinforces its Field Operations: Jeff Ray Promoted to Executive Vice President, Geographic Operations

5 January 2011

Dassault Systèmes (announced the appointment of Jeff Ray as Executive Vice President, Geographic Operations, and member of the Dassault Systèmes executive committee.

In this newly created position, Ray will oversee the company's geographies in order to empower the Dassault Systèmes local teams to serve customers' and partners' growing needs and fully exploit the market growth potential.

Bernard Charlès, President and CEO of Dassault Systèmes commented, "The successful integration of our global sales and support teams, serving clients in over 80 countries, combined with our diversified proven strategy calls for stronger localization of our businesses. Jeff's track record in setting up a highly efficient international field operation is well recognized and will bring valuable expertise to serve our goals."

Ray joined Dassault Systèmes in 2003 as chief operating officer for SolidWorks, and was appointed CEO of SolidWorks in 2007. Prior to his seven-year tenure at Dassault Systèmes, Ray held various senior executive positions in software and IT companies.

In tandem, Bertrand Sicot has been named SolidWorks CEO. Sicot first joined Dassault Systèmes in 1997 where he was in charge of regional sales for SolidWorks in Europe. He then expanded the US SolidWorks operations from 2004 to 2007, and since 2007 has been leading the SolidWorks global sales channel.

Charlès added, "I am confident that Bertrand will further expand our potential to serve the 3D market for professionals. These two promotions underscore the tremendous talents within our organization."

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JETCAM Signs New Dealer in Korea for Aerospace Sector

4 January 2011

JETCAM International s.a.r.l. announced the signing of Vigsent as a reseller for its aerospace range of products to the Korean market.

Vigsent, based 40km South of the capital Seoul is also a reseller for VISTAGY and has staff with of knowledge and experience in the aerospace composite manufacturing sector.

Said Martin Bailey, Marketing Manager for JETCAM; "With Korea ranking 15th and rising in global GDP rankings and with a diverse export market we see many opportunities for Korean manufacturers to benefit from the savings JETCAM products deliver. Furthermore, with Vigsent's experience in both JETCAM and VISTAGY products this provides prospective customers with unparalleled industry experience that they can take full advantage of."

Said Steve Song, CEO of Vigsent; "We are excited to offer JETCAM's solutions to our aerospace

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customers. JETCAM's products and aerospace experience will help our customers to gain competitive edge."

Vigsent will offer the complete JETCAM Expert and CrossTrack range of products for aerospace covering CAM, nesting and order, nest, material and material life management.

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PTC's Support for FIRST Robotics Competition Continues to Focus on STEM Education for Youth

6 January 2011

Answering the call to promote science, technology, engineering and math (STEM) educational opportunities, PTC announced that it is continuing its support of the *FIRST*® (For Inspiration and Recognition of Science and Technology) Robotics Competition (FRC®). Building on previous years of support, PTC will sponsor nearly 100 FRC teams as well as more than 35 *FIRST* Tech Challenge (FTC®) teams throughout 2011. PTC will also be speaking at the [2011 FRC Kickoff event](#) scheduled for Jan. 8th, in New Hampshire, where this year's game will be unveiled. The event will be broadcasted live to tens of thousands of participants on NASA TV.

"We are pleased to partner with companies like PTC who are truly committed to the values of *FIRST* and share the goal of helping students develop skills to become our engineers of the future," said Jon Dudas, president, *FIRST*. "PTC provides the same software for students that is used by more than 25,000 leading manufacturing companies around the world, truly allowing them to grow into the type of talent that is in high demand by its customers and the industry."

Reaching more than 212,000 students in grades K-12 annually, *FIRST* has designed accessible, innovative, mentor-based programs that build STEM skills. These programs inspire young people to pursue STEM education and career opportunities as well as help build self-confidence, knowledge and life skills. PTC is a Crown Supplier to the FRC for the fourth consecutive year and the official CAD and Collaboration Sponsor to the FTC for the third year, providing free software, including CreoTM Elements/ProTM (formerly Pro/ENGINEER®), Mathcad®, Windchill® and CreoTM Elements/ViewTM (formerly ProductView®) to participating teams.

"*FIRST* has been and will continue to be an important program for PTC. This initiative helps the youth of the world develop STEM skills that are critical not only for their success, but also for the future of innovation in this global economy," said Robin Saitz, SVP, solutions marketing & communications and *FIRST* Executive Sponsor, PTC. "This year, more than 250 PTC employees have volunteered to support the program and to be mentors to teams. PTC is also sponsoring seven *FIRST* regional competitions and is assisting *FIRST* with the expansion of *FIRST* internationally - all with the goal of creating a lifelong interest in engineering for students."

At this year's launch event, Robin Saitz will be a featured speaker and will discuss why *FIRST* is an important investment for PTC.

"Using PTC's software, our team the Bionic Barons #2834, is putting in place a real-world design process rather than taking a seat-of-the-pants approach to designing our robot," said Dr. Ed Law, senior engineering specialist for Chrysler. "I am able to teach the students with the same tools that my peers and I use every day in business, preparing them at a young age for future careers in the field."

FRC teams sponsored by PTC include:

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<p>Bionic Barons, #2834 Andover High School Bloomfield Hills, MI http://www.team2834.com/</p>	<p>Newton Ligerbots, #2877 Newton North and South High Schools Newton, MA http://ligerbots.com/</p>
<p>The Pink Team, #233 Rockledge, Cocoa Beach, Viera High Schools Rockledge, FL http://www.thepinkteam.org/</p>	<p>The Swartdogs, #525 Cedar Falls High School Cedar Falls, IO http://www.525swartdogs.org/</p>

FTC teams sponsored by PTC include:

<p>2 Bits and a Byte, #4029 Lexington High School Lexington, MA http://www.lexrobotics.com/</p>	<p>Furious George, #3620 Chaffee Industrial Arts & Technology Chaffee, MO</p>
<p>Robotnics, #1211 Automotive High School Brooklyn, NY</p>	<p>Semper Fi, #3621 Chaffee Industrial Arts & Technology Chaffee, MO</p>
<p>Smoke and Mirrors, #2868 Neighborhood Team Odessa and Lakeland, Florida http://ftcsmokeandmirrors.com/</p>	<p>Teal Tornadoes, #4105 Glen Allen High School Glen Allen, VA</p>
<p>Tminus 10, #4096</p>	<p>Ursa Major, #3041</p>

CIMdata PLM Industry Summary

Needham High School Needham, MA	East Brunswick High School East Brunswick, NJ
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About FIRST®

Based in Manchester, N.H., *FIRST* designs accessible, innovative programs to build self-confidence, knowledge, and life skills while motivating young people to pursue opportunities in science, technology, and engineering. With support from three out of every five Fortune 500 companies and more than \$12 million in college scholarships, the not-for-profit organization hosts the *FIRST*® Robotics Competition (FRC®) and *FIRST*® Tech Challenge (FTC®) for high-school students, *FIRST*® LEGO® League (FLL®) for 9 to 14-year-olds, (9 to 16-year-olds outside the U.S. and Canada) and Junior *FIRST*® LEGO® League (Jr.FLL™) for 6 to 9-year-olds. Gracious Professionalism™ is a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community. To learn more about *FIRST*, go to www.usfirst.org.

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Visual 2000 Taps Eiger for Canadian Business Development Role

6 January 2011

[Visual 2000 International Inc.](#) has expanded its sales and marketing efforts by naming industry professional Joseph Eiger to the newly created position of Business Development Manager. Mr. Eiger brings more than twelve years of experience in fashion and consumer goods business management, which includes the implementation and support of enterprise solutions and other IT projects. From his base in Toronto, Eiger will market and sell the company's comprehensive range of End-2-End business solutions for apparel, accessories, footwear, and other fashion-related companies throughout Canada.

Over his career, Eiger has served as a business analyst and consultant for a variety of apparel companies in Canada and New Zealand. During the past year, he has consulted on and supported a number of rapid implementations of Visual 2000 enterprise (ERP), product lifecycle management (PLM), and other business solutions in the Ontario region.

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Events News

Announcing COE 2011 Annual PLM Conference Technical Education

6 January 2011

Access Focused, Technical Hands-on Education

Experience education, technical training and networking at the [COE 2011 Annual PLM Conference & TechniFair](#), held April 3-6, 2011 at the Rosen Shingle Creek Hotel in Orlando. You will acquire immediately-applicable knowledge, efficient implementation processes and industry best practices presented by and for users of the Dassault Systèmes PLM solutions - CATIA®, ENOVIA®, DELMIA®, SIMULIA® and 3DVIA®.

CIMdata PLM Industry Summary

Technical Education Now Available: Plan Your Experience

Explore 100+ user-driven, technical, hands-on education and training opportunities presented by leading industry experts at the COE 2011 Annual PLM Conference.

COE offers focused conferences-within-a-conference in multiple industries, including aerospace and defense, automotive and more. Search for the sessions under [your industry](#) to justify and customize a learning experience that best suits your professional needs.

[Product Definition](#)

[Engineering Analysis and Simulation](#)

[Manufacturing](#)

[Information Management](#)

[Infrastructure, Develop, Deploy and Knowledge \(IDDK\)](#)

[Industry Solutions](#)

[Product Function Sessions](#)

Mark These Important Dates on your Calendar

February 4: Early-registration cut-off. Save \$300 by [registering](#) on or before this date.

March 10: Hotel discount cut-off. Achieve the convenience of staying at the host hotel for the COE 2011 Annual PLM Conference & TechniFair at a low nightly rate. [Reserve your room today!](#)

COE Members Event

To attend the COE 2011 Annual PLM Conference & TechniFair, you must be a COE member in good standing (2011 dues paid). If you have not attended a COE event in the past or are unsure of your membership status, contact COE HQ at coe@coe.org.

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Delcam CRISPIN to Show More Productive Footwear CAD/CAM at WSA

6 January 2011

Delcam CRISPIN will show the latest versions of its design and manufacturing software for the footwear industry at the World Shoes & Accessories exhibition to be held in Las Vegas from 7th to 9th February. The range features a completely redesigned user interface that will make the software easier to learn and quicker to use. It will, therefore, make the system more productive at all stages of the development of new footwear designs.

Delcam CRISPIN is a global supplier of CAD/CAM software to the footwear industry and is the only supplier able to provide a complete solution for the design and manufacture of lasts, uppers and soles. All of the key programs, LastMaker for last design, ShoeDesign for upper and sole design, and Engineer Pro for 2D pattern development, have the new, more productive interface style, meaning that anyone who can use one of the programs can quickly learn the others.

Visitors to the Delcam CRISPIN stand will also be able to see a preview of the forthcoming ShoeMaker software for 3D footwear design. The new system is the first program to integrate the design of both uppers and soles in 3D, so allowing the complete shoe to be developed and visualised simultaneously.

CIMdata PLM Industry Summary

This will mainly benefit companies making sports shoes and other designs with complex soles.

ShoeMaker incorporates the same easy-to-learn interface as the other programs, making it ideal for concept designers that might come from an artistic background rather than an engineering education. All of the icons feature specific footwear imagery, making the software very intuitive to use.

Of course, ShoeMaker is compatible with the complete range of Delcam CRISPIN software, including programs for costing, material cutting and mouldmaking. This allows a single file to be used for each project, from initial concept design through to mass production, so simplifying data management and project planning.

As well as the improved interface, the latest software also includes significant enhancements to the LastMaker and ShoeDesign programs, new standard modules in Engineer Pro, plus general speed improvements across the full range.

The main addition to LastMaker is the ability to design a boot-leg extension for an existing last. Once the design has been finalised, it is possible to grade the leg height, together with the other areas of the last, and to generate the machining instructions.

Improvements to the heel-height functionality allow the height to be increased or decreased without affecting other parts of the design. If desired, this option can maintain the bottom length measurement of the last.

LastMaker has also been made more capable in the creation of orthopaedic footwear. A common condition with this type of footwear requires the last design to be curved to match the curvature of the patient's foot. To accommodate this problem, new functionality has been added allowing the last to be bent either inwards or outwards. The ability has also been included to add an insole block to the bottom of the last, increasing the overall depth of the last for patients with different leg lengths.

The latest version of ShoeDesign incorporates a new shape editor, along with a new section within the library of parts to manage the shapes. Shapes can be created or edited either in ShoeDesign or in Engineer Pro, and then used in both programs.

Improvements to the snapping functionality have been made, especially when creating lines that intersect with, or are positioned near to, the feather edge, making point editing and panel definition much easier. These changes have also made it easier to create and modify very narrow panels.

Engineer Pro now includes two modules as standard that were previously cost options, TechPac and StitchTec. TechPac is a 2D solution for producing technical packages, including technical information, images and manufacturing operation sequences. Reports can be generated in PDF and HTML formats for factory operatives to follow, which give them all the technical information required for the upper assembly processes like clicking, skiving, folding and closing.

The StitchTec module enables the 2D engineering of the pallets and stitch paths for upper part components that are stitched together using automatic stitching machines.

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Delcam to Highlight Aerospace Success at Aero India

7 January 2011

Delcam India will promote its customers' recent successes in the aerospace industry at the Aero India

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exhibition to be held in Bangalore from 9th to 13th February. At the exhibition, Delcam will show how it has helped companies to meet the industry's requirements for the highest levels of quality and consistency, cost-effective production and the shortest-possible delivery times.

Delcam software has been used, at some stage, on virtually every major aircraft programme in recent years. The company's global customers have undertaken projects in all the various areas that go towards producing a successful aircraft, from developing more fuel-efficient engines, to manufacturing airframe components more effectively, and even in designing more comfortable and more attractive interiors. They have worked on all scales of project, from the manufacture of components for UAVs and helicopters up to the production of engines and airframes for the largest passenger and transport aircraft.

Delcam also supports a large number of MRO operations. These companies use Delcam systems to enable the fast, efficient repair or replacement of damaged components. By minimising design and manufacturing times, while maintaining the highest levels of quality, repairs can be completed as quickly as possible, so minimising the lost operating time of the aircraft.

"The aerospace industry in India is buoyant at the moment, both in the public and in the private sector," reported Delcam India Managing Director, Vineet Seth. "However, for this growth to continue, our local supply chain needs to introduce more advanced technology, including more powerful and more efficient manufacturing software, in order to build its capacity and capability."

Delcam has been ranked by CIMdata as the world's largest specialist supplier of machining software for the past ten years. The company employs the largest development team in the CAM industry to develop a comprehensive range of systems for every type of machine tool, from simple lathes and 2D mills, up to the most sophisticated five-axis machining centres and multi-spindle, turn-mill equipment. However, Delcam also produces a complete portfolio of supporting software, for component design, tooling design, reverse engineering and inspection. All of the programs are available as stand-alone solutions to enhance existing systems or as part of a complete turn-key solution.

Delcam India also offers a range of services to help companies whose own engineering resource is needed to maintain its existing operations. The support given can vary from providing extra design and programming resources when existing staff are overloaded, through to developing completely new turn-key processes for the manufacture of novel designs.

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Delcam to Show Extended Dental CAD/CAM Range in Chicago

5 January 2011

Delcam will demonstrate the latest additions to its range of software and hardware for the design and manufacture of dental restorations at two events in Chicago during February. The company will be at the Cal-Lab Annual Meeting at the Westin Hotel on 24th and 25th February and at Lab Management Today's Lab Day on 25th and 26th at the Sheraton Hotel and Towers.

The most significant enhancements for both the DentCAD design software and the DentMILL CAM system are new libraries of teeth and implants that have been added, alongside considerable enhancements to the functionality of both programs.

In addition, a new range of scan adaptors has been introduced for use with the company's two Delcam iMetric scanners. These provide physical representations of the position and orientation of implants during scanning so that this data is captured for use in the software.

CIMdata PLM Industry Summary

The new tooth and implant libraries in DentCAD include designs from Implant Direct and Simbiosi. This expansion of the range of designs available will make it easier for users to find the ideal implant or tooth for the patient.

Other new options in the 2011 release include a new module to check that connections between copings, crowns and pontics are aligned correctly, new smoother shapes for custom abutments, that follow the design of the crown automatically to minimise the need for further editing, and new dynamic shaping tools that give greater control over the final shape of the restoration.

Following feedback from customers, improvements have been made in many key areas of the software. In particular, dental bar design has been enhanced to give even more control over the position and shape of the bar. Other developments include improved control over the cement gaps and contact distances around restorations, easier design of inlays and onlays, and more dynamic editing of collars and lingual bands.

The main addition to DentMILL 2011 is a series of templates for the automatic machining of the interfaces between abutments and implants. A library of the most common implant types is supplied with the software so that it can recognise the type that has been chosen in DentCAD and produce the necessary machining toolpaths automatically.

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

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Extensible CAD to Demonstrate InspectionXpert® at SolidWorks World 2011

6 January 2011

[Extensible CAD Technologies LLC](#) announced they will show new releases of InspectionXpert at the upcoming SolidWorks World 2011 international user conference. The conference will take place January 23 – 26, 2011 at the Henry B. Gonzales Convention Center in San Antonio, TX.

Demonstrations will take place in Booth #124 in the Partner Pavilion. The InspectionXpert product line includes the newly released InspectionXpert for SolidWorks 2011, InspectionXpert First-Article, and CAD-integrated versions of InspectionXpert for AutoCAD, Solid Edge, Pro/ENGINEER and CATIA v5.

- InspectionXpert for SolidWorks is a SolidWorks Partner Product that generates quality First Article and in-process inspection documentation directly from SolidWorks drawings.
- InspectionXpert First-Article is a CAD-neutral application that generates quality inspection documentation from PDF and TIFF formats.
- InspectionXpert enables users to balloon their inspection drawing and export their inspection characteristics using Excel templates into standard AS9102 and First Article inspection reports, or create their own custom reports.

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Extra Speed at Autosport International with WorkNC V21

3 January 2011

Sescoi will be launching [Version 21 of its WorkNC CAD/CAM software](#) at the Autosport International show, at the NEC Birmingham, on 13th and 14th January. Located in the French Pavilion on stand E127, visitors will be able to see the up to ten fold calculation speed improvements in WorkNC V21, produced by its new parallel computing algorithms.

Autosport is the UK's showcase for the motorsport and high performance industry and brings together a complete range of technologies for this sector. [WorkNC](#) is widely used in motorsport, and in the UK is used by companies such as ARRK Europe in Nuneaton to develop carbon fiber patterns and tools for F1; [Bentley Motors](#) in its styling studio; and [Gordon Murray Design](#) for the development of its T.25 City car and its iStream manufacturing process.

The implementation of parallel computing in the WorkNC V21 CAD/CAM software system will enable engineers to take advantage of the power of the latest multi-processing computers. The complex forms, precision, and the demand for very short delivery times required in motorsport, will benefit particularly from the new capabilities in the software. Computing several threads simultaneously reduces the programming and calculation times for the most complicated parts, achieving speed improvements of up to 10 times.

As well as parallel computing, WorkNC V21 includes a new Global Finishing strategy that combines Z-Level Finishing and Optimized Z-Level Finishing, while ensuring constant climb milling. The advantages for users include improved simplicity, elimination of wasted and duplicated moves, and faster machining. The new version now supports the machining of undercut conditions - this enables more of a part to be cut in 3-axis and improves the surface finish for 5-axis machining operations.

Canonical tools can be used in the new software, making it possible to machine with faster feedrates and achieve improved quality, while new capabilities for editing toolpaths without recalculation significantly cut programming times.

The standard 5-axis routines in WorkNC have been rationalized from 12 down to six, with a standard dialog box to make programming even easier. Additionally, new rules based curve entities allow for interactive modification of the tool orientation. Auto 5, the automatic 5-axis programming in WorkNC, has new functions to save individual machine configurations and will soon have automatic collision checking to add to its collision avoidance functionality.

WorkNC V21 CAD/CAM brings motorsport manufacturers new features that can significantly cut lead times and achieve high quality results with ease, making it a highly productive tool for the industry.

Visitors to SESCOI's stand at the Autosport show will also be able to view demonstrations of SESCOI's full range of productivity solutions; the WorkPLAN Enterprise ERP system for custom manufacturing, MyWorkPLAN, easy to use job shop software and WorkXPlore 3D, a powerful, high speed CAD viewer.

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Geometric to Showcase Products for Machining Automation at IMTEX 2011

6 January 2011

[Geometric Limited](#) will demonstrate machining automation with its leading products - [CAMWorks®](#)

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and [DFMPro](#) at Hall 3C, Booth # B-123 at IMTEX 2011 from January 20 - 26, 2011 at the Bangalore International Exhibition Center in Bangalore, India.

Geometric will demonstrate the latest versions of these products, CAMWorks 2011 and DFMPro version 2.3, at the event: CAMWorks 2011 provides significant capabilities, including improved knowledge-based machining information, a new electrode design solution for the mold and die industry, and smarter tool paths. In this new version, the technologies that enable automation of NC programming have also been enhanced. Two new modules, ElectrodeWorks and VoluMill, further enhance the product's automation capabilities. ElectrodeWorks module is an electrode design solution that automates all aspects related to electrodes, whereas, VoluMill provides an option to generate high-performance toolpaths for 2 and 3 axis high speed milling.

DFMPro version 2.3 focuses on improving the ease of DFM review comments to closure with support for formed features and inclusion of Microsoft Excel based DFM analysis reports. A new grouping functionality for wall thickness related rules has been added in the Injection Molding module that allows users to easily segregate results into groups based on the thickness ranges. CAD users will be able to quickly verify their designs within Pro/ENGINEER® and SolidWorks®, thus, reducing cost and time-to-market, while also improving the quality of manufactured parts. DFMPro 2.3 also facilitates collaborative design review process by generating comprehensive 3D reports in eDrawings® format. This capability is very useful for suppliers who can quickly generate eDrawings reports and share it with the OEM for their review, comments and acceptance.

CAMWorks provides an easy to use and easy to learn CNC solution for the Indian manufacturing industry. Its pioneering feature based machining and knowledge based machining technology, TechDB™ (Technology Database) is designed to significantly reduce the time required to generate machining strategies and processes for Tool and Die Industry. The technology database automatically associates tooling, operation strategies, and machining parameters to the features. To further enhance the automation process, the knowledge-based rules in the TechDB are fully customizable to apply company's best practices.

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Learn How Direct Modeling Keeps Leading Manufacturers on Top

January 2011

Join PTC Creo Elements/Direct experts for a series of [live webcasts](#) on how a direct modeling approach to 3D design can improve your product development processes and increase overall engineering productivity.

In each of these [upcoming webcasts](#) you will hear how many top manufacturing companies have used direct modeling techniques to significantly improve their competitive advantage.

Today's discrete manufacturers face short design cycles, increasing demand for new products, and unpredictable design requirement changes – creating unprecedented demand for flexibility and real time, on-the-fly interactions, and leaving little room for slow application performance. Sound familiar?

Attend one or all of these webcasts and learn how direct modeling addresses today's top CAD challenges and can help you:

- Improve speed and flexibility of conceptual design process

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Optimize the CAE workflow with model preparation and optimization

Save cost and time by leveraging and repurposing available designs from any sources

[Click here to view the webcast calendar](#) and register for your topic(s) of interest.

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Nemetschek Vectorworks, buildingSMART Alliance and Nemetschek Scia Present openBIM Webinar

6 January 2011

[Nemetschek Vectorworks, Inc.](#), in conjunction with [Nemetschek Scia](#) and the [buildingSMART](#) alliance, will present part two of the AIA continuing education webinar "openBIM - Real Interoperability, Practical Collaboration" on Thursday, January 20 at 2:00 p.m. EST/7:00 p.m. GMT.

Building Information Modeling (BIM) interoperability is possible with openBIM—the use of internationally recognized open standards to exchange building information. These open standards include the use of Industry Foundation Classes (IFC) for building geometry and data. IFC is supported by more than 70 international vendors and 110 applications and is used today to create, analyze and distribute building information models. Organizations across the globe are developing IFC-based BIM guidelines for project designs to facilitate the use of data across multiple vendors, applications and end-users.

Presented by Jeffrey W. Ouellette, Assoc. AIA, Project Architect at Nemetschek Vectorworks, this webinar will define openBIM and IFC and explain the advantages of using openBIM workflows and IFC technology. It will also demonstrate a case study in the use of openBIM workflows using architectural, structural and HVAC BIM-authoring applications. Webinar attendees are eligible to receive one American Institute of Architects (AIA) learning unit hour.

"This webinar will take our discussion of the principles of openBIM and IFC to the next level, using the DC Riverside Office Building project as an example," said Ouellette. "This urban commercial development proposal is a demonstration of true interoperability, as it involved the exchange and coordination of important model information between Vectorworks Architect, Scia Engineer and DDS-CAD MEP."

To register for this webinar, visit <https://www2.gotomeeting.com/register/257444827>.

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SolidWorks World 2011, Jan. 23-26, San Antonio, Texas

7 January 2011

What: Dassault Systèmes SolidWorks Corp. hosts [SolidWorks World 2011](#): Innovation for a better world

World 2011 will showcase innovations that will help design engineers create products to meet personal and societal needs.

SolidWorks World 2011 is the 13th annual gathering of customers, partners, resellers, and employees of DS SolidWorks, maker of software for [design](#), [simulation](#), [data management](#), [technical communications](#), and sustainability assessment. Highlights of the event include:

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Networking with more than 4,500 attendees including engineering and design professionals, students, educators, partners, resellers, and DS SolidWorks employees from around the globe. Attendees can also [connect online](#) before and during the event.

Customer stories from industries ranging from aerospace and medical instruments, to consumer electronics and renewable energy.

More than [200 in-depth training sessions](#), many of them hands-on, covering topics such as “Creative Solutions to Everyday Problems,” “SolidWorks for Creative Educators,” and “Designing Solar Equipment.”

Management/executive-oriented training sessions such as “The CAD Manager Survival Guide” and “The 200% Business Process Innovation Challenge: Utilizing SolidWorks Multiple Products for the Equipment Manufacturer.”

A product showcase with more than 100 new SolidWorks-designed products, such as joint implants, laptop cases, fuel systems, and bicycles.

The [Partner Pavilion](#) featuring more than 100 technology products that work with SolidWorks software to deliver new business benefits.

The Ultimate CAD Chair from [“Let’s Go Design,”](#) DS SolidWorks’ interactive Web series that invites members of the SolidWorks community to submit design ideas to create an actual product.

When: January 23-26, 2011

Where: Henry B. Gonzalez Convention Center
200 E Market St.
San Antonio, Texas 78205
(210) 207-8500

Who:

SolidWorks has just added Discovery TV’s [“Bionic Builders”](#) to its roster of keynote speakers. Hollywood stuntman and amputee [Casey Pieretti](#), and his engineering partner Bill Spracher, build and test outrageous prosthetics that allow their amputee clients to surpass ordinary human ability while attempting to replace a missing part of their lives. Other keynote speakers include the following SolidWorks executives and featured guests:

Bertrand Sicot, new CEO of DS SolidWorks

Jeff Ray, executive vice president, geographic operations, Dassault Systèmes

Bernard Charlès, DS president and CEO

Jon Hirschtick, DS SolidWorks founder and group executive

Apollo 13 commander captain James Lovell Jr. and lead flight director Gene Kranz

A wide range of customers – from early SolidWorks adopters to students just starting out in engineering with award-winning projects

Other ways to connect with SolidWorks World 2011 online include:

DS SolidWorks Blog – [SolidWorks World 2011 topics](#)

[DS SolidWorks on Twitter](#)

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[SolidWorks World 2011 account on Twitter](#)

[DS SolidWorks on Flickr](#)

[SolidWorks World 2011 Flickr](#)

[DS SolidWorks on YouTube](#)

Michael Lord, Australian vehicle designer, who tweets at [@ml13ml](#), will be this year's official Internet Correspondent. He will be blogging about SolidWorks World 2011 on the [SolidWorks blog](#).

CONTACT: A complete agenda is available [online](#). [Registration is open now](#) (save \$100 by registering before January 8).

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SURFCAM V5.1 to Showcase at SolidWorks World 2011

5 January 2011

Surfware, Inc., developer of SURFCAM® CAD/CAM systems, will be demonstrating the newest release of SURFCAM V5.1 at the SolidWorks World 2011 exhibition to be held in San Antonio, Texas, from January 23rd to the 26th in booth #315.

SURFCAM has been a Certified SolidWorks CAM partner for over 5 years. Now with the latest release of SURFCAM V5.1, SolidWorks customers will have even more new features and functionality, giving them precision and control over their NC programming environment when using their SolidWorks models.

SURFCAM's associativity enables users to open native SolidWorks files directly into SURFCAM, completely eliminating the translation process. When changes are made to the SolidWorks design models, SURFCAM automatically recognizes the design revisions and offers to regenerate only the affected toolpaths. With this seamless interoperability between these 2 systems, SURFCAM users can quickly adapt to design changes. SURFCAM's seamless associativity to SolidWorks files allows users to enjoy not only increased productivity, but flexibility as well.

Surfware will be showcasing SURFCAM V5.1 with demonstrations of SolidWorks associativity and all new features and functionality in the new release. The SURFCAM V5.1 release contains significant and powerful new features and functionality requested by end users, making existing functionality in SURFCAM more efficient and simply faster than ever before. Some of the new features and enhancements in SURFCAM V5.1 are:

- Full Machine Simulation Option
- Advanced 3 Axis Cutting Strategies Option
- 64 Bit Toolpath Verification
- Ability to Open & Machine native STL files
- Enhanced TRUEMill Multi-tool Support with TSRM (TRUEMill Step Reduction Milling) Technology
- "Save As" STL Models for in-process Verification
- Post Processor enhancements for APT code
- Operations Manager Enhancements

- Updated Translators
- Improved memory management for 32 & 64 bit systems
- ...plus over 200 improvements

SURFCAM V5.1 now supports SolidWorks 2011 parts, assemblies, sketches and configurations and includes over 200 Post Processors for major CNC machine manufactures.

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Synopsys Showcases DesignWare Sonic Focus, Arc Processor Cores and MIPI IP at CES 2011

6 January 2011

Synopsys, Inc. will showcase its latest DesignWare® IP at CES 2011 in Las Vegas, Nevada. See [live demonstrations](#) of the DesignWare ARC™ configurable processor cores, Sonic Focus® audio post-processing IP, and MIPI CSI-2 IP and speak with our product experts. As a trusted IP partner, Synopsys provides high-quality IP solutions that help reduce SoC integration risk, lower costs and speed time-to-market.

What: Synopsys at CES 2011

When: January 6-9, 2011

Where: The Venetian Hotel, Venetian Tower, Suites 30-334 and 30-336, Las Vegas, NV

Exhibit Hours: 9:00 am to 6:00 pm

Demo Descriptions:

DesignWare Sonic Focus Audio Post-Processing IP

Experience a new generation of audio post-processing and enrichment technology, enabling high-quality and immersive audio for advanced consumer electronic multimedia products.

DesignWare ARC 32-Bit Configurable Processor Cores

See the DesignWare ARC synthesizable processor cores utilizing the latest software stack to implement mobile and consumer products.

DesignWare MIPI CSI-2 Host Controller and D-PHY IP

See streaming data from a standard MIPI-based camera to a display using the DesignWare MIPI CSI-2 Host controller and D-PHY IP.

For more information on Synopsys' participation at CES, please visit:

<http://www.synopsys.com/IP/Pages/CES2011.aspx>

For more information on DesignWare IP, please visit: <http://www.synopsys.com/designware>.

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Financial News

EDA Consortium Reports Revenue Increase for Q3 2010

5 January 2011

The EDA Consortium (EDAC) Market Statistics Service (MSS) today announced that the Electronic Design Automation (EDA) industry revenue for Q3 2010 was \$1307.0 million, an 11.9 percent increase compared to \$1167.9 million in Q3 2009. Sequential EDA revenue for Q3 increased 6.9 percent, while the four-quarters moving average, which compares the most recent four quarters to the prior four quarters, increased by 4.9 percent.

“Overall third quarter results represent a significant increase compared to Q3 2009, with double digit increases in CAE, IC Physical Design & Verification, and SIP,” said Wally Rhines, EDAC chair and chairman and CEO of Mentor Graphics. “Geographically, the Americas, Europe/Middle East/Africa, and Asia/Pacific regions all had double digit increases relative to Q3 2009. The Americas, Japan, and the Asia/Pacific region also increased sequentially.”

Companies that were tracked employed 26,474 professionals in Q3 2010, an increase of 1.9 percent compared to Q2 2010, and up 2.1 percent from the 25,942 employed in Q3 2009.

The complete MSS report, containing detailed revenue information broken out by both categories and geographic regions, is available via subscription from the EDA Consortium.

Revenue by Product Category

Computer Aided Engineering (CAE), EDA’s largest category, generated revenue of 512.8 million in Q3 2010. This represents a 13.9 percent increase over the same period in 2009. The four-quarters moving average for CAE increased 4.5 percent.

IC Physical Design & Verification revenue increased to \$291.6 million in Q3 2010, an 11.8 percent increase compared to Q3 2009. The four-quarters moving average increased 0.1 percent.

Printed Circuit Board and Multi-Chip Module (PCB & MCM) revenue of \$125.7 million decreased 5.4 percent compared to Q3 2009. The four-quarters moving average for PCB & MCM decreased 1.8 percent.

Semiconductor Intellectual Property (SIP) revenue totaled \$298.5 million in Q3 2010, a 24.0 percent increase compared to Q3 2009. The four-quarters moving average increased 21.1 percent.

Services revenue was \$78.5 million in Q3 2010, a decrease of 6.0 percent compared to Q3 2009. The four-quarters moving average decreased 12.8 percent.

Revenue by Region

The Americas, EDA’s largest region, purchased \$577.2 million of EDA products and services in Q3 2010, an increase of 12.9 percent compared to Q3 2009. The four-quarters moving average for the Americas increased 3.1 percent.

Revenue in Europe, the Middle East, and Africa (EMEA) was up 9.9 percent in Q3 2010 compared to Q3 2009 on revenues of \$224.3 million. The EMEA four-quarters moving average was flat.

Third quarter 2010 revenue from Japan decreased 7.1 percent to \$231.2 million compared to Q3 2009. The four-quarters moving average for Japan decreased 6.0 percent.

CIMdata PLM Industry Summary

The Asia/Pacific (APAC) region revenue increased to \$274.3 million in Q3 2010, a 34.6 percent increase compared to the same quarter in 2009. The four-quarters moving average increased 28.9 percent.

About the MSS Report

The EDA Consortium Market Statistics Service reports EDA industry revenue data quarterly and is available by annual subscription. Both public and private companies contribute data to the report. Each quarterly report is published approximately three months after quarter close. MSS report data is segmented as follows: revenue type (product licenses and maintenance, services, and SIP), application (CAE, PCB/MCM Layout, and IC Physical Design and Verification), and region (the Americas, Europe Middle East and Africa, Japan, and Asia Pacific), with many subcategories of detail provided. The report also tracks total employment of the reporting companies.

About the EDA Consortium

The EDA Consortium is the international association of companies that provide design tools and services that enable engineers to create the world's electronic products used for communications, computer, space technology, medical, automotive, industrial equipment, and consumer electronics markets among others. For more information about the EDA Consortium, visit <http://www.edac.org>, or to subscribe to the Market Statistics Service, call 408-287-3322 or email mss10@edac.org.

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OpenText to Report Second Quarter Financial Results on Wednesday, February 2, 2011

7 January 2011

Open Text™ Corporation announced that financial results for its second quarter of fiscal year 2011 will be released on Wednesday, February 2, 2011 at approximately 4:00 p.m. ET.

Teleconference Call

OpenText will host a conference call on February 2, 2011 at 5:00 p.m. ET to discuss its final financial results.

Date: Wednesday, February 2, 2011

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

Length: 60 minutes

Where: 416-644-3415

800-814-4860 (Toll Free)

Investors should dial in approximately 10 minutes before the teleconference is scheduled to begin. A replay of the call will be available beginning February 2, 2011 at 7:00 p.m. ET through 11:59 p.m. on February 16, 2011 and can be accessed by dialing 416-640-1917 and using passcode 4399170 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/2/investors/ir-events.htm>.

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Surfware Reports 13% Increase in Sales Growth for 2010

7 January 2011

Surfware, Inc. is pleased to report a 13% increase in sales growth for 2010 as compared to 2009.

"We are pleased with our sales growth results for 2010," says Peter Marton, Vice President of Surfware. "This increase in sales for 2010 is a result of Surfware's powerful worldwide reseller network, growing direct sales force, and SURFCAM's powerful V5 Series of releases. We anticipate and look forward to this continued growth in the New Year with our next impending SURFCAM release."

SURFCAM V5 was released in February 2010 and SURFCAM V5.1 was released in August 2010.

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Implementation Investments

Customer Case Study: On Target With Edgecam

4 January 2011

Europe's largest paintball equipment manufacturer says using the Edgecam software helps them hit their targets.

Dave Long, production manager of Arrow Precision, paints a very healthy picture when it comes to the speed and ease with which Edgecam drives their Mazak mill-turn and Haas milling machines to produce the 67 components that go into their range of paintball guns – or markers, as they are known in the industry.

Dave Long says Edgecam is particularly important when it comes to prototyping. "I design the component using Pro/Engineer, then import it into Edgecam, put our stock around it using Edgecam's automatic stock system, then the toolpaths go on, I finalise everything, and copy it on to a 3" floppy disk, take it downstairs to one of our machines, feed it in and we're ready to go. It's as simple as that." He also produces a set up sheet which he gives to the operator with the tooling list.

While he finds the code wizard useful, he also adjusts the post processors manually to ensure he gets the output that is absolutely perfect for his own specific needs.

Aldershot-based Arrow Precision is a one-stop shop for the paintballing trade, providing everything from overalls, cradles for the CO2 bottles, and the paintballs themselves – but it is their classic Sterling pump gun and Inferno semi-automatic field gun ranges that are the most complex. "We make the entire marker from scratch, we hog out billets, machine extrusions, and make the valves and regulators. We like Edgecam because it's so fast and saves us so much time. We get everything set up on screen, take it to the machine shop and the job's 90% or more correct straight away."

With the Inferno being the most popular field gun in Europe, it is essential that its mechanical components are reliable in all weather conditions, so the precision engineering delivered by Edgecam is essential. Likewise Arrow's Sterling STP is considered the "Rolls Royce" of pump guns, with Edgecam playing a major role in ensuring that it cannot be touched for finish, reliability or performance, thanks to its precision components.

And Edgecam is set to play another important role as Arrow Precision diversifies. Paintballing is generally a seasonal business, slowing down at the end of October before picking up again at Easter.

CIMdata PLM Industry Summary

“During this dead time we normally build for stock, anticipating the demand in Spring. But we’re now moving into production of new products not related to paintballing, but related to our experience with high pressure air and CO2. We’ve got the capacity, we’ve got the experience, and thanks to Edgcam we’ve got the manufacturing capability.”

He says their return on investment with Edgcam will be even more impressive as they move forward into these new areas of business. “We’ll have some serious 3D milling to do, but with Edgcam we have complete confidence that we’ll be able to do exactly what we need, so it’s an essential and integral part of our diversification programme. It’s absolutely keystone for it, as we’ll be able to use it for producing parts very quickly.”

When Dave Long joined Arrow Precision six years ago from his role as applications engineer at Hitachi, where he used Edgcam, he found he could not get satisfactory programs from the system Arrow were using. He presented a case to managing director John Brudenell-Bruce, for switching to Edgcam and quickly showed that it did a better job, and cost slightly less.

He says writing the programs longhand could take up to three days, but he produces them with Edgcam in an hour, including toolpaths, processing, checking, and running them through the part checker. It is also important for him to be able to carry out the programming offline. “Quite often the machine I use for prototyping is running production, so I’ll queue my new programs up, wait for a window on the machine and then try them out.

“Once the program’s set it’ll be issued with a setting sheet – we take the headers off the post processor with all the tooling information, then I lay them up as a Word file and transfer them.” He has around 300 mainstream production programs with Edgcam currently stored on the server.

And he says when they need to change a machine from producing one part to another, it is simple to change the program. “If it’s a mill we take the set up sheets, drawings and inspection sheets along with the program, I’ll strip off what’s on there and rebuild according to the setting sheet, set up the data and it’s ready to start.”

Once the components come off the machine they are inspected, then they’re finished with the burrs knocked off to give a uniform finish, they’re dried out and anodised, then assembled by hand.

Edgcam’s production milling features provide a wide range of powerful roughing and finishing cycles that can handle the most complex components. High performance 3-axis cycles are complemented by a range of 4- and 5- axis simultaneous strategies that increase flexibility and efficiency of the machining process, allowing scope for the purchase of new, more powerful machines, that can be driven by the existing software.

[Edgcam](#) capitalizes on the productivity improvements delivered by Arrow’s investment in their Mazak mill-turn machine, which enables milling and turning operations to be combined in a single setup. The system’s graphical timeline allows the operator to synchronise operations on different turrets and spindles, optimising manufacturing processes and minimising cycle times, essential to Arrow’s efficiency.

Plus, as Arrow are also considering expansion into mold and die production, Edgcam is the solution for such applications, combining simple 2-axis machining functionality for plates, and advanced 3-axis machining cycles for more complex geometry.

And Dave Long has found another, immediate, added bonus with Edgcam – it helps them manufacture replacement parts for some of the machines in the paintball production line. “Those machines can break

down when parts wear out. With Edgcam we manufacture our own replacements, so it's not only vital to our manufacturing process, it also helps keep our maintenance costs down."

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Delcam's ArtCAM Produces Dies in a Day

20 December 2010

Falcontec, a UK-based manufacturer of rotary foiling and embossing tools, is using Delcam's ArtCAM engraving software to provide its customers with dies within deadlines as short as one working day. With over fifty years in the industry and a strong dedication to in-house research and development, the company understands that this fast service gives it a strong competitive edge in today's challenging economic climate.

"Most of the files that we receive from our customers are Adobe Illustrator files. These often contain a number of levels, which highlight the areas of the design that they want embossed or foiled, for instance," explained Mike Brown, Programming Supervisor at Falcontec. "When a customer checks the quality of the design, they are usually looking at the visually-pleasing elements of the work, but this doesn't mean it is suitable for machining. This is where ArtCAM's Vector Doctor becomes extremely useful. It not only allows you to see vectors that could cause machining issues but it automatically fixes them. This saves so much heartache, especially when some jobs we receive have up to 30,000 vectors."

Another effective and time-saving feature within ArtCAM is the Offset Vectors tool. This allows Mr. Brown to select a vector and create a copy within a set distance around it or to the side of it. The new vector can then be used to add shape and dimension to the artwork.

Once the artwork is complete, Mr. Brown can choose from a range of machining strategies designed to improve accuracy whilst reducing the time taken on the machine. "With our previous software, calculating the toolpaths for machining took anything up to half a day," he commented. "Now it can be done in seconds. We also had no indication on how long the calculation would take. With ArtCAM this can be monitored with the progress bar but you very rarely need to watch it because the software is that quick."

Falcontec also provide customers with a choice of embossing dies. For example, an engraved female die can be used in conjunction with a hard rubber anvil or, for the finest detail, both male and female sets can be provided. If the customer later requires the production of a male counterpart, thanks to ArtCAM, an engraved rotary male die can be produced that fits perfectly.

Falcontec Director, Stan Vigurs added, "One of the reasons we bought ArtCAM was to do more 3D work and every day we are finding more scope to do so. Originally our organisation concentrated purely on the label converting industry, but now we are able to do more and more work for packaging, book binding and even saddlery."

He continued, "As a company, we regularly review how we can reduce the time required to set-up a machine so that we can pass these savings onto our customers. ArtCAM continually helps us do that. Delcam is a very professional company and we enjoy working with them."

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E³.series Eliminates Electrical Design Pain for CNC Machine Tool Retrofit Company A-Tec Systems

5 January 2011

A-Tec Systems, specialist CNC machine tool retrofit company, has adopted Zuken's [E³.series](#) electrical CAD software for all its electrical system and wire harness design projects. The team are now enjoying the ability to focus on product design rather than dealing with the distractions and loss of productivity caused by previous design tools.

Based in Wigan, UK, A-Tec Systems work with large CNC (computer numerically controlled) machines typically used in the aerospace and oil industries that have a high residual value, and bring new life to them by installing new customized control systems. Every design is customized, with 95% different functionality in each project.

Overall productivity with the introduction of E³.series has improved by 10%, with enhanced design capabilities and a significant reduction in rework.

"Since we've been using E³.series, our technicians find it much easier to work with the schematic output from E³.series which provides more detailed documentation. E³.series is exceptionally stable and has an open access API. This has allowed us to customize the solution to suit our design process," commented Chris Hatfield the technical director of A-Tec Systems.

A-Tec also selected E³.series for its design reuse capabilities. "It means that we can import pages and other sections of a design easily without having to reorganize the database. This will save us substantial amounts of time."

E³.series is available direct from Zuken or through the distributor network. In this case, A-Tec turned to UK distributor High Peak Systems to deliver a complete solution to their problems, for further details about High Peak Systems visit www.highpeaksystems.com

For more information about E³.series visit www.zuken.com/e3series

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IMAGINiT Technologies Secures \$5.6 Million Contract

5 January 2011

Rand Worldwide announced that its IMAGINiT Technologies division (<http://www.imaginit.rand.com>) has won a \$5.6 million contract with a national education provider. The agreement is to supply, install and support Autodesk Education Master Suite 2010 and Autodesk Education Entertainment Creation Suite 2010 to more than 100 locations across the country for a technology-focused program education provider.

Educational leaders choose IMAGINiT Technologies for their insight into this vertical and their technical expertise. Customers include private and public institutions and state universities such as Ohio, Illinois, Iowa, South Dakota and Nebraska.

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IMPSA Expands Investment in ANSYS Solutions for Wind and Hydro Turbine Innovation

6 January 2011

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Renewable energy equipment developer/manufacturer IMPSA is expanding its investment in ANSYS® software to create innovative wind and hydro turbines, which will make the systems more efficient and, consequently, deliver improved customer satisfaction.

Headquartered in Argentina, IMPSA plans to apply the full range of ANSYS capabilities in complex multidisciplinary applications, including aerodynamic engineering, structural mechanics, fluids dynamics, noise prediction, design life, electric generators, and control and power electronics concerns.

"Simulation-driven product development is a key element of our R&D strategy, designed to enhance our global competitiveness, lower per-unit power generation cost and create superior customer value," said Dr. Bernardo Beling, director of technology at IMPSA. "The breadth and depth of the ANSYS multiphysics-based portfolio coupled with ANSYS high-performance computing capabilities and dependable local support make the ANSYS solution unique in addressing our current and future design and analysis needs."

The renewable energy industry is fraught with engineering challenges due to a wide range of variables that go well beyond component design — including interactions at the system level as well as manufacturing, transportation, installation and operating behavior concerns. Traditional build-and-test approaches are expensive and time consuming, and they provide only limited insight into optimal designs. The coupled multiphysics capabilities of ANSYS engineering simulation software can help organizations to optimize the design of the entire application, whether the challenge is a small wind turbine or a large wind energy project.

"As the wind and hydro turbine industry grows, it introduces advanced technology such as multi-axis designs, larger blades, gearless drives, new generators and controllers, and improved tower design. To achieve overall product integrity of turbines and their components, engineers must look at a total solution," said Ahmad Haidari, director of energy industry marketing at ANSYS. "Using multiphysics technology from ANSYS, IMPSA can develop differentiating products that will meet the challenging requirements of renewable energy projects. The company's expanded use of our portfolio proves that simulation can bring much value and innovation to an organization."

Engineering Simulation and Scientific Software (ESSS) Ltda., the ANSYS distribution and support channel partner in South America, worked closely with IMPSA on the sale and is instrumental in providing local support. "Our relationship with IMPSA has grown over the last decade, and we have responded to their growing trust in the ANSYS integrated portfolio with an increased level of engineering expertise, industry knowledge and technical support. With our new office in Cordoba, Argentina, we continue to expand our resources throughout South America to support ANSYS fluids, mechanical and electromagnetics solutions for customers in the energy sector as well as other markets in the region," said Marcus Reis, vice president of sales, support and services at ESSS.

About IMPSA

IMPSA, Headquartered in Argentina, is a global company dedicated to producing integral solutions for the generation of electric power from renewable resources, components for nuclear power stations, and equipment for oil and gas processes. Nowadays, in addition to developing significant hydro projects worldwide, IMPSA is the biggest wind energy investor in South America. With a broad understanding of its customers' needs, IMPSA has developed an interesting product combination, organized in the following business units: IMPSA Wind, IMPSA Hydro, IMPSA Energy, IMPSA Nuclear and IMPSA Process. IMPSA offers a worldwide business network with offices in Argentina, Brazil, Chile, Ecuador, Colombia, Venezuela, USA, Malaysia, China, Vietnam, India, and South Africa. Due to its

effectiveness concerning value creation, the company holds a tradition backed by hundreds of projects around the world.

About Engineering Simulation and Scientific Software Ltda.

ESSS, founded in 1995, has built engineering simulation and computer science capabilities to deliver and support a wide range of mathematical modeling and numerical simulation solutions to a variety of industries, including oil and gas, mining, aerospace, automotive and electronics. Headquartered in Florianopolis, Brazil, ESSS has offices throughout South America (Peru, Chile and Argentina) and distributes and supports ANSYS solutions along with complementary products. It also offers software training and customization. ESSS also develops vertical software solutions for the oil and gas industry. Visit <http://www.esss.com.br> for more information.

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Jilin University's College of Automotive Engineering Provides Students and Faculty With MathWorks Software School-Wide

4 January 2011

[MathWorks](#) announced that [Jilin University's College of Automotive Engineering](#) in Changchun, China, has signed a software license agreement to provide all students and faculty at the college with [MATLAB](#), [Simulink](#), and 48 additional MathWorks products for technical computing and [Model-Based Design](#).

“Providing broad access to MathWorks software for modeling, simulation, automatic code generation, and verification supports our mission to develop and train engineers who can help automotive companies in China remain competitive,” said Guan Hsin, dean of the College of Automotive Engineering at Jilin University. “We value the opportunities for hands-on learning that MATLAB and Simulink provide.”

Known as the “cradle of engineers,” Jilin University’s College of Automotive Engineering is one of China’s leading automotive-engineering schools. This license agreement –the first school-wide MathWorks licensing arrangement in China – will enable Jilin automotive engineering students to learn the latest techniques for system modeling, embedded systems development, algorithm development, and data analysis by using the same tools that have been adopted worldwide by the automotive industry.

“MathWorks believes in supporting engineering education around the world by helping schools attract and retain students in technical fields and produce engineering graduates with the knowledge and skill to succeed in the workplace,” said Jim Tung, MathWorks Fellow. “With this school-wide license, Jilin University’s College of Automotive Engineering is simultaneously addressing the global need for top-quality engineering education and developing the next generation of automotive design engineers.”

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Precision Engineering Company Alphateq Selects Siemens NX-based CAD/CAM Solution from Majenta PLM

4 January 2011

Majenta PLM has announced that Alphateq, a specialist in pattern and model-making and body engineering services for the automotive industry, has selected Siemens NX for use in the design and

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manufacture of a variety of precision engineered products.

Although the precision engineering company already used other 3D CAD software products, its decision to implement NX was driven by the increasing complexity of many of its customer's projects, in which change is a common occurrence, and by the need for closer collaboration with its customers.

“We selected NX because it provides high-end manufacturing capabilities which are tightly integrated with its solid modelling design facilities,” explained Brian Garforth, managing director, Alphateq. “In addition, it will enable us to interact more readily with our customers, especially those in the automotive industry, who use 3D solid modelling-based CAD systems themselves.”

NX will be used by Alphateq for high-end and technically complex projects such as the development of engine cylinder heads and block pattern equipment for the sand casting foundry process. Its use here is expected to result in shorter development lead times, which will benefit both Alphateq and its customers.

“We are delighted that Alphateq has selected NX and we look forward to working with them to help them get the greatest possible benefits from its use,” said Trevor Stapleton, director, [Majenta PLM](#).

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Project Based Manufacturer Huber SE Selects IFS Applications to Streamline Business Processes

3 January 2011

Huber SE, a leading international manufacturer of machinery and equipment for wastewater treatment, has selected IFS Applications as its corporate ERP solution to optimize business processes, increase productivity and reduce throughput times throughout its organization. The total value of the contract is in excess of €1.6 million.

Huber SE wanted a single fully integrated ERP solution to replace its current software, which came from different vendors. The company selected IFS because IFS Applications provided the best fit for Huber's requirements, especially in the key areas of project-based manufacturing and engineering, and because of the availability of local support. Huber SE will implement IFS components for manufacturing, engineering, distribution, service management, document management, quality management, project management, human resource management, and sales and service. Existing systems will be replaced at headquarters in Berching, Germany, to begin with. Further sites will follow, with go-live throughout Germany by the end of 2011. Roll-out to subsidiaries worldwide is expected to commence in the second quarter of 2012.

Georg Huber, CEO, Huber SE, said, “We selected IFS Applications not just because it matched our requirements perfectly, but also because of the industry competence demonstrated by the IFS team. Having one single ERP solution will enable us to implement uniform processes throughout the group and will give us the tools to analyze, which in return will enable us to streamline our processes and introduce uniform best practices company-wide.”

Peter Höhne, Vice President, Sales & Marketing, IFS Central Europe, said, “We are proud to sign a globally renowned customer like Huber SE. Its decision to select IFS Applications is yet another indication of the strength of our project-based solutions for manufacturers in the international mid-range market.”

More information on Huber is available at <http://www.HUBER.de>.

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Product News

Agilent Technologies Introduces Industry's First Design and Test Solution for 3GPP LTE-Advanced

5 January 2011

Agilent Technologies Inc. announced the industry's first commercially available 4G system design library for 3GPP Release 10 -- the [W1918 LTE-Advanced library](#). The new system design library is available as an option to Agilent's [SystemVue 2011.03 release software](#). Wireless system architects and chipset makers working to provide the 4G network 1-Gbps peak download speed can now use Agilent's W1918 LTE-Advanced library for earlier verification of physical layer (PHY) algorithms and system performance.

Today's explosion in smart phones is driving wireless operators to accelerate deployment of 3GPP Release 8 (LTE or 3.9G) networks, in order to deliver an order of magnitude increase in peak user capacity, and the improved user experience it promises. 4G networks such as LTE-Advanced promise to provide this capacity improvement, but they require a higher level of sophistication to deliver the necessary performance improvement. Agilent's new W1918 LTE-Advanced baseband verification library helps system architects, baseband algorithm developers and component manufacturers deliver on this performance by providing:

- superior intellectual property access to earlier working models of the evolving 4G standard;
- outstanding RF and MIMO channel modeling fidelity;
- integration between multi-language PHY modeling and wideband test equipment; and
- greater RF and baseband design-flow integration.

"As the provider of world-class LTE solutions, Agilent is fully committed to providing engineers with the resources they need to create the next generation of mobile communication devices based on LTE-Advanced," said Ron Nersesian, president of Agilent's Electronic Measurement Group. "Our delivery of the LTE-Advanced library, almost concurrently with the new standard itself, is a prime example of that leadership. As the LTE-Advanced standard evolves, and infrastructure is deployed, we will continue to honor that commitment by working to keep our customers at the forefront of this technology."

Key features of the new W1918 LTE-Advanced library include:

- support for new Rel10 features such as contiguous and non-contiguous carrier aggregation (CA) and downlink /uplink enhancements;

- support for closed-loop coded throughput simulations with up to 8x8 MIMO with fading and active HARQ feedback;

- simulation-based support for proposed MIMO over-the-air testing with standards-based fading, through optional [W1715 MIMO Channel](#) library;

- overlay support for 3GPP Release 8; and

- integration with Agilent's signal generator/signal analyzer families, enabling early R&D validation of both algorithms and hardware.

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U.S. Pricing and Availability

The W1918 LTE-Advanced library is available as an option to Agilent's SystemVue 2011.03 release. Both simulation and measurement integration with Agilent instruments will be showcased at the [Mobile World Congress 2011](#) in Barcelona Spain, February 14-17, Hall 1, Stand A46. Initial availability of the library is expected in March 2011.

SystemVue is available now at a starting price of approximately \$17,000. A free 30-day evaluation copy is available at <http://www.agilent.com/find/eesof-systemvue-evaluation>.

To download new application notes about the SystemVue LTE-Advanced library, view a brief demonstration video, or enroll in the Early Access program, please visit <http://www.agilent.com/find/eesof-systemvue-lte-advanced>



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Apriso Joins PTC's PartnerAdvantage™ Program

5 January 2011

[Apriso](#) announced it has joined PTC's PartnerAdvantage Program at the Gold Tier. Inclusion in the PartnerAdvantage Program, which provides access to a comprehensive suite of capabilities, is a result of an extensive review of Apriso's FlexNet manufacturing engineering solution by PTC and Apriso's commitment to integrating with PTC's Creo™ Elements™ design technologies and Windchill® manufacturing process management technologies.

Acceptance in the PartnerAdvantage Program arose from the growing need of global manufacturers across consumer goods, aerospace and defense, automotive, industrial, life sciences, and high tech industries to better connect their engineering design and manufacturing planning processes with production execution on the shop floor. In addition to enabling customers to reduce time and avoid errors when transferring "as-designed" and "as-planned" Bills of Materials (BOMs) to production, the integration of Windchill and FlexNet will bridge the gap between product and process design and product execution. Other direct benefits customers will be able to achieve include [accelerated New Product Introductions](#) and greater flexibility to manage a higher volume of Engineering Change Orders more efficiently.

"Apriso's integration to Windchill provides a comprehensive solution for connecting product design to execution on the shop floor," stated Andy Barlow, PTC's Senior Director of Business Development. "The partner program is comprised of software providers selected for their expertise. Through our review process, Apriso demonstrated its expertise in manufacturing engineering management across aerospace and defense, automotive, industrial, consumer goods, high tech, and life sciences industries. The company is a great addition to the program."

"When manufacturers design the process for quality, manufacturability and compliance within PTC's Windchill MPMLink®, FlexNet can ensure that they reach the designed quality levels and compliance so products are built right the first time," explained Eric Green, vice president of solution strategy at Apriso. "FlexNet maintains traceability and genealogy of products and parts, including process parameters, equipment and tooling used, for a full "as-built" record of modifications and sign-offs, complementing the "as-designed" and "as-planned" records in Windchill."



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CFdesign 2011 Winter Update Cuts Simulation Time in Half Collaboration

4 January 2011

Blue Ridge Numerics, Inc. announced the [CFdesign 2011 Winter Update](#) is available for immediate download through the CFdesign customer portal. This latest update is part of the quarterly release schedule and includes many enhancements including significant solver speed improvement that reduces simulation time by up to half, deeper integration with [Siemens NX software](#) and support for [Solid Edge ST3](#), [SolidWorks 2011](#), [SpaceClaim 2010](#) and [CATIA, version 5, release 20](#).

Engineering challenges are growing in size and complexity. These problems can often involve solving large coupled sets of equations depending on the physics being solved. Solving these large set of algebraic equations reliably is extremely complex and, if not done in an optimum manner, can be very time consuming. The CFdesign 2011 winter update features an optimized parallel, iterative matrix solver that interprets and adjusts complex mathematics, on the fly, which results in a two-fold speedup for multi core machines.

“Today’s engineering environment requires large models and multi-scenario design studies to be solved fast with a high degree of accuracy. Engineers are expected to significantly increase productivity and look to CFdesign to help meet this challenge,” explains Derrek Cooper, CFdesign Product Manager. “Automation tools on the front-end are vital to engineering productivity, but it is equally important to continuously harness cutting edge software programming methods and computing environments to drive, accurate solutions so that engineers can confidently do design exploration on the fly and make design studies an organic part of the design process.”

A major release of CFdesign is delivered annually each fall followed by three scheduled quarterly updates, a unique approach in the CAE industry that draws rave reviews from Engineers and managers alike. This consistent development process assures that CFdesign remains compatible and can take advantage of the latest release of each CAD tool, Microsoft Windows, and new hardware advancements.

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CFdesign 2011 Winter Update Provides New Smoke and Thermal Tools for Architectural and MEP Engineers

4 January 2011

Blue Ridge Numerics, Inc. announced the [CFdesign 2011 Winter Update](#) is available for immediate download through the CFdesign customer portal. This latest update is part of the quarterly release schedule and includes many enhancements, including smoke visualization and thermal comfort indices which enable [MEP and architectural design firms](#) to meet increased demand by owners and architects for high-performance, sustainable buildings. This update also includes the addition of an [Autodesk Revit](#) navigation mode, to more seamlessly integrate CFD with BIM.

CFdesign smoke simulations allow engineers to better understand how to optimize make-up air (MUA) systems, reduce equipment sizes, and meet building codes while improving on NFPA guidelines which are especially stringent in atria and non-traditional spaces. In addition, building lifecycle costs can be dramatically reduced by using CFdesign to gain insight into sizing and installation of air handling systems and generators.

Thermal comfort indices can be studied with CFdesign and are used to help guarantee client satisfaction by combining all human factors within the built environment, including temperatures, clothing, activity

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levels, and air speeds. Predicted Mean Vote (PMV) and Percent Persons Dissatisfied (PPD) outputs are used to ensure that satisfaction within the built environment is maximized, leading to higher productivity, healthier occupants, and greener buildings.

“The CFdesign 2011 Winter Update further expands the set of simulation tools available to empower architects and mechanical engineers committed to designing safer, more energy efficient buildings. Architectural and MEP design engineers will find CFdesign to be the most comprehensive package available for simulating, investigating and optimizing the systems and sustainability strategies associated with ventilation, wind currents, data centers, thermal comfort and smoke removal,” says Parker Wright, CFdesign Industry Segment Manager, AEC.

CFdesign is released annually each fall followed by three scheduled quarterly updates, which is unique to the CAE industry. This consistent development process assures that CFdesign remains compatible and can take advantage of the latest release of each CAD/BIM tool, Microsoft Windows, and new hardware advancements.

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e-SPECS® Version 6.0 Includes Revit Keynote Management, Project File Management and Enhanced BIM Integration

5 January 2011

[InterSpec Inc.](#) announced a major upgrade to its e-SPECS specification management systems. e-SPECS v6.0 includes a substantial redesign of its integrated keynoting system, fully integrated project file management and enhanced integration with all Autodesk Revit products.

New e-SPECS functionality, enhancements and updates continue to be developed ensuring the highest return on investment possible to our customers. e-SPECS v6.0 includes new Keynoting Management at the master and project levels with intelligent assignment of coordinated keynotes to Revit families and materials directly through the e-SPECS Revit Plug-In Console. For specifiers not fluent in using Revit, the e-SPECS Revit Plug-In Console provides access, verification, and model update capabilities pertinent to the product specification criteria.

e-SPECS v6.0 also includes enhanced BIM integration enabling last minute changes to the BIM model to be synchronized with the project manual. New reconciliation reports indicate the BIM model updates and revised sections providing more consistent construction document management with fewer addendums, RFIs and change orders.

Imported (e.g. consultant sections) and e-SPECS Checklist inserted sections can now be associated with Revit assemblies for easy access to view and mark-up those sections directly in Revit.

e-SPECS v6.0 also includes the ability to manage and associate project files (pdf, xls, doc, html, etc.) through the e-SPECS integration providing easy access to more project data directly within Revit. The coordination and collaboration is valuable not only through easy access to the specifications, but also in the design options, as-builts, estimating, construction modeling, and facility management.

All e-SPECS customers under software maintenance agreements will automatically receive the new v6.0 this month.

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MecSoft Products Support SolidWorks 2011

4 January 2011

[MecSoft Europe](#) GmbH, distributor of CAD/CAM software in Europe, announced support for SolidWorks 2011.

With the recently announced 1.1.0.9 service release for VisualMILL-for-SolidWorks, users can now run inside both the 32 and 64 bit versions of SolidWorks 2011. This service release is available to current VisualMILL-for-SolidWorks users through MecSoft's VisualServe software licensing portal.

"As a Gold Certified CAM Product vendor, we are committed to supporting the most recent version of SolidWorks," stated Ulrich Oehler, CEO of MecSoft Europe. "With this service release, VisualMILL-for-SolidWorks is fully certified to run inside SolidWorks versions 2008 thru 2011."

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Mentor Graphics Selects 6WINDGate Packet Processing Software for Optimized Multicore Development

5 January 2011

Mentor Graphics Corporation announced it has selected 6WIND, the leading commercial supplier of packet processing software for networking and telecommunications products, to integrate its 6WINDGate™ software with the [Mentor® Embedded Linux®](#) platform. The integration provides embedded developers, using Freescale and NetLogic processors, the means to maximize packet processing performance and scalability across multiple cores without the need to rewrite or re-verify their application software.

"Multicore processors are the only viable technology that meets the performance requirements of next-generation telecom, networking and security equipment," said Linley Gwennap, principal analyst with The Linley Group. "OEMs need complete, pre-integrated software packages that accelerate their time-to-market while ensuring the maximum reuse of existing application software."

"Our partnership with 6WIND is an example of Mentor's commitment to deliver a pre-integrated ecosystem of best-in-class development components for multicore platforms," said Glenn Perry, general manager, Mentor Graphics Embedded Software Division. "6WIND is the market leader in commercial packet processing software. Their optimized support for key processor partners like Freescale and NetLogic complements our strategy, enabling us to provide our customers with a comprehensive ecosystem that helps them develop innovative and power-efficient products with greater efficiency and lower costs."

"We are delighted to partner with Mentor to provide high-performance packet processing solutions for multicore Linux-based systems," said Eric Carmès, CEO of 6WIND. "The combination of Mentor's comprehensive Linux platform and 6WIND's award-winning packet processing software will enable our mutual customers to minimize the development time for high-performance systems that fully leverage the capabilities of advanced multicore processors."

The 6WINDGate software enables multicore system designers to create high-speed packet processing solutions that deliver a 7-10x performance improvement. This enables OEMs to develop products that achieve optimum cost-performance, integration and energy efficiency. Since the 6WINDGate product is fully compatible with standard Linux APIs, developers can migrate standard Linux applications to new

platforms without redesigning or rewriting existing software, easing the transition from single to multicore platforms.

The Mentor Embedded Linux platform is the only integrated solution offering runtime, developer tools (CodeSourcery G++™, EDGE™ Developer Suite, and Mentor Embedded JTAG probes) and the 6WINDGate high-performance multicore packet processing technology. By eliminating the complex integration of multiple components, the integrated platform delivers improved performance, cost-efficiencies, and reduced time-to-market.

The Mentor Graphics Embedded Software Division comprises the Mentor Embedded family of products and services, including embedded software intellectual property (IP), tools, and consulting services to help embedded developers and silicon partners optimize their products for design and cost efficiency. More information on Mentor Embedded products and services can be found at the website: www.mentor.com/embedded.

For more information about 6WIND, please visit <http://www.6wind.com>.

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MWH Soft Surge Product Line Revs Up Modeling Performance; Breaks Size Barrier for Analyzing All-Pipe Water Networks

4 January 2011

MWH Soft announced the worldwide release of the unlimited link version of its surge product line. The release brings a new level of software and computational power to the simulation of all-pipe water distribution network models. Available for InfoSurge, H2OSURGE, H2OMAP Surge, and InfoWorks TS, the release is ideal for comprehensive water quality applications that require simulation of very large network models under a wide range of hydraulic transient conditions, from routine operation to emergency states. It has power to help users establish proper system-wide coverage, assesses their susceptibility to low or negative pressures, estimate potential intrusion volumes and risk to public health, control pressure surges, and minimize the impact of pressure transients should they occur. The enhanced suite reflects MWH Soft's vanguard position in the water industry and its continuing commitment to delivering pioneering technology for enhancing the safety and reliability of the world's water supply.

Anticipating and controlling transient response is critical to ensuring the protection, integrity, and effective/efficient operation of water distribution systems. Transient responses can introduce pressures of sufficient magnitude (upsurge) to burst pipes and damage equipment. The resulting repercussions can include extended service outages and loss of property and life. Transient responses can also produce sub-atmospheric pressures (downsurge) that can force contaminated groundwater into the distribution system at a leaky joint, crack or break, leading to grave health consequences when carried out downstream the pipe system. Sustained sub-atmospheric pressures may also lead to cavitation and water column separation, resulting in severe "water hammer" effects as the vapor cavity collapses.

The MWH Soft transient flow simulation technology suite addresses every facet of pressure surge analysis and its role in utility infrastructure management and protection, delivering the highest rate of return in the industry. It provides the engineer-friendly simulation framework water utilities need to identify characteristics that can make their water supply and distribution systems more susceptible to transient pressure events. Users can quickly and efficiently assess the effects of power outages and pump shutdowns, pump startups, valve closures, rapid demand and pump speed changes, and the efficacy of any combination of surge protection devices. The product suite also accurately simulates cavitation and

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water column separation and evaluates their intensity. Its blazing simulation speed makes transient analysis an easier and more enjoyable task.

Armed with these mission-critical network modeling capabilities, water utilities can more accurately assess their susceptibility to low or negative pressures caused by transient surges, identify vulnerable areas and risks, evaluate and design sound control and mitigation measures, and determine improved operational plans and security upgrades.

“The ability to confidently assess the vulnerability of distribution systems to pressure transients is becoming more critical every day,” said Paul F. Boulos, Ph.D, Hon.D.WRE, F.ASCE, President and Chief Operating Officer of MWH Soft. “Based on close interactions with our customers, we have enhanced our surge product suite to address their most pressing needs for fast and powerful unsteady network simulation capabilities that make it even easier, faster and more cost-effective to apply advanced network simulation technology to manage and operate better, safer water supply and distribution systems.”

Pricing and Availability

The unlimited link version of InfoSurge, H2OSURGE, H2OMAP Surge, and InfoWorks TS, is now available worldwide by subscription. For the latest information on the MWH Soft Subscription Program, including availability and purchase requirements, visit www.mwhsoft.com or contact your local MWH Soft Channel Partner.

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News for ZWCAD Veterans: 50% Discount off Upgrade Fee

30 December 2010

Great news for any ZWCAD user who bought his or her copy of ZWCAD before October 14, 2010. Starting from January 1, 2011 and going on until the end of February, those users will be able to enjoy 50% off of one upgrade fee to ZWCAD 2011. This offer applies to ZWCAD 2010 and any previous version of the software.

In order to apply for the promotional offer, end users need to contact their local ZWCAD reseller and provide them with their license code and contact information. For help locating a local reseller, end user may contact ZWSOFT at sales@zwcad.com. This is a limited time offer, so please hurry and contact them today.

ZWCAD 2011 is the latest in the lineup of ZWSOFT products. End users are highly encouraged to make the upgrade to ZWCAD2011 as it provides the familiarity that users are accustomed to, as well as powerful parametric drawing function, a multitude of new drawing tools (Table, Field, MLeader, PDF Plotter and Solprof), and enhanced tools (Snap, Refedit, Raster Image, Dimension Break and Online Help). These new features combined with the old, provide a more dynamic user experience that CAD users can really appreciate.

New to ZWCAD 2011? Please go to http://www.zwcad.org/products_form_list.php?id=117 to download your own copy (free 30-day trial). If you are a ZWCAD newbie or not entitled to this promotion, more special offers will be available at ZWSOFT Solution World 2011. To help save on your CAD/CAM budget, ZWSOFT and its 170 worldwide partners have created ZWSOFT Solution World 2011. Users may visit <http://www.zwcad.org/solutionworld.php> to take advantage of special offers occurring in their region. The website gets updated as soon as new promotions are released, so please check back often to

find the latest deals of ZWCAD and ZW3D happening today.

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NIAEP Partners With Intergraph® to Develop a Solution for Nuclear Power Facilities Design and Construction

5 January 2011

Nizhny Novgorod Engineering Company « Atomenergoproekt » (NIAEP), a leading Russian nuclear power plant engineering, design and construction company, and Intergraph® will jointly develop a specialized solution for nuclear power facilities design and construction management.

NIAEP currently uses Intergraph's SmartPlant® Enterprise solution to design the nuclear power units of Rostov NPP and plans to use SmartPlant Construction and SmartPlant Review to build new units. As an Intergraph Premier Partner, NIAEP will use the existing technologies SmartPlant 3D, SmartPlant Foundation, SmartPlant Materials, SmartPlant Construction and SmartPlant Review to design, build and manage complex project scheduling capabilities and to create a new technology, which fulfills the unique demands of nuclear power facilities.

The new technology for nuclear power will provide a full spectrum of 3D engineering and design capabilities combined with opportunities for construction management (including work duration), work force and logistics during the construction phase of the nuclear power facilities (Engineering Design (3D) + Materials (4D) + Schedule (5D) and Resources (6D) in a single project management model). This will allow [NIAEP](#) to reduce the construction intervals, while increasing the company's productivity, quality and safety. Additionally, this new technology will allow Intergraph customers to improve project execution quality, optimize project execution terms and perform construction management more flexibly.

"Intergraph is the recognized leader in development of engineering software for designing of nuclear power industry enterprises," said Alexander Kuznetsov, Deputy Chief Engineer, NIAEP. "We hope to intensify the productivity growth we've already obtained using SmartPlant Enterprise solutions. Now, as a Premier Partner, we can accomplish even more complex tasks to design and build nuclear power facilities more efficiently."

Gerhard Sallinger, Intergraph Process, Power & Marine president, said, "Our strategic partnership with NIAEP will benefit both NIAEP, Intergraph and the industry in general, by reducing the time and cost of designing and building nuclear power plants. It will also increase Intergraph's contribution to the growth of nuclear power industry of our customers in Russia."

SmartPlant Enterprise is an integrated set of solutions that provides design, construction, logistics data management capabilities needed for the creation, safe operation, technical support and Capital Project Life Cycle Management (cPLM) of large-scale power generating facilities, ships and offshore projects, and other infrastructure facilities. Intergraph software comprise intelligent means of engineering and data storage based on design rules and enabling the users to design and manage data efficiently, improve the facility safety even at the early design stages and construct and manage efficiently the design data throughout the life cycle of an enterprise.

SmartPlant 3D offers numerous unique capabilities, including automated, rule-based design. Customers using SmartPlant 3D typically report 20- to 35 percent increases in productivity. The SmartPlant Construction solution was created to more efficiently manage power generation facilities, ship and

offshore and other infrastructure facilities construction and is aimed at productivity growth, accelerated terms of project completion and reduced costs and risks. SmartPlant Review is a solution for industrial facilities that enables them to visualize 3D data of any complexity level.

About Atomenergoproekt, Nizhny Novgorod Engineering Company (JSC NIAEP),

It is an engineering company, general designer of nuclear power plants. It carries out a full package of design and construction of nuclear, heat and hydro power plants, as well as the design of utility communications-, of heat and gas supply- and of heat distribution networks. It conducts engineering surveys, hydro-meteorological, environmental researches and develops technical documentation for the construction of residential complexes. The company implements a quality management system compliant with the requirements of ISO 9001 quality management system standard.

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PartMaker Version 2011 Now Available

24 December 2010

PartMaker Inc., a division of Delcam Plc, has released PartMaker Version 2011, the latest version of PartMaker Software for programming CNC Mills, Lathes, WireEDM, Turn-Mill Centers and Swiss-type. Major highlights of PartMaker Version 2011, include more powerful milling functionality, an optional module for 3D design and model repair, a more flexible tooling library, improved programming and simulation of Bar-Fed Mills, more vivid set-up documentation and a host of additional productivity enhancements.

"PartMaker Version 2011 further demonstrates the accelerated pace of development PartMaker has undergone since its acquisition by Delcam four years ago," says PartMaker Inc. division President Hanan Fishman. "Since joining Delcam, the functionality, capability and power of the PartMaker CAM software suite has grown massively by taking advantage of Delcam's extensive development resources. Delcam's worldwide team of over 225 developers is the CAM software industry's largest development team. Multi-axis milling functionality that has taken Delcam many, many man years to develop is being added to PartMaker at a rapid pace and reduced cost, which provides a major benefit to the product's end users."

"PartMaker Version 2011 also has an optional module for 3D design, providing PartMaker users best in breed software for both CNC programming and addressing 'design for manufacturability' issues" says Fishman.

3D Model Design and Repair for PartMaker

PartMaker Version 2011 features the PowerSHAPE Companion for PartMaker, an optional module to allow the user to design 3D models, repair poor quality 3D data and modify 3D geometry to improve "Design for Manufacturability" (DFM). This new optional module features the "Solid Doctor" utility, allowing one to read and repair models from all sources and tackle the common problems that can be found when translating low-precision and incomplete 3D data by detecting and repairing faults in engineering models and generating a valid, high-precision solid model ready for programming in PartMaker.

Improved Tool Management

PartMaker Version 2011 lets the user manage his/her tool inventory in a new, more universal manner

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through the use of "Master Tools Databases." Master Tools Databases can be edited, manipulated and stored through external database programs like Microsoft Excel and individual tools can be quickly imported for specific jobs. This new approach makes programming more productive because it allows the user to choose tools created previously faster than before. It also allows one to reduce the size of a given tool library for a particular programming job. Tools can be interchanged between PartMaker's Tool Files and the Master Tools Database. This new feature will also allow company individuals without access to or familiarity with PartMaker to manage the tool inventory available to their CNC programmers.

Unique Support for Bar-Fed Mills

Bar-Fed Mills are a new breed of machine tool technology that is growing more popular for the production of small, complex parts for such applications as medical device, aerospace, fluid power and any other industry that requires complex small parts. In many ways, these machines represent the future of complex, low volume, small parts manufacturing. With Version 2011, PartMaker aims to establish itself as the market leading system for automating the programming of Bar-Fed Mills by introducing a number of new features for handling the unique programming issues presented by these machines. PartMaker Version 2011 simulates the unique architectures and machine kinematics of Bar-Fed mills in its 3D simulation module and supports the Bar-Fed mill offerings with robust post processors and vivid simulation of such machines from leading builders like Willemin-Macodel, Bumotec, Chiron, Mazak, Star and others.

New Mid-Process Cutting Documentation

PartMaker Version 2011 features a host of improvements to the PartMaker Documentation Wizard (PDW) module including a number of new standard set-up sheet templates as well as the ability to automatically create "mid process" set-up sheets. "Mid process" set-up sheets display a picture of the part being machined at each step in the machining process as well as a graphical view of the tool used in that process. Such set-up sheets can be a great way to communicate to shop floor personnel exactly how a part should be processed and can thus speed-up setup time and reduce the possibility of errors.

Improvements to Surface Machining Strategies

PartMaker Version 2011 includes a number of enhancements to the software's sophisticated surface machining strategies. These improvements include the addition of a more powerful Surface Swarfing strategy which makes programming swarfing easier and more accurate. The new version also includes the addition of 4-axis Swarfing, which allows you to perform more sophisticated milling on machines only capable of 4-axis cutting, which includes most Swiss-type lathes on the market today.

Faster, More Comprehensive Simulation and Verification

3D Simulation in PartMaker Version 2011 is much faster than previous versions, more than 50% faster in many cases. This increase in speed is particularly helpful for the cutting simulation of complex parts with a number of features. The new version also lets you see and verify all your tool paths at once when programming on a solid model. By simply clicking on a hole or profile on a solid model, PartMaker will place you into the profile or hole group where that feature has been defined.

Additional Productivity Enhancements

In addition to the improvements mentioned above, PartMaker Version 2011 includes a host of other productivity enhancements including increased input precision, user defined fonts for engraving, more powerful and flexible turning and 2D milling tool paths, improved geometry import functions including

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support of SolidWorks 2011, DWG import and a free STEP translator, simulation of pinch milling, many enhancements to make the PowerMILL Interface faster and more efficient, new and improved context sensitive help and much, much more

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Synopsys' New DesignWare Sonic Focus IP Solutions Deliver Exceptional Sound Through Standard Speakers

6 January 2011

Synopsys, Inc. announced the availability of two new **DesignWare™ Sonic Focus™ IP** products that enable system-on-chip (SoC) designers and original equipment manufacturers (OEMs) to significantly enhance audio quality and deliver an immersive audio experience for a broad range of low power, DSP-based consumer electronics devices. The DesignWare Sonic Focus Stereo and Stereo HD (High-Definition) IP are audio post-processing solutions that help restore clarity, warmth, detail and realism to compressed digital audio content in consumer electronics devices. The Sonic Focus Stereo IP, targeted at low-power, portable devices such as handheld game consoles, mobile phones, docking stations and Bluetooth headsets, enables high-quality sound to be delivered through the smallest of speakers. The Sonic Focus Stereo HD IP delivers high-performance virtual surround sound for tethered stereo devices such as digital TVs, advanced stereo speakers, speaker sound bars and digital signal processing (DSP) enabled headphones.

As multimedia consumer electronics products get smaller and thinner, audio suffers tremendously due to the limited size of the speakers and audio cabinets. The DesignWare Sonic Focus Stereo and Stereo HD IP solutions help restore audio fidelity that is obscured by compression. They also overcome audio limitations due to creative industrial designs and recreate the original user experience from digital content. In addition, the Synopsys solutions include a robust set of components that enable designers to meet the performance, power and memory requirements of their stereo-enabled applications.

- The DesignWare Sonic Focus Audio Software IP uses advanced, multi-channel internal processing algorithms, enabling devices to accept and process multi-channel stereo audio content (including 5.1 and 7.1 audio channel input modes) and reproduce a rich audio experience
- The DesignWare Sonic Focus Surround IP expands the sound field of the device's audio output, helping to create the desired immersive impact and effect from high-performance stereo products
- The DesignWare Sonic Focus Product Mastering tools, which work directly with the embedded Sonic Focus audio algorithms, providing designers with real-time feedback and control of the audio software to create a high-quality audio experience

"DesignWare Sonic Focus Stereo post-processing IP has been successfully implemented by leading PC manufacturers to deliver a rich, compelling audio listening experience for end users," said John Koeter, vice president of marketing for the Solutions Group at Synopsys. "The Sonic Focus Stereo IP solutions extend this benefit into low-power DSP and cost-effective embedded stereo audio applications, delivering enhanced performance in ultra-thin speaker-based designs. In addition, by using the new Synopsys Sonic Focus logo on their products, OEMs and ODMs can further differentiate their leading consumer multimedia products that take advantage of this unique audio technology."

Availability

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The DesignWare Sonic Focus Stereo IP solutions are available now. For additional information, please visit <http://www.synopsys.com/sonicfocus>. To see the DesignWare Sonic Focus Stereo and Stereo HD IP demonstrations at CES 2011 visit Synopsys in the Venetian Suite exhibits, room 30-334.

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Tech Soft 3D and ShapeSpace Announce ShapeSpace Enterprise Solution Built with HOOPS 3D Exchange

6 January 2011

Tech Soft 3D ([TS3D](#)) and [ShapeSpace Ltd](#) will feature the advanced data access capabilities of HOOPS® 3D Exchange (HOOPS 3DX) in 2011.

Now integrated with most PLM applications, ShapeSpace Enterprise Solution's 3D Shape Search function locates criteria within complex CAD libraries, be it parts, size, text attributes or shape. HOOPS 3DX supplies ShapeSpace with the geometric attributes of the queried data, even across multiple file formats, for accurate search results that encompass the entire database.

"Engineers rely on ShapeSpace to browse CAD parts in CATIA, NX, SolidWorks, Solid Edge, Inventor or JT," says Andy Sherlock, ShapeSpace CEO. "HOOPS 3D Exchange captures the original structural intent of all of these file formats to ensure our CAD queries are thorough and precise."

"ShapeSpace Enterprise Solutions is impactful because of its comprehensive search functionality," says Tech Soft 3D CEO, Ron Fritz. "We're pleased that HOOPS 3DX is entrusted as the underlying data access technology in a product that maximizes efficiency, reduces cost throughout so much of the PLM market, and increases the communication value of 3D data."

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