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Company News

Arena Ranked Top 5 & Most Affordable Supply Chain Collaboration Solution

25 September 2013

Arena has been ranked as a "[Top 5 Supply Chain Collaboration Solution Provider](#)" by Business-Software.com. Arena was recognized as the most affordable in that category.

"Arena is pleased to be acknowledged as one of the top 5 Supply Chain Collaboration Solution providers," says Craig Livingston, Arena's CEO. "Arena understands that a key part of the new product introduction process requires collaboration and synchronization of efforts among OEMs and their global supply chain teams. It's gratifying to learn that this award recognizes the growth in our Supply Chain Exchange family of products which complement our industry-leading cloud-based PLM solutions."

Arena's wide-ranging marquis customers, which include GoPro, Beats by Dre, Fitbit, Lytro, SiriusXM, and SunLink, depend on Arena's patented cloud-based PLM solution to streamline the manufacturing process to efficiently design innovative products and ship them to market quickly. Arena's Fall 2013 product release builds on Arena's reputation as a top supply chain collaboration solution with the release of Arena Exchange; this innovative supply chain collaboration solution provides OEMs with a flexible environment to collaborate with multiple users at each supplier level throughout their global supply chain.

"Arena is focused on the supply chain collaboration challenges facing OEMS, such as how to securely share manufacturing build packages across the supply chain," says Steve Chalgren, Arena's Vice President of Product Management and Strategy. "Arena Exchange enables OEMs to share critical manufacturing documentation with their entire multi-tiered supply chain securely and quickly through simple invites to collaborate."

Arena's solutions have helped manufacturers of all sizes realize the benefit of manufacturing in the

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cloud by providing customers up to 70% reduction in ECO cycle times and a 20% reduction in time to market. Arena helped Sierra Wireless streamline its supply chain processes so dramatically, they were able to release 173 new products in the first year.

Chalgren describes the Fall 2013 release as another step intended to expand Arena PLM's commitment to enabling OEMs to collaborate more efficiently. "Recognition as a Top 5 Supply Chain Collaboration solution validates our mission to enable OEMs and their global supply chain teams to operate efficiently and communicate better," says Chalgren. "Facilitating collaboration among supply chain teams is key to successful new product introductions."

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Autodesk Announces Appointment of Betsy Rafael to Board of Directors

23 September 2013

[Autodesk, Inc.](#), announced the appointment of Betsy Rafael to its Board of Directors, effective September 19, 2013. Ms. Rafael has over 30 years of executive financial experience, most recently as Vice President, Corporate Controller and Principal Accounting Executive for Apple, Inc.

"Betsy Rafael's extensive background in corporate finance and experience in the technology industry is an excellent addition to the Autodesk Board that will serve the best interests of the company and our shareholders," said Carl Bass, Autodesk president and chief executive officer. "We welcome Betsy to the Autodesk Community."

Ms. Rafael retired from Apple in 2012, where she had served as Vice President and Corporate Controller since 2007 and Principal Accounting Executive since 2008. Previously, Ms. Rafael held the positions of Vice President, Corporate Controller, Principal Accounting Officer and Vice President, Corporate Finance at Cisco Systems between 2002 and 2007. Prior to this, Ms. Rafael held management and other senior financial positions with Aspect Communications, Inc., Silicon Graphics (SGI), Sun Microsystems and Apple Computer. She began her career with Arthur Young & Company. Ms. Rafael serves on the board of directors of Echelon, and previously served on the board of PalmSource. Ms. Rafael graduated magna cum laude with a B.S.C degree in Accounting from Santa Clara University, where she also serves on the Board of Trustees.

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Autodesk Launches Technology Impact Software Donation Program for Nonprofit Organizations

24 September 2013

During the Clinton Global Initiative (CGI) Annual Meeting this week, Autodesk will launch its [Technology Impact](#) program, providing software donations to select nonprofits that are directly employing design to create a better world. The company has committed to donate \$7.5 million in software in the first year of the program's operation.

“The Technology Impact program will ensure that nonprofits have access to the best design software needed to accomplish their important work,” said John Cary, executive director of the Autodesk Foundation. “Our goal is to equip at least 500 nonprofit organizations with our software in the first year of operation. The work by these organizations represents the full spectrum of design with social impact—some are building hospitals, housing, and schools around the world, while others are producing low-cost, life-saving healthcare devices.”

Autodesk has long worked to share its software with entities imagining, designing, and creating a better world—ranging from nonprofits and schools to thousands of clean tech companies around the world. Through this new program, Autodesk will offer qualifying nonprofits two licenses of its professional design software suites: Autodesk Product Design Suite Premium, Autodesk Building Design Suite Premium, Autodesk Infrastructure Design Suite Premium, and Autodesk Entertainment Creation Suite Ultimate. Nonprofits can apply online at www.autodesk.com/technologyimpact

Boston-headquartered MASS Design Group, best known for its award-winning Butaro Hospital in rural Rwanda, is one of the first beneficiaries of the design tools available through the program. Alan Ricks, co-founder and chief operating officer of the organization explains, “With access to advanced 3D design tools from Autodesk, we've been able to communicate with local builders and craftspeople, as well as community members, about the building process and our designs. It helps ensure that a structure is ‘of the place’ where it is built. We don't think any place is resource-poor, we just have to uncover the resources that can create the most positive impact.”

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CTC Earns Autodesk Process Plant Specialization

24 September 2013

CAD Technology Center (CTC), an Autodesk Gold Partner, announced that it has earned the new Process Plant Specialization designation for value added resellers from [Autodesk, Inc.](#) As an Autodesk Specialized Partner, CTC has shown that they have made significant investment in their people, they have a business plan specific to their specialization area, they have customer references, and that they can offer a high level of technical background and support to customers in the Process Plant industry.

The new Autodesk Partner Specializations enable value added resellers to highlight and brand their expertise in delivering services in key industry areas. By completing the required curriculum and

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training, as well as meeting required levels of service and standards set by Autodesk, CTC demonstrates it can be a trusted adviser to Autodesk customers throughout the world.

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Hawk Ridge Systems Expands DS SolidWorks Partnership in Canada and Showcases SolidWorks 2014

25 September 2013

Hawk Ridge Systems (www.hawkridgesys.ca) has extended its geographic coverage in Canada to include the provinces of Manitoba and Saskatchewan. Long known as a leader in Western Canada in British Columbia and Alberta, and successfully serving the SolidWorks community in Ontario since 2012, Hawk Ridge Systems provides sales, training and technical support for [SolidWorks 3D design software](#), [CAMWorks manufacturing software](#) and [3D printers from 3D Systems](#). Hawk Ridge Systems recently expanded its solutions portfolio to include SolidWorks Electrical, SIMULIA Abaqus and the newly announced NVIDIA GRID VCA which offers a virtual computing platform for SolidWorks 2014.

Last April, the former SolidWorks Canadian reseller, Automated Design Systems (ADS) sold a large percentage of its SolidWorks customer base to Hawk Ridge Systems. Since then, Hawk Ridge Systems has been providing sales, training and technical support to SolidWorks users across Canada. “We are pleased to have the SolidWorks users from ADS join the team at Hawk Ridge Systems,” says Dale Ford, P. Eng, President and CEO. “Our local teams of [certified SolidWorks professionals](#) have been serving our clients in Canada since 2006 to provide a world class customer experience. As we have learned over the years, from speaking at the SolidWorks User Groups, the Canadian users are very forward thinking and value integrity, innovation and local relationships. That is why we are so elated to continue to build trusted relationships with our SolidWorks Community.”

Next month in October, the [SolidWorks 2014 Launch events](#) will be held in Toronto, Winnipeg, Saskatoon, Vancouver, Edmonton and Calgary. Hosted by the Canadian team of engineers and product managers, the SolidWorks 2014 Launch will provide an opportunity to see SolidWorks 2014 live, learn about analysis and product data management tools, win prizes and enter to win a NHL jersey. This is a must for SolidWorks users and hockey fans alike. The SolidWorks 2014 Launch schedule is available on the Hawk Ridge Systems website.

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North America’s most Successful Solar Car Team Turns to Siemens to Pursue World Title

23 September 2013

The University of Michigan Solar Car Team, already the most successful team in North America, is relying on product lifecycle management (PLM) software technology from Siemens to help in its quest

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to claim the world title this October at the World Solar Challenge in Australia. After winning the American Solar Challenge seven times, and placing third in the World Solar Challenge four times, this entirely student-run organization decided it needed more advanced product development software technology to compete at an even higher level. As a result, 100 percent of the mechanical components and aerodynamic body (aerobody) of Generation – the team’s 2013 entry for the World Challenge – have been designed using Siemens NX™ software.

“Our teams have a rich tradition of excellence and a great track record of success,” said Pavan Naik, Senior Business Development Manager, University of Michigan Solar Car Team. “But as we began to prepare to compete with the best teams in the world in 2013, we knew we needed more comprehensive PLM software technology. The breadth of functionality for design, simulation and aerodynamic surface modeling in NX are far beyond anything we have used in the past. Siemens’ PLM software helped us with the rapid decision making needed in solar car development and should help maximize our chance to cross the finish line first in Australia. We are proud to leverage the same product development technology used by so many leading automotive companies.”

Siemens PLM Software technology is now used throughout product development and manufacturing by more than 90 percent of the world’s top 15 automotive OEMs and nearly 90 percent of the top 25 Tier One auto suppliers. The company provided an in-kind software grant for – and is also proud to be a new platinum sponsor of – the University of Michigan Solar Car Team. Since its establishment in 1990, the team has built 12 vehicles including Generation, which is being prepared for the 1,800 mile World Solar Challenge race across the Outback on Oct. 6-13. The team, which consists of almost 100 members, spent nearly two years and more than one million dollars to complete the development of Generation.

“As a strong supporter of science, technology, engineering and math (STEM) education, Siemens is proud to be associated with the highly successful University of Michigan Solar Car Team,” said Dave Taylor, vice president of Global Marketing, Siemens PLM Software. “We are pleased that they have decided to adopt our advanced PLM technology to elevate their performance to the next level. Over the long run, we are confident it will help them continue to make smarter decisions that advance alternate energy technology and ultimately lead to better products. We wish the team the best of luck in Australia.”

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PTC Continues as Exclusive CAD and Collaboration Sponsor of 2013-2014 FIRST® Tech Challenge Competition

26 September 2013

Dedicated to promoting science, technology, engineering, and math (STEM) educational opportunities, [PTC](#) today announced its continued support of *FIRST*® (For Inspiration and Recognition of Science and Technology) and the *FIRST*® Tech Challenge (FTC®). As a continued Strategic Partner of *FIRST*, PTC will sponsor 60 FTC teams expected to participate in this year’s competition.

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As the exclusive CAD & Collaboration Sponsor of the *FIRST* Tech Challenge, PTC provides its PTC Creo® product design software, PTC Mathcad® engineering calculations software and PTC Windchill® collaboration software free to all participating FTC teams.

An estimated 30,000 students on 3,000 teams around the world will participate in the 2013-2014 FTC game, called “[FTC® BLOCK PARTY!SM](#)”. During the two-minute 30 second game, teams will be challenged to raise their team alliance flag up a flagpole, raise their robots off the ground using a platform pull-up bar, and end the match with a balanced pendulum to earn extra points. The object of the game is to score more points than an opponent by placing plastic blocks into pendulum goals. Throughout the FTC BLOCK PARTY! season, these young people will employ the same disciplines and complex problem-solving skills that will someday enable them to solve society’s greatest challenges.

“When students participate in the *FIRST* Tech Challenge, they are encouraged to think like engineers and scientists,” said Don Bossi, President of *FIRST*. “Our FTC students use PTC’s product design software to design their robots. This gives them an excellent opportunity to develop the problem-solving and engineering skills they will use in their careers.”

“The *FIRST* Tech Challenge is some of the hardest fun high school students will have as they learn how to work as a team to design, build and program robots to compete head to head against other teams using actual product design processes,” said John Stuart, senior vice president, global academic program. “PTC is a proud, strong supporter of *FIRST* because we consider *FIRST* to be one of the best investments we can make in educating those that are the future of our industry.”

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Tata Consulting Engineers Ltd. and Autodesk Announce Strategic Partnership to Bring Building Information Modeling (BIM) Solutions to the Building and Infrastructure Sectors

24 September 2013

[Autodesk, Inc.](#) and Tata Consulting Engineers Ltd. announced a strategic partnership to deliver industry solution experiences to customers in plant, infrastructure, construction and building sectors. Tata Consulting Engineers has a well established presence in key industry sectors such as Infrastructure, Construction, Power, Steel Metals & Mining, Chemical, and Nuclear & Advanced Technologies for the past 51 years.

Tata Consulting Engineers will leverage Autodesk’s Building Information Modeling (BIM) Solutions offered by the Autodesk [Building Design Suite](#), [Infrastructure Design Suite](#) and [Plant Design Suite](#) to bring business value to its global customers in Power, Infrastructure, Chemical, Process and Building sectors serving them in the key markets of Africa, Asia Pacific, Americas, Europe and India, through joint business development and engineering consultancy services. The adoption of BIM has seen significant increase worldwide in areas of building, infrastructure and construction management. According to 2012 McGraw Hill North America BIM SmartMarket Report, the percentage of companies using BIM jumped from 17% in 2007 to 71% in 2012 in North America. In the UK, BIM is a central

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theme in the government's construction strategy designed to reduce carbon and costs as part of the overall economic development. In Singapore, BIM is an important component of public housing projects.

Commenting on the announcement, Mr. J.P. Haran, Managing Director, Tata Consulting Engineers Ltd, said, "Tata Consulting Engineers is present in key industry sectors managing projects that are complex and large scale, especially in building, town planning and infrastructure. We are committed to providing responsible consulting solutions to our customers that are sustainable, smart and cost efficient. This partnership with Autodesk will help Tata Consulting Engineers add value by implementing BIM solutions in the building, infrastructure and plant solution space. Providing technology-enabled solutions also complements our larger strategic goals in spreading our business in the global markets."

Mr. Pradeep Nair, Managing Director, Autodesk India & SAARC, said, "Globally, one of the most significant technology trends today is the adoption of Building Information Modeling (BIM). BIM goes well beyond traditional CAD software that is popular in most developing countries. India's 12th five-year Plan envisages infrastructure investments of \$1 trillion. BIM will help us derive cost and time savings in such mega-projects, while ensuring sustainability. As the leading provider of BIM solutions we are delighted to partner with Tata Consulting Engineers to promote the adoption of BIM in India and other emerging markets."

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Twelve Universities Throughout China Receive In-Kind Software Grants from Siemens PLM Software

24 September 2013

Twelve universities throughout China are receiving in-kind software grants from Siemens PLM Software for its [NX™](#) software in an effort to advance the teaching of design and manufacturing management while cultivating high-quality talents in the region. The in-kind grants have a commercial value of more than \$700 million and include the Beijing Institute of Petrochemical Technology, Dongguan University of Technology, Lanzhou University of Technology, Lanzhou University, Nanchang University, Ningxia University, Shandong Jiaotong University, Shenyang City University, Tianjin University of Technology and Education, Yuncheng University, Southwest University and Qinghai University. Siemens' NX software is a computer-aided digital design, manufacturing and engineering (CAD/CAM/CAE) solution.

This news follows last year's Siemens PLM Software announcement about the signing of a long-term memorandum of understanding (MOU) with the Education Management Information Center of the People's Republic of China Ministry of Education (MOE). The MOU established cooperation between the two parties to support the National Computer-Aided Technology Certification Project (CAXc Project) aimed at cultivating innovative engineering technology talent and enhancing career competitive advantages for China's university and secondary vocational school students.

Siemens' GO PLM academic growth in China

The in-kind grant is part of the Siemens' Global Opportunities in PLM (GO PLM) academic program that aims to challenge and grow future business leaders in science, technology, engineering and math to groom and develop the next generation of excellent engineers. To date, the [GO PLM™](#) program has supported 25 universities and provided more than 10,250 students access to technical certification. The new grants will enable 5,000 students from the 12 universities to receive technical certification over the next three years.

“In just one year following the signing of the MOU, this announcement is proof positive of the significant progress made for China's student population,” said Bill Boswell, Senior Director of Partner Strategy of Siemens PLM Software. “Siemens PLM Software brings the world's leading technologies to students in China giving them a solid platform to become excellent engineers in the 21st century, and pioneer the development of digital and intelligent manufacturing throughout the country.”

Jim Rusk, Siemens PLM Software's Senior Vice President and General Manager of Product Engineering Software, delivered a speech at a presentation ceremony, saying, “Siemens PLM Software is proud to support education in engineering technology as it enables us to provide the global manufacturing industry with a highly trained and heavily recruited workforce. China's CAXc project will provide the industry with innovative local talent experienced in NX software.

Siemens support for China's 'Excellent Engineer' initiative

To further support China's “Excellent Engineer” efforts and amplify the initiative, Siemens PLM Software's GO PLM project will continue to accept applications from various universities across the country, including Shanghai Jiaotong University, Tongji University and Zhejiang University. Siemens PLM Software will also put greater emphasis on empowering institutions in Western China to help improve their digital design and manufacturing education, promote local talent and contribute to boosting local economic development.

“Siemens PLM Software is committed to empowering China's talent growth especially in digital design and manufacturing management by working closely with universities throughout China,” said Leo Liang, Managing Director of Siemens PLM Software for Greater China. “For the last 26 years, Siemens PLM Software has played a pivotal role in developing digital manufacturing in the country and this in-kind grant to 12 of China's most illustrious universities is a testament to our continued efforts and commitment to the country.”

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WhichPLM Annual Review Names Centric Software Overall PLM Market Leader for Fashion

26 September 2013

Centric Software, Inc., has emerged as the overall product lifecycle management (PLM) market leader

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for fashion in 2012–2013 in the WhichPLM Annual Review.

WhichPLM is an independent digital magazine dedicated to product development for the fashion industry. WhichPLM named Centric as the market leader based on a range of criteria, including sales numbers, diversity of customer base, investment, development, expansion and hiring. The WhichPLM Annual Review, first published in 2012, has been hailed as the most complete picture of the PLM industry for retail, footwear, and apparel.

The 2013 publication, due for release Sept. 30, builds upon the strong audience the magazine already enjoys online and in print, says Ben Hanson, WhichPLM's contributing editor. "As part of our ongoing effort to create the clearest possible channels of communication between the vendors and customers of PLM, WhichPLM conducts exhaustive research into all aspects of the PLM industry," he says. "This ongoing analysis and inspection allows WhichPLM to draw informed and intuitive conclusions that other organizations may lack the hands-on experience and expertise to replicate."

On the basis of the metrics that WhichPLM assessed throughout the year 2012–2013 (ended April 30), Centric Software emerged as the leading vendor of [PLM for fashion](#), selling to the most diverse range of customers, expanding into new territories and markets, hiring expert-level resources, and spearheading new developments, says Hanson. "WhichPLM is, to my understanding, the only organization to run an annual appraisal of PLM for the retail, fashion and footwear market," he adds.

Beyond the raw statistics that comprise the publication's analysis of the marketplace, the WhichPLM Annual Review 2013 includes qualitative and quantitative reporting on these topics:

- Customer surveys sent to hundreds of PLM users around the world.
- Continuous supplier evaluations completed on behalf of new PLM prospects of all sizes.
- Input from WhichPLM partners—PDP Limited and other implementation consultants—considered to be international experts and involved in recent and/or on-going PLM implementations.
- Continuous "blind reference" research, performed by WhichPLM, involving conversations with all PLM suppliers to gain a realistic and impartial view of their strategic directions, development plans, capabilities, and the effectiveness of their implementations and post-implementation support.
- A partner briefing on the role of mobile applications in product development and retail.
- Editorial content that examines the vital role technology for fashion plays today—and will continue to play in the future.

"Centric is proud of its recognition as the overall [PLM market leader for retail, footwear and apparel](#)," says Chris Groves, CEO and president of Centric. "We attribute our explosive growth to our innovative technology and unique approach that delivers the fastest time to benefit and lowest cost of ownership by leveraging our [Agile Deployment \(SM\)](#) methodology that flexibly adapts and drives our customers' business transformations," he says. "Centric has an unmatched track record of innovating together with

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our customers, some of the premiere footwear, apparel and retail companies in the world.”

Interested individuals can download a PDF sample of the [WhichPLM Annual Review 2013](#) on the company’s website (<http://www.whichplm.com>). A complete printed edition is also available from the same location at a cost of £80 Sterling, with an iOS App Store version to follow shortly.

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xPLM Solution Opens New Innovation & Service Center in Böblingen, Germany

24 September 2013

xPLM Solution, a provider of integrations for engineering tools, office applications and enterprise systems, announces the expansion of its development team and the opening of a new Innovation & Service Center in Böblingen, Germany. A highly experienced development team long established in the CAD and PLM market will join xPLM Solution and start working at their new Innovation & Service Center in the Stuttgart area.

xPLM Solution’s continual market growth and this expansion of development resources in a new office location will allow them to significantly increase their software development capabilities and services for their customers. The new team in Böblingen will collaborate closely with developers based at the company’s headquarters in Dresden to develop innovative IT solutions in the fields of PLM and Systems Engineering. The new development team members come from a worldwide leading CAD/PLM provider and have recognized expertise in modern development methods. This will allow them to start work immediately on existing development projects without the need for a long ramp-up period.

“It is not easy to find good and experienced developers today in our market segment. That is why we are excited to have been successful in convincing this strong development team to join xPLM Solution. This is an important milestone for us, providing the increased development capacity to deliver leading solutions that will allow our customers to optimize their product development processes through the optimum use of CAD and PLM technologies”, says Charly Wachtel, Managing Director of xPLM Solution.

On behalf of the new development team, team leader Markus Kühl says: “We received several good offers. However, it wasn’t difficult for us to decide to join xPLM Solution. The tasks, long-term perspectives and good company culture of xPLM Solution were very convincing.” “We are pleased to be able to contribute our knowledge in the field of CAD/PLM and many years of experience on numerous development projects towards the further development of the company”, says software architect Claus Brod.

The new office in the Stuttgart area will open 1 October 2013. xPLM Solution will also establish additional sales, consultancy and service capacities at the new Innovation & Service Center to provide closer customer contact. The new office will be located in the Forum1 Technology Competence Centre,

Charles-Lindbergh-Straße 11, 71034 Böblingen, close to the Böblingen main train station.

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Events News

3D Systems Anchors TCT Show + Personalize with Metal 3D Printing

23 September 2013

[3D Systems](#) announced today that it will bring its consumer and professional 3D content-to-print experience to the [TCT Show + Personalize](#) in Birmingham, UK, from September 25-26, 2013, in Hall 3A, Booth D36.

For the first time at a live show, 3D Systems will demo its newly added direct metal 3D printers from its recent acquisition of Phenix Systems, along with its latest line up of [consumer](#) and [professional 3D printers](#), engineering and design software from [Geomagic](#), and on-demand parts service from [Quickparts](#). Attendees can browse the Cube Café, check out the award winning [Cube®](#) and [CubeX™](#) 3D printers, see the newest full color 3D printers in action, sample edible [3D printed sugar](#) and examine precision metal parts. Visitors will be exposed to popular consumer applications like printable fashion, jewelry and home design, as well as creative, gamified 3D apps like the brand new UK-exclusive [Manchester United 3DMe™](#) that lets fans become their own 3D printed player. App developers and arts and entertainment brands are invited to join the 3D printing revolution and learn how they can monetize their intellectual property and creativity on [Cubify](#), 3D Systems' hosting, publishing and production platform.

3D Systems is excited to partner with TCT and Black Country Atelier for the Bright Minds UK Programme and to introduce local teachers and students to the power of 3D printing in the classroom with the Cube. Dozens of Cube 3D printers will be set up in a workshop environment for 500 teachers and students to experiment with a redefined education experience that will spark the innovative and creative spirits of students at any level, all powered by 3D printing.

“The TCT Show has long been a gathering place for the leaders in 3D printing to showcase their cutting edge technology and we’re honored to not only showcase our latest consumer and manufacturing additions, like 3D printed edibles and metals, but to also expand our education initiatives through the live workshop experience,” said Cathy Lewis, Chief Marketing Officer of 3D Systems. “The UK has been at the forefront of consumer and educational adoption of 3D printing, which makes TCT a prime event to explore what’s next in 3D printing.”

Avi Reichental, 3D Systems' President and CEO, will deliver a keynote address, “Manufacturing the Future”, on Wednesday, September 25, 2013, at 10:10 am.

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Aras Sponsors AIAG Automotive Engineering and Technology Forum and Showcases TRUaras with Trubiquity

25 September 2013

Aras® today announced that it will sponsor the 2013 AIAG Automotive Engineering and Technology Forum on October 2, 2013 at the AIAG offices in Southfield, Michigan, USA. Information and registration at <http://aras.com/plm/002105>

The 2013 AIAG Automotive Engineering and Technology Forum agenda is designed to be highly interactive between attendees and global experts representing OEMs, suppliers, leading analysts and solution providers. Attendees can learn about the advanced capabilities in the Aras PLM platform including TRUaras, the recently launched cloud-based secure file exchange, with Trubiquity, a leading global provider of secure cloud-based Managed file transfer (MFT) services.

TRUaras enables global supply chains to securely share and exchange large CAD assemblies, technical data packages, manufacturing data, inspection and test results and other intellectual property with full tracking and traceability. Included in every Aras download, TRUaras is a free service for companies that run Aras and includes unlimited transactions with no file size limitation. Learn more about TRUaras at <http://aras.com/plm/002094>

The AIAG Engineering and Technology Forum addresses strategies, opportunities and solutions in emerging areas of automotive product development and manufacturing, and issues associated with improvements in collaboration and interoperability across the increasingly global and diverse automotive industry.

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Autodesk Extends Invitation to Join Webcast of Investor Day Event

25 September 2013

[Autodesk](#), Inc. today announced that it will broadcast a webcast in conjunction with its upcoming Investor Day event via its website on Wednesday, October 2, 2013 at 8:30 a.m. Pacific Time. [Carl Bass](#), Autodesk president and CEO, will join [Mark Hawkins](#), Autodesk executive vice president and CFO, and other senior executives to discuss with the investment community the demands and opportunities of the current market, business model transition, financial metrics, and the company's corporate strategy. Autodesk will host a live webcast at www.autodesk.com/investors. This webcast will be archived for approximately one year on their website.

For more information, please call Autodesk Investor Relations at 415-507-6705.

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AVEVA sponsors India Nuclear Energy Summit 2013

23 September 2013

AVEVA today announced that it is a principal sponsor and exhibitor at the upcoming India Nuclear Energy Summit 2013, taking place 3– 4 October at the Hilton Hotel, Mumbai International Airport. AVEVA will exhibit some of its key technologies for the design, operation and upgrade of nuclear power plants.

'Due to the limited provision of coal supplies for thermal power plants, nuclear power is the best available solution for power generation in India,' explained Evgeny Fedotov, Senior Vice President, Russia, India & Middle East, AVEVA. 'It brings both environmental and economic benefits. AVEVA has decades of experience in the power industry and we are already working with some of the biggest names in the nuclear world. Our software is enabling EPCs to design turnkey nuclear power facilities and helping Owner Operators to efficiently manage plant information to minimise outage and support regulatory compliance. This event gives us the opportunity to meet with key decision makers in the Indian nuclear power industry and to demonstrate our wealth of knowledge in this field.'

The showcase will feature:

- [AVEVA Everything3D™](#), AVEVA's next-generation plant design software that drives the adoption of Lean Construction. It enables EPCs working on nuclear power plant projects to break down barriers between design and construction, reducing overall project cost, duration and commercial risk.
- The integrated [AVEVA Enterprise Resource Management™](#) suite of applications that support project planning, materials management, fabrication and construction throughout the entire project process.
- The [AVEVA LFM™](#) suite of laser scanning technology, a powerful 3D laser scanning software package that is relevant throughout the laser data and asset lifecycle. LFM is hardware and software vendor-neutral, accepting data from all 3D laser scanners and exporting to integrated 3D plant design systems, CAD and Review platforms.
- [AVEVA NET™](#), a family of powerful and secure information management products that enable the collation, contextualisation, validation and visualisation of all project and asset data and documents, irrespective of location or source program.

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Delcam CRISPIN to show how to cut Footwear Time to Market at Marocuir

27 September 2013

CIMdata PLM Industry Summary

Footwear experts from Delcam CRISPIN will demonstrate how to use the company's CAD/CAM software to reduce the time and cost required to take concept designs to market at the Marocuir exhibition to be held in Casablanca from 4th to 6th October. Live demonstrations will show the benefits in time and money of using a single, integrated software solution for every stage of the footwear design and manufacturing process.

Footwear designers will see first-hand how ShoeMaker, the Delcam CRISPIN 3D footwear design solution, provides sophisticated tools that enable the creation of realistic 3D digital models. Delcam CRISPIN will demonstrate how these models enable footwear professionals to approve designs in less time and how they can reduce the need for expensive physical prototypes. Visitors will be able to see a range of shoes designed with the software including a sports trainer and a fashion shoe.

Pattern engineers who visit the stand will see Engineer Pro, the leading software for pattern engineering. Years of feedback and development makes Engineer Pro the most comprehensive and powerful, yet easy to use, pattern engineering solution available. One key benefit is the use of computer-based grading to gain better control over tooling costs and to get designs to manufacture faster.

For manufacturers of sole units, Delcam CRISPIN will demonstrate SoleEngineer, Delcam CRISPIN'S advanced 3D engineering package. Visitors will see how the software makes it easy to use a unique combination of wireframe, surface, solid and triangle modelling techniques to create complex sole units quickly and easily. They will also see how it can seamlessly integrate with Delcam CRISPIN ShoeMaker to provide a suite of advanced tools that give the designer unrivalled creative freedom.

Visitors to the stand will also see how ShoeCost can be used to create a detailed breakdown of the costs of parts and components. This information makes it easier to meet cost targets so giving footwear businesses of all sizes better control over their profitability. ShoeCost also ensures the most efficient nesting strategy is selected at all times to help to achieve the most effective use of materials.

All of these processes can be linked together seamlessly with ShoeCloud, Delcam CRISPIN's data management system designed exclusively for the footwear industry. All files are stored securely in the cloud to ensure that all staff involved in the project can access everything they need from a central location, wherever they are in the world.

Delcam CRISPIN is the world's leading supplier of CAD/CAM software to the footwear industry. It is only organisation able to provide a complete 3D solution for all stages of footwear production, including design, manufacturing, costing and the presentation of new designs to buyers. The software enables designers and manufacturers to lower cost, minimise time to market, and increase productivity and quality.

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Delcam's latest CAD/CAM Developments on Show in Poland

26 September 2013

Delcam's Polish subsidiary, Delcam Polska, will demonstrate the latest developments in the company's complete range of CAD/CAM software at the Toolex exhibition to be held in Silesia on from 1st to 3rd October.

The exhibition comes at a time of rapid growth for the subsidiary. It opened a third office in Bydgoszcz earlier this year, and has recruited additional sales and support staff for the head office in Warsaw and for the office in Katowice.

The main focus on the stand will be on the new Vortex strategy for high-speed area clearance in the 2014 release of Delcam's PowerMILL CAM system (www.powermill.com). Vortex, for which Delcam has a patent pending, has been developed by the company specifically to gain the maximum benefit from solid carbide tooling, in particular those designs that can give deeper cuts by using the full flute length as the cutting surface. It can be used for two- and three-axis roughing, three-plus-two-axis area clearance and for rest machining based on stock models or reference toolpaths.

The benefits of using the Vortex strategy will vary depending on a number of factors, including the material and shape being cut, and the machine tool and cutting tools being used. A series of trials run by Delcam on different machine tools within its Advanced Manufacturing Facility has shown that a time saving of at least 40% is not untypical, with the biggest percentage savings being found when cutting tool steel on a Huron machine with SGS Z-Carb MD cutters. The cycle time for the sample part was reduced from 121 minutes to 34 minutes, a reduction of 71%.

New functionality for the conversion of product designs into tooling designs will be shown in the 2014 release of Delcam's PowerSHAPE CAD software (www.powershape.com). The software now provides an even more powerful set of easy-to-use tools to increase productivity through increased automation and improved workflow.

By offering a combination of modelling and reverse engineering functionality, PowerSHAPE provides the most comprehensive range of design techniques available in a single CAD program. Having all the different technologies in the same package reduces the need to transfer data between multiple programs and so streamlines the whole product development process. At the same time, the combination of quick and easy direct modelling options, together with powerful and flexible surface modelling, makes PowerSHAPE the perfect choice for design for manufacture.

Another program that has seen significant development is the Delcam Electrode integrated solution for the design, machining and inspection of electrodes (www.delcam-electrode.com). The latest enhancements include support for burn-vector electrodes, automated machining of electrode frames, batch processing of multiple machining projects and faster generation of electrode drawings. Delcam Electrode also benefits from a number of options introduced into PowerSHAPE, which provides the

CIMdata PLM Industry Summary

CAD element of the overall solution.

Delcam Electrode combines functionality from PowerSHAPE, PowerMILL and the PowerINSPECT inspection software to give a completely integrated solution for the design, machining and inspection of electrodes. At the heart of the solution is a novel file format – the .Trode file. This contains all the information for each electrode project, including not only the electrode design but also the machining and inspection information, plus the set-up sheets for its manufacture and use. Having all the required information in a single file simplifies data management as well as increasing overall efficiency.

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Design Excellence Forum to Showcase the Leading Product Design & Manufacturing Technologies
27 September 2013

FISHER/UNITECH, a reseller of [SolidWorks](#)® 3D design software and Stratasys 3D Printers, will inaugurate its Design Excellence Forum – a new and provocative event scheduled at 11 cities throughout the Midwest and Northeast. The Design Excellence Forum will offer several presentations showing how to leverage today’s most innovative technologies to achieve excellence in design and manufacturing. The Forum promises to deliver stellar sessions on mechanical CAD, electrical design, 3D printing, CAM, data management, and includes free training on SolidWorks 2014. This roadshow will begin on October 2nd in Kansas and travel throughout the Midwest and East Coast during the month of October.

The Design Excellence Forum serves as a unique and complimentary resource for SolidWorks users, prospective users and upper management alike. There will be keynote addresses delivered by executives of SolidWorks Corporation, including Ken Clayton, Aaron Kelly, Alfred Saad and Paul Giaconia. This forum offers management the opportunity to stay involved and up to speed on the latest and greatest manufacturing and product design technologies in the industry. Executives are invited to discover methods of optimizing design for additive manufacturing, improving product development efficiency through data management, leveraging electrical design automation, and learning how design validation improves product quality. These solutions are sure to expedite manufacturing processes and make companies highly competitive.

“Our Design Excellence Forum will give end-users and executives alike a viewpoint of how today’s most innovative technologies are being used by manufacturers to compete in the global economy,” said Charlie Hess, CEO at FISHER/UNITECH. “Manufacturing in the US is entering an exciting phase of world-wide competitiveness due to how we leverage these new engineering and manufacturing processes.”

The Design Excellence Forum is completely complimentary and all are welcomed to attend. Registration is required. For more information on the agenda, locations and dates please visit <http://www.funtech.com/Events/Design-Excellence-Forum>. This event is sponsored by HP, SolidCAM, Dassault Systemes, Stratasys and Aras Corporation.

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Knovel Virtual Conference Tackles Engineering Leadership, Education and Career Growth Challenges

25 September 2013

[Knovel's](#) first [Virtual Conference](#), scheduled for Oct. 15, is the place for engineers to find answers. In addition to topics addressing engineering leadership, education and professional development, the full-day event will showcase Knovel's new platform, announced on Sept. 9.

Attendees will have access to technical sessions on how to get the most out of Knovel, a cloud-based application that integrates technical information with analytical and search tools. There will also be expert sessions on industry trends, leadership skills and career development advice, and tips on how Knovel can be used in the classroom to prepare students for the workplace.

"We're very proud to be able to offer such a great lineup of speakers and resources to as broad a community as possible," said Elena Filimonova, Vice President of Marketing, Elsevier Engineering and Technology. "We're bringing together thought leaders, expert users and the entire Knovel community to share best practices not just for the Knovel platform, but for professional engineers, educators and students alike."

WHAT: Knovel's Virtual Conference

WHEN: 8:30am ET - 5:15pm ET, Oct. 15, 2013

WHERE: [Register here](#) for the free online event.

WHO: The free online event will feature keynotes and breakout sessions on a variety of topics affecting professional engineers, engineering students and engineering librarians around the world.

WHY: The conference keynotes include "Success Strategies for Introverted Leaders," presented by Lisa Petrilli, CEO of C-Level Strategies; and "Engineering in Sustainable Human Development: Challenges and Opportunities," presented by Bernard Amadei, professor of civil engineering and founding president of Engineers Without Borders.

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ITI TranscenData Announces Sponsorship of PLM Europe 2013

27 September 2013

ITI TranscenData announced today their continued sponsorship of [PLM Europe – the Siemens PLM Connection 2013](#) event in Berlin, Germany, 14 – 16 October. ITI TranscenData finds the Siemens PLM Europe event to be an ideal forum for viewing the latest technology available from Siemens as well as a venue to exchange ideas with Siemens PLM users from over 25 European countries on important issues

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facing their industries today.

ITI TranscenData is pleased to be a Gold Sponsor of the event. ITI has been a Siemens PLM partner for over 17 years, providing complementary solutions and services for Siemens PLM customers. ITI TranscenData has expanded their Proficiency® feature based CAD translation solution to support migration to Siemens' NX CAD system from SolidEdge, SolidWorks and Inventor.

“This conference is always the perfect opportunity to discuss interoperability requirements and experiences with new and existing clients” says Don Hemmelgarn, President of ITI TranscenData. “We are excited about our additional offerings for the Siemens Community, and look forward to meeting a wide selection of end users at this year's PLM Europe event.”

ITI TranscenData is actively engaged with Siemens PLM customers deploying interoperability solutions such as Proficiency®, CADIQ® and CADfix® to streamline migration and collaboration processes, ensuring they get optimum value from their PLM investments. Experienced ITI TranscenData consultants will be at the ITI stand, where customers can learn more about these solutions:

[PDM Integrations](#)

- Solidworks (SWIM) and Pro/Engineer (IPEM) integrations to Teamcenter (*SWIM & IPEM are Siemens PLM Products*)
- Migration Services – PDM and PLM to Teamcenter with a business focus
- Implementation Services – Install, configure, and develop the right use cases for SWIM & IPEM
- Network with other clients in the ITI/Siemens community using SWIM & IPEM

[Proficiency](#)

- Feature based CAD migration into NX including from CATIA V5, Inventor, Solid Edge and SolidWorks
- Enabling effective OEM compliance and collaboration within a multi-CAD supply chain

[CADIQ](#)

- Ensuring the stability of CAD model geometry and PMI data within a 3D MDB environment
- Validation of CAD model translation into NX within a multi-CAD supply chain
- Validation of corporate CAD system migrations to NX
- Validation of JT, STEP or Parasolid exports and collaborative processes

[CADfix](#)

- Effective BREP translation between CAD, CAM and CAE applications
- Supporting JT collaboration and translation with JT import and export interfaces

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Lantek Shows Sheet Metal and Structural Steel Solutions at Northern Manufacturing

23 September 2013

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Lantek will be bringing its world class solutions for the sheet metal and fabrication industries to the Northern Manufacturing exhibition, which runs from the 2nd to 3rd October in Manchester. Located on stand J56, Lantek will be showing the 2013 version of its Lantek Expert CAD/CAM software which incorporates new 'ThinkingMetal Technology' artificial intelligence algorithm. This produces significant improvements in nesting efficiency and cutting methodology resulting in savings in both material and production time. New functions include sheet turning, the ability to reorder cutting operations and the rectangular cutting of the skeleton of the metal sheet.

In addition, visitors will be able to see the Lantek Flex3d software which has been redeveloped to enable it to share data with the vast majority of CAD and BIM software available in the market. The optimised user interface gives improved simulation and turret management as well as advances in 5-axis technology allowing inclined cutting in corners and speed control for water jet machines, resulting in the ideal cutting parameters being used every time.

Options to connect to a company's management and CAD systems have been increased, with the new version, using XML, DWG/DXF, SAT, IGES and STEP. These make it possible to tailor the level of integration to suit the individual user and to phase its introduction to ensure that it is effective and productive. Other data exchange improvements allow the import of hole locations in tubes, and drilled holes in standard section profiles such as I, U, L and T.

Lantek Integra provides companies with the management tools to provide accurate quotations, track progress through the workshop, control customer relationships, sales performance, costs, inventory, traceability, profitability and banking. Fully integrated with all of Lantek's suite of software and able to be integrated with a company's existing management systems, Lantek Integra helps managers to operate their companies more efficiently with less administrative effort. New in 2013 is the touch screen validation of job progress through the workshop and with the 'Avantia Services' API the real time updating of information, even on mobile devices, providing managers with an instant snapshot of production status.

For companies in the structural steel industry, the Lantek Steelworks system links with leading Building Information Modelling systems. It uses the shared data to build a project plan including budgets, financial forecasting, purchasing, production control, certification and reporting, allowing managers to have full visibility of the key phases of a project, turning it from a design, through the suite of software, to finished components ready for construction.

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Leaders in Infrastructure to Keynote at Bentley's Year in Infrastructure 2013 Conference in London, Oct. 29-31

25 September 2013

CIMdata PLM Industry Summary

Bentley Systems, Incorporated, has announced the powerful lineup of guest speakers keynoting at its [Year in Infrastructure 2013](#) Conference, being held Oct. 29-31 at the Hilton London Metropole in London, U.K. These prominent thought leaders in the community of infrastructure professionals will be part of a dynamic and content-rich agenda featuring presentations and interactive sessions exploring the intersection of technology and business drivers and how they are shaping the future of infrastructure delivery and investment returns. They will present before a global gathering of leading executives from infrastructure organizations and more than 100 journalists from top industry and business publications around the world. [Registration](#) is open to all management-level executives in architectural, engineering, and construction firms, owner-operators, and government organizations responsible for the design, delivery, or operations of infrastructure.

The *Year in Infrastructure 2013* guest keynoters include:

- **Sir John Armitt**, Chairman of the Olympic Delivery Authority for London 2012 and Chairman of National Express
- **Andrew Wolstenholme**, OBE, CEO of Crossrail Ltd.
- **Peter Hansford**, Chief Construction Advisor to the U.K. government
- **Pedro Miranda**, Corporate VP, Siemens AG, and Head of the Global Center of Competence Cities

The *Year in Infrastructure 2013* Conference will also feature:

- Industry-specific Breakout Tracks –
 - The Innovations for Buildings Summit
 - The International Rail and Transit Summit
 - The Project Delivery Summit
 - The Power Delivery Summit
 - The Asset Performance Management Summit
- The CIO Workshop – an invitation-only workshop for CIOs and business executives focused on the asset information management needs of infrastructure owner-operators
- The *Be Inspired* Awards – project presentations by the finalists of the prestigious 2013 *Be Inspired* Awards program for outstanding achievement in infrastructure design, delivery, and operations, culminating in the announcement of the winners at the awards banquet

Media Day

On Oct. 28, more than 100 journalists from leading media outlets around the globe will gather at the Hilton London Metropole for Bentley's annual Media Day briefing. Bentley's senior management team and product experts will provide an overview of Bentley's recent and forthcoming software and services innovations, key industry trends, and insights into Bentley's commercial and technical direction.

Said Bentley Vice President Chris Barron, "Building Information Modeling (BIM) is not only transforming infrastructure project delivery, but also empowering improved project and infrastructure asset performance around the world. The *Year in Infrastructure 2013* Conference is the perfect forum to

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learn from those organizations and thought leaders who are leveraging BIM for a whole new level of benefits over the AECO lifecycle. And London is the perfect spot for the conference – it's at the vanguard of BIM practice. If you are looking to get more out of BIM, *The Year in Infrastructure* Conference is the place to be!"

Sponsors

The *Year in Infrastructure* 2013 Conference [sponsors](#) include:

- Platinum – McGraw Hill Construction;
- Presenting – EMAP, Fiatech, Siemens, and Trimble;
- Media – *3D Visualization World*, *AEC Magazine*, *AECbytes*, *AEE Cafe*, *The American Surveyor*, *Asian Power*, *Australia's Mining Monthly*, *CADUser*, *CE News*, *Constructech*, *Directions Magazine*, *Electric Energy T&D Magazine*, *EW Media*, *Geo Business*, *Geofumadas*, *Geospatial Today*, *Geospatial World*, *GeoWorld*, *GraphicSpeak*, *Informed Infrastructure*, Jon Peddie Research, KHL's *Construction Europe*, *LiDAR News*, *MiningNews.net*, *Modern Steel Construction*, *Obras Urbanas*, *PennEnergy*, *PRIME*, *Process & Plant Engineering*, *pwcom.co.uk Ltd*, *RAI (Rebuilding America's Infrastructure)*, *SPAR Point Group*, *Strade & Autostrade*, *Structural Engineer*, and *TenLinks*.

To register for and/or learn more about The *Year in Infrastructure* 2013 Conference, go to www.bentley.com/YII2013London.

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Vienna, Austria Host City for CD-adapco's STAR Global Conference 2014

24 September 2013

CD-adapco announced today this year's event will be hosted in Vienna, Austria and is now accepting presentation abstracts for the STAR Global Conference 2014. This exclusive three-day event (<http://www.star-global-conference.com>), held in Vienna, Austria on March 17-19, 2014 will bring together engineers from around the world to explore the latest developments in engineering simulation technology and to discuss the ways in which it can be deployed to solve industrial problems, reducing costs and empowering innovation.

The theme of the STAR Global Conference 2014 is "Simulating Systems." CD-adapco is inviting valued customers to share their success stories with the 500 plus attendees. Each presenter will have 20 minutes to share their story and can attend the event at no cost. Topics for this year's event include:

- The solution of real-world engineering problems
- Complex multiphysics
- Cosimulation between CAE tools
- Large model sizes

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- Design exploration and/or optimization
- Innovative use of CD-adapco tools

The STAR Global Conference is the official launch event of STAR-CCM+ v9, the latest version of CD-adapco's flagship engineering software tool. In addition to waiving the 200 EURO attendance fee for the conference, CD-adapco invites all Presenters to attend a complimentary day of STAR-CCM+ v9 Orientation Training on March 19, 2014, valued at 600 EURO.

Interested presenters for this year's conference can submit a 100-200 word presentation abstract on the conference website: <http://www.star-global-conference.com/news/present-star-global-conference-2014>.

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Visitors to CMTS Booth #2525 to see the Latest Releases of WorkNC and SURFCAM

25 September 2013

The Canadian Manufacturing Technology Show is Canada's main national manufacturing event where thousands of manufacturing professionals go to assess potential suppliers. More than 500 manufacturing companies are represented during the four day event, giving attending professionals an extensive reach and allowing them to find solutions to improve and/or enhance their operations. CMTS will be held at the International Centre in Mississauga, Ontario, Canada, from September 30 to October 3, 2013.

During the show, Vero Software will showcase the latest releases of WorkNC, WorkXPlore, and SURFCAM. WorkNC will be presenting the latest in automatic CAM functions in Version 22. This latest release includes new cutter path strategies specifically for the die stamping industry, for milling die flat areas with the end or side of the tool, milling traditionally, or with a plunge strategy. These cutter paths reduce die stamping programming time.

Toolpath morphing has been introduced to provide flow line machining along continuous geometry and inside corners, increasing the surface finish and reducing the need for retracts and unnecessary tool lifts. New spiral options have been added to several finish toolpath strategies to provide constant contact on the part and reduce any witness lines from tool lead in/out movements.

Visitors to booth #2525 will also see how new machine contexts allow for setting up the part, fixturing and clamping geometry right on to a digital model of the mill. This gives accurate machine collision checking as well as checking machine limits during post processing.

Along with WorkNC V22, WorkXPlore 3D Version 3 is also being featured at CMTS. This latest version of the award-winning 3D CAD viewer includes a more robust geometry engine, and is available in a 64-bit version.

In addition, CIMCORP Inc. a WorkNC/SURFCAM reseller will be on hand to help provide attendees with answers to all of their CAD/CAM questions.

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Financial News

ESI Group: Results for the first half of 2013/14

26 September 2013

Alain de Rouvray, ESI Group's Chairman and CEO, says: "As anticipated, over the period our results were heavily impacted by a combination of a negative currency effect and a negative base effect following an exceptional 1st half of 2012/13. Furthermore, the temporary decrease in the gross margin for our Services activity, the staff we have hired on second half of 2012/13 to support our growth and further investments also weighed on half-year profitability. Following two years of buoyant growth boosted by the strengthening of our strategic partnerships with major automotive and aeronautical players, the first half of this year represents a necessary period of consolidation enabling us to strengthen, through targeted corrective measures, the foundations for healthy and profitable growth."

First-half sales up +5.3% at constant currency

As announced on September 12, 2013, revenue for the 1st half of the year totalled €44.3 million, a slight decrease of -1.0% in actual terms and an increase of +5.3% at constant currency, the currency effect having a -€2.8 million impact on revenue. This performance reflects an encouraging sales dynamic penalised by a negative base effect. (ESI Group recorded a number of deals in the 1st quarter of 2012/13 that generated a substantial +22.2% increase in half-year revenue, +16.4% at constant currency).

Licenses activity recorded revenue of €29.9 million, up +6.6% at constant currency:

- The "Renewal" of the Licenses installed base recorded a solid increase of +8.3% at constant currency, totalling €1.3 million.
- The repeat business rate for Licenses remained high at 83%, at constant currency.
- Licenses New Business increased by +1.3% at constant currency despite the particularly negative base effect associated with the deals exceptionally recorded during the 1st quarter of 2012/13.

Services activity recorded revenue of €14.4 million, up +2.7% at constant currency. This evolution reflects a consolidation in activity following last year's very buoyant growth and the gradual withdrawal from non-strategic and non-aligned activities such as contracting in the United States.

The geographical split in activity edged towards Europe over the period (41.1% vs. 37.7%), driven by the upturn in Services activity, notably in France. The decrease in the weight of the Asia zone (40.2% vs. 42.8%) was associated with the currency impact and occurred despite the solid performance of Licenses activity (+9.1% at constant currency). The Americas zone, which benefitted from a catch-up

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effect during the 1st quarter, slipped back over the 2nd quarter due to the withdrawal in contracting Services activity, and accounted for 18.7% of total activity vs. 19.5% a year earlier. The 1st half benefited from the continuing dynamism of BRIC countries (Brazil, Russia, India, China), which now represent 14.7% of half-year revenue compared with 13.9% last year.

Evolution of results and costs

EBITDA totalled -€3.7 million over the period, down -€2.5 million compared to the 1st half of 2012/13. This fall can be explained by a negative currency effect of -€1.5 million, a decrease in the Services gross margin and an increase in investments, particularly in Sales and Marketing. Nevertheless, it does confirm the resilience of the Group's economic performance and the robustness of its business model. Given these factors, as well as costs inherent to the implementation of corrective measures, the net loss (IFRS) came to -€5.0 million, a fall of -€3.6 million in actual terms and -€2.2 million at constant currency.

The gross margin was thus 64.1% of revenue at constant currency (63.0% in actual terms), down slightly compared to the 1st half of last year because of a decrease in the Services gross margin. This decrease was a result of the base effect associated with exceptional projects produced and delivered last year without any additional resources, as well as the withdrawal from contracting services in the United States, the effect of which was not yet visible on resources and costs over the period. The Licenses gross margin remained stable at constant currency, again confirming the solidity of the business model.

Globally, costs not directly related to production were up +7.4%:

- IFRS Research & Development costs were up +2.3% at €7.5 million over the period. ESI Group has continued its R&D investment policy, with spending increasing by +1.5% to €9.9 million (excluding Research Tax Credit and IFRS restatement), or 33.3% as a proportion of Licenses sales (30.9% at constant currency) compared with 32.4% a year earlier.
- Sales & Marketing costs came to €17.6 million, up +8.2% compared with the previous year, and represented 39.7% of sales compared with 36.3% over the same period last year. This increase was mainly driven by investments for diversification of sales associated with recent acquisitions and growth in BRIC countries, and notably the full effect over the period of the staff recruitments undertaken during the 2nd half of 2012/13, as well as reorganisation costs and change in scope.
- General and Administrative costs totalled €7.3 million over the 1st half of 2013/14, an increase of +8.5%, thus representing 16.5% of sales compared with 15.0% the previous year. These costs include reorganisation costs such as the start of the implementation of management tools, as well as premises-related investments (in France, Ter@tec, and in India).

At constant currency, total operating costs came to €50.6 million over the period (€49.2 million in actual terms), an increase of +9.8% on the 1st half of last year, compared with sales growth of +5.3% at constant currency. This increase should also be considered alongside the increase in the average workforce (+9.0% between the two periods) following the recruitments launched in the 2nd half of 2012/13.

Once the financial loss and the tax effect are taken into account, the Group's attributable net loss was -€3.8 million, a further -€2.8 million fall compared with the 1st half of 2012/13 (-€1.8 million fall at constant currency).

A sound financial structure

The Group had €10.7 million euros in available cash at July 31, 2013 versus €1.9 million at July 31, 2012 and €7.6 million at January 31, 2013. Net debt was €7.3 million vs. €10.9 million at January 31, 2013, whilst gearing (net debt over shareholders' equity) was limited to 9.9%, an improvement on the figure of 14.1% at the end of 2012/13.

Strengthening of the strategic partnerships with major industrial players

During the period, the extension of ESI Group's collaboration with Alliance Renault-Nissan and the Volkswagen group illustrates the pursuance of the Group's strategy to accompany its customers towards the implementation of end-to-end virtual prototyping projects. This policy of deploying ESI's solutions amongst industrial partners is a crucial issue for the revitalization of certain sectors that are under particular pressure to innovate, notably the automotive, aeronautical and energy sectors, which are striving to improve their productivity gains by migrating to fully-digital technology. Achieving this objective is based on a high-value-added individualised collaboration, a methodology termed 'co-creation', through which ESI Group defines the most suitable virtual prototyping solution for each sector and each player. The current efforts being deployed by the Group to establish itself as a major player in this transition towards an all-digital format are visible through the partnerships signed in numerous countries with major leaders in each industry. The Group therefore remains confident in the pertinence of its approach, noting that its co-creation process results in escalation in the value chain of its customers and acceleration in its Licenses sales, the essential driving force behind an improvement in profitability.

To view an unabridged version of this press release, visit: <http://www.esi-group.com/company/investors/news/results-first-half-2013/14>

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Implementation Investments

Delcam Software Flexibility brings Success for Base Patterns

23 September 2013

The flexibility of Delcam's CAD/CAM software has played an important role in the rapid growth of Base Patterns. Since the company's formation in 2010, Base Patterns has established a successful business supplying models, patterns, fixtures and tooling to various advanced engineering sectors, including aerospace, automotive and motorsport.

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Base Patterns, which is based in Whetstone, Leicestershire, is a part of Base Group, which was founded by John Miller and consists of several companies providing chemicals and materials for advanced composite applications. Over the past three years, Base Group has implemented successfully an ambitious development programme to provide high-performance model and tooling boards, pre-impregnated fabrics, surface coatings and custom-formulated resin systems, supported by a design and manufacturing facility utilising the latest high-speed milling technology.

Base Group is the only company worldwide that controls the entire manufacturing cycle from polymer to 3D machined prototype, model, pattern, jigs and subassemblies. This has delivered exceptional results in the domestic market with growth in excess of 35% in 2012.

During the same period, Base Group has also expanded its overseas activities, resulting in a 20% contribution from international markets. This is an exciting time in the evolution of Base Group with its sights firmly set on the future; it is developing several innovative technologies that will enhance the customer experience and shape the future of composites.

As a key strategic international partner, Delcam is able to support Base Group's business needs through a variety of software. Comprehensive technical support further supports the long-term vision for the Group.

Tony Wilcox, Project Manager at Base Patterns, recognised the benefits of using the software range developed by Delcam stating, "This is the heart of the operation and delivers a seamless transition from initial CAD through to final inspection."

"By utilising the PowerSHAPE CAD software and PowerMILL CAM system, we are able to meet the design needs of our clients and convert this into a three-dimensional form," he claimed. "We can provide our clients with faster response times and shortened lead times and, in doing so, exceed our customers' expectations."

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PTC Helps BISSELL Accelerate Product Innovation and Delivery

24 September 2013

PTC today announced that BISSELL is using **PTC Windchill®** to enable digital collaboration and product development across its entire engineering organization worldwide. The company's strategic alignment around PTC Windchill has allowed BISSELL to improve sharing and coordination of product information between its global design teams and manufacturing partners. This has allowed the company to evolve its internal communications, external relationships with suppliers and customers, its business focus and its core product line development goals.

CIMdata PLM Industry Summary

Since 1876, BISSELL has been developing cleaning tools designed to keep customers' living environments up to the highest standards. Over the years, the company has been at the forefront of product development innovation, with everything from the original carpet sweeper, to shampoos and carpet deep cleaners with built-in heaters. As the industry's business model has changed, BISSELL has maintained its leadership position by evolving across multiple fronts including the expansion to global business, external partner collaboration, a transparent Bill of Materials (BOM) and continuous cost reduction.

“Early on we recognized that a unified, consistent view of all product data would be imperative to meeting our innovation, quality and accuracy goals. PTC Windchill makes this happen with its robust PLM environment,” said Roger Johnson, VP, Product Design and Engineering, BISSELL. “Where digital collaboration was once optional, now it is mandatory in the global engineering enterprise. As the core of our product development platform, PTC Windchill has allowed us to improve our workflow and process automation, doubling our throughput and facilitating global expansion.”

And while all of BISSELL's six global research and development centers rely on PTC Windchill, other functions in the organization are taking advantage of the solution as well. Multiple disciplines across the enterprise are now collaborating digitally – including professionals from purchasing, testing, quality and analysis, as well as external manufacturing partners around the world. This collaboration has resulted in a unified, consistent view of all product data and has transformed the way the company functions and focuses, allowing for global business project teams, consumer-driven attribute focus and increased on-time project completion.

“Work is done collaboratively as opposed to sequentially; information flows in parallel without chaos,” continued Johnson. “Because of this, we can have more valuable conversations about priorities instead of the process.”

Additionally, the company uses PTC Windchill to drive detailed planning with partners so that ultimately they are equipped to deliver value through quality manufacturing.

“When PTC Windchill is at the center of the iteration process – as it is and has been at BISSELL for many years – it not only allows companies to communicate better and drive detailed planning with external partners, but it also enables improved execution and ultimately faster product delivery to customers,” said Mark Hodges, divisional manager, PLM segment, PTC. “We are proud to have been working with BISSELL for over a decade and are excited that their strategic alignment with PTC Windchill has helped them to become a global industry leader.”

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Radan Takes Bolton's Punching to Advanced Level

23 September 2013

CIMdata PLM Industry Summary

A start-up subcontractor was struggling so hard to program its punch press to produce the complex parts it needed, that it considered switching all manufacture to its laser – until investing in Radan.

The software that came with its 51 station triple track turret Amada AC 2510 NT got Bolton Sheetmetal Ltd going with the basics, but Managing Director Martin Farrow says they needed Radan's advanced sheetmetal technology to take them to the next level.

“We had one employee, Jack Llewellyn, programming the punch and our laser full-time, five days a week, and even then he couldn't keep up with requirements. Now he's got time to do the programming and operate the laser as well.”

Martin says in the pre-Radan days they never punched anything with a radius – all those components went on to the Amada 3015 4kw Mark 11 laser. “The punch is a superb machine, and we knew it was capable of doing absolutely everything we wanted...but with our original software even something fairly simple, like a square plate with a radius on each corner, was beyond it.”

It reached the stage where 90 percent of parts were cut on the laser, just to avoid what he says was the hassle and lengthy time to program the punch. “We were spending hours on it. I was having to step in and try to program it myself, and it could take me a day to complete the program. When I was on holiday, if a job hadn't already been programmed, the punch just wouldn't be used. Now when I'm away I have every confidence that the team will be able to get the punch to do whatever they need it to, and that's fantastic for us.

“Amada are the machine specialists, and we're really pleased with both the laser and the punch...and Radan are the software specialists. We now take Radan for granted because it's so simple to use and quick to produce the programs we need.”

The Radan Combi system which drives both their laser and punch, was only installed in May this year, but proved its worth immediately, and within three months Bolton Sheetmetal were punching more components than they were lasering. “We can now mirror a part to get two components together, we've improved material utilisation with common line cutting, and capitalise on part removal with a shute. A lot of companies just don't understand the benefits that more powerful software gives them.”

Swift tooling of the part, and the powerful nester, mean they no longer restrict sheets to just one type of part. “I'd never mix parts on a sheet with the old software, mainly because we had to tool the entire sheet, but with Radan we just tool the part,” says Martin.

It also increased their flexibility, giving them the option of easily switching work between laser and punch, depending on which type of cutting a job is best suited to.

CIMdata PLM Industry Summary

Although Bolton Sheetmetal is only two years old, the family running it have over 40 years experience in the industry. Martin used to work for the sheetmetal company his father set up in 1974 – now Martin’s father works for him. They operate with ten employees, many of them family members and close friends, from 5,500 square foot premises near the Reebok Football Stadium in the UK. A major laser contract is to manufacture doors and door frames for the prison service, and they punch chassis channels for DAF trucks. Other products they manufacture, mainly from galvanised, stainless and mild steels, along with Zintec, include shop fittings and office furniture.

They found that Radan Combi was ideal for their independent punch and profile requirements, while also providing a seamless transfer of parts between the two technologies.

Martin also says Radan’s Quick Estimate function is proving invaluable for them, run in conjunction with their MRP system. “We get a dxf file from the customer, tool it up and click Quick Estimate, which gives us the time the job is likely to take and the optimum sheet size to use. We import that information into our MRP system which produces an accurate quote for us to send to our customer, based on Radan’s information.” He says their next investment is likely to be Radan’s high performance and versatile 3D modelling package, Radan 3D.

And Radan’s bottom line benefits in the short time they have been using it? “It’s not only saved us a person’s wage by freeing them up to do other things, and wiped out all the hassle we had, it’s given us much more scope. We can now take on jobs we couldn’t even have considered before. Radan is advanced sheetmetal technology and I wouldn’t have invested in it if I didn’t know it would enable us to take on more complex work and keep us ahead of the game in this very competitive industry.”

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ZODIAC AEROSPACE Chooses NCSIMUL Machine and NCSIMUL Player Version 9 from SPRING Technologies

24 September 2013

SPRING Technologies, vendor of solutions that enhance the productivity of NC machines, announces the signature of a new contract with ZODIAC SEATS France to implement NCSIMUL Machine 9 for machining simulation and NCSIMUL Player 9 to review and facilitate the sharing of simulations with all stakeholders in the NC process. The ZODIAC AEROSPACE reference site for machining, located at Issoudun in central France, was looking for a means to secure its NC machine tools, optimize tool paths and, ultimately, reduce machining preparation times and the risks of collisions.

A WATCHWORD: OPTIMIZATION

Specialized in the field of aeronautics since 1944, ZODIAC SEATS FRANCE, formerly SICMA AERO SEATS, is now a member of the ZODIAC AEROSPACE group, and a world leader in the manufacture of aircraft seats.

CIMdata PLM Industry Summary

The challenge facing the Issoudun site in 2013 was to optimize its toolpaths and increase their reliability, while continuing to support its existing CAM solution: TopSolid'Cam. The task was made tougher as Zodiac Seats France was introducing new NC machines, notably from the maker MICHEL PIOCH and 5-axis MAZAK Variaxis machines that would need to be secured.

Zodiac Seats France started to investigate the market in 2012 and, visiting the Industrie show, found out about SPRING Technologies and its NCSIMUL SOLUTIONS range. "We were really impressed by the ergonomics, user-friendliness and intuitive qualities of NCSIMUL Machine and its viewer, NCSIMUL Player," explains Frédéric Millet, head of programming at Zodiac Seats France. "We did some severe testing and SPRING's machining simulation solution really delivered what we were looking for in both functional and organizational terms. The clincher was the strong partnership between SPRING and the NC machine maker MICHEL PIOCH, as well as the support from the project team at SPRING."

Frédéric Millet sums up: "Without NCSIMUL Machine 9 there is no way we could have programmed safe toolpaths, especially with the arrival of the new NC machine. One reason, for example, is that the CAM system does not take into account every change of axis, so we could not be sure that our simulation reflected the reality. With NCSIMUL Machine 9, we have everything under control".

We The last word goes to Gilles Battier, CEO of SPRING Technologies: "We are delighted that Zodiac Seats France is now one of our customers. Today we have a dominant position in the aerospace sector. Our NCSIMUL SOLUTIONS range supports all manufacturing processes on NC machines. Our relentless commitment to R&D gives us the platform on which to consolidate our technological leadership and deliver the first stages of our vision, for example with realistic simulation and mobility in the workshop, bringing manufacturers all the resources they need to implement their "smart" factory and come out on top in the battle for competitiveness."

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Product News

ARES Security AVERT Helps Autodesk InfraWorks Users Model and Assess Risk

26 September 2013

ARES Security Corporation announces a collaboration with Autodesk to help users of Autodesk InfraWorks (Autodesk InfraWorks 360 Pro and Autodesk InfraWorks as found in the Autodesk Infrastructure Design Suite 2014) to rapidly move 2D and 3D building and site information into ARES Security's AVERT solution to model and assess potential threats and security vulnerabilities.

ARES Security's AVERT is the premier 3D security optimization software that visually depicts, analyzes, and optimizes physical security. It measures security investment costs, evaluates the effectiveness of existing and planned countermeasures, and allows you to make the most of your

existing or planned security budgets.

Autodesk InfraWorks solutions enhance BIM workflows by providing desktop software and cloud-based capabilities that enable multi-discipline infrastructure project stakeholders in geographically dispersed offices to publish, store, collaborate and manage large models centrally in the cloud via desktop or mobile devices. The ability to rapidly produce proposals by creating and aggregating project information, which can then be viewed within the InfraWorks environment as it might appear in the real world, helps make Autodesk InfraWorks a powerful tool for winning new business and accelerating the project approval process.

"The combination of ARES Security's AVERT and Autodesk InfraWorks solutions offers designers a powerful way to help facility owners quickly understand vital security and risk assessment considerations," said ARES Security Vice President of Business Development, Robert Scott. "It will help customers shorten the time to evaluate site security risks and ensure business continuity of their operations. Now customers can add security as an early design phase component and efficiently predict how design alternatives may affect the security of their site."

"Autodesk continues to evaluate the market for tools that provide design and operational professionals with capabilities to enhance facility design," states Autodesk's Global Sales Development Manager, Theo Agelopoulos. "Autodesk InfraWorks solutions allow customers to rapidly generate early design concepts and easily create high impact visualizations to help speed early design approvals. With the integration of AVERT, they can add security evaluations to the earliest stages of design."

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Delcam adds more Turning Options to FeatureCAM for 2014 Release

25 September 2013

The 2014 version of Delcam's FeatureCAM feature-based CAM software has been released with a number of new options for turning, four-axis rotary machining and turn-mill operations. Other enhancements in this release include more strategies for two-axis finishing and easier programming of probing sequences.

For full details, including video demonstrations of the new functionality, and to download an evaluation version, please go to www.delcam.tv/fc2014.

FeatureCAM was the world's first feature-based programming software when it was launched in 1995. Constant development since then has ensured that the system has retained its leadership in programming speed and ease of use, while an increased range of strategies has been added to provide more efficient toolpaths giving greater productivity on a wider range of machines.

CIMdata PLM Industry Summary

The first improvement to turning in FeatureCAM gives the ability to add fillets to any sharp corners, for example, for automatic deburring, without having to edit the geometry. The user simply has to specify the radius to be applied and all the sharp corners will be filleted automatically. Similar functionality for automated chamfering of corners has been available in FeatureCAM for several years.

Turning simulation has been made more realistic with the ability to program and simulate the movements of the steady-rest that can be used to position large parts during turning and the tailstock that can be used to hold long parts on centre during machining. Collision detection against both these types of accessory is undertaken automatically during both cutting and transfer operations.

Programming of both turn-mill and four-axis equipment has been made much easier with the ability to change the index axis part-way through programming. Previously, all aspects of the part, including features, geometry and curves, would have to be moved if a change in the index axis was required. Now, this can be achieved simply by creating a new user coordinate system and using that as the new index axis.

An improvement to the FeatureCAM interface will make it easier to use a curve to define start points and plunge points for both turning and milling. Users can now pick these curves by clicking on them, instead of having to type the name of the curve.

The ability to incorporate probing routines into machining programs was added in FeatureCAM 2013. These routines make it easier to undertake unsupervised production operations by allowing automated checks to be carried out before, during and after machining. Programming of these operations has been made easier and quicker with the new ability to incorporate decision-making with built-in options in the software, instead of having to hand-write toolpath edit commands. For example, it is now easier to include a re-machining command if the probing results show that more material needs to be removed from the part.

Finally, a number of extra strategies and options have been added for two-axis machining. These include the ability to use larger stepovers, with automatic machining of any upstands that may be left, continuous spiral machining either from outside to inside or inside to outside, support for stock models created from roughing toolpaths, and automatic avoidance of clamps.

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Free TurboSite Plug-In For Autodesk AutoCAD

23 September 2013

IMSI®/Design, a pioneer in mobile solutions for AEC, launched TurboSite™ Plug-In For Autodesk® AutoCAD®, a free plug-in that lets any AutoCAD user view geolocated video, photos, markup, and text notes taken from the field *directly* within the AutoCAD application.

CIMdata PLM Industry Summary

Mobile devices have exploded in popularity on job sites. TurboSite, recently awarded 2013 AIA National Convention's "Best of Show," turns mobile devices such as Apple's iPad® or iPhone® into a *first-of-its-kind* field reporting tool.

No more lugging plans into a building, they're right on your iPad or iPhone. GPS or SPS™ knows where you're at in your plan. At any spot you can create a correctly geolocated GeoMark™ and, using the built-in camera, take as many photos, videos, dictation, and text notes that you want. Redline a drawing with powerful markup, dimension, and inquiry tools, or have a real-time video conference via FaceTime or Skype from directly in your building plan. Immediately share your report electronically with your entire design and construction team at the touch of a button... or instantly print a customized PDF report and distribute hardcopy. Either way, creating a field report has never been so easy.

And now with the launch of TurboSite Plug-In For AutoCAD, all AutoCAD users on a project can -- for the first time -- view geolocated video, photo, markup, and text documentation directly within AutoCAD.

Offered free of charge, the TurboSite Plug-In For AutoCAD provides round-trip field report workflow between the job site and home office and cuts up to 80% of the burden of traditional site inspections, completely automating the field reporting process.

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i GET IT Adds Routsis, Premier Plastics Industry Training, to Online Engineering Knowledge Management Portfolio

26 September 2013

[i GET IT](#), the online self-paced training solution for engineers from [Tata Technologies](#), announced the addition of a series of Plastics training courses from Routsis, the premier training provider in the plastics industry, to its comprehensive online knowledge management portfolio.

“Offering these industry-leading training courses is part of the overall strategy of expanding the *i GET IT* library to address all of the engineer’s training needs.” said Dan Miles, Vice President iProducts. “Beyond training and skills enhancement, *i GET IT* offers engineering professionals a full portfolio of courses and engineering support to keep individuals and organizations continuously increasing their productivity.”

“Our courses on plastics processing, part design and tooling are an excellent tool for engineers using the *i GET IT* platform,” said Andy Routsis, President – Routsis Training. “As the premier training provider for the plastics industry, it makes sense to partner with the number one provider of online training for engineers and management. This partnership provides engineering professionals even more resources accessible anytime, anywhere.”

CIMdata PLM Industry Summary

The use of plastics in manufacturing is increasingly important as product development demands across industry segments demand viable alternative materials that are durable and lightweight. In the automotive industry, earlier this year, the National Academies of Science's National Research Council (NRC) released a report noting that lightweight plastics and plastics composites are essential to helping automotive OEMs meet stringent CAFE, standards of 54.5 mpg by 2025. Supporting that report, plastics industry representatives emphasized plastics and plastics composites, can significantly lessen the load on a vehicle's engine, which increases mileage and reduces greenhouse gas emissions.

Overall, the plastics industry is the third-largest manufacturing segment in the U.S., growing at 2.3 percent per year since 1980, compared with 1.9 percent per year growth for manufacturing as a whole over that same period, according to SPI, the plastics industry trade organization.

i GET IT offers more than 100,000 engineering professionals in more than 60 countries a full portfolio of courses and engineering knowledge, online technical assistance and engineering information to support skills development and increase productivity. Routsis training is used in more than 3000 companies, including over 100 learning centers and educational institutions worldwide that use its interactive training programs as part of their standard curriculum. Routsis also is endorsed by the Society of Plastics Engineers.

To learn more about the *i GET IT* plastic part and mold design training portfolio, [click here](#).

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IMSI/Design Releases DesignCAD 3D Max v23

24 September 2013

IMSI/Design announced today that DesignCAD® 3D Max v23 is now shipping.

Earlier this year, the product review website TopTenReviews.com, named DesignCAD 3D Max the #1 CAD product of 2013 for small-to-mid-sized businesses and hobbyists.

"We've worked hard to make sure DesignCAD continues to be a price/performance leader in CAD," stated Bob Mayer, COO of IMSI/Design. "New version 23 is no exception, with the introduction of a new GPU-accelerated drawing engine and the latest AutoCAD® file format compatibility."

DesignCAD 3D Max v23 includes many new features and enhancements, including:

- **New Redsdk, GPU-Accelerated Drawing Performance** - Zooming, panning, and rotating in wireframe display mode is up to 30 times faster.
- **New AutoCAD 2013 and 2014 file support** - Support for import and export of the latest .DWG and .DXF file formats.

CIMdata PLM Industry Summary

- **New Layer Options** - Users can select the color of text on highlighted layers and more easily toggle on layers.
- **Improved Solid Boolean Operations** - New option to limit the function to pre-selected entities only.
- **Improved Stretch Command** - New option to enable multi-layer editing offers greater control.
- **New Centered Mouse-wheel Zoom** - Zoom now centers on the cursor position.
- **Improved Mitering** - The edge of a piece of material is more accurately displayed.

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Logical Operations and ASCENT Partner to Provide Specialized Training Materials for Autodesk's Leading 3D Design Engineering Products

25 September 2013

Logical Operations today announced a new partnership with ASCENT that provides organizations worldwide with access to specialized training materials for Autodesk's leading design engineering software applications.

“ASCENT's Autodesk Official Training Guides (AOTG) are developed by a team of courseware developers, engineers, instructional designers, and technical writers who work together to create training solutions that meet the needs of our clients,” commented Chantale Marchand, Vice President, ASCENT – Center for Technical Knowledge. “We are thrilled to enter into a partnership with Logical Operations and by extension, their established customer base with commercial training centers. We look forward to helping students and professionals use and improve their adoption of Autodesk tools in their design work,” continued Marchand.

ASCENT creates training curriculum which prepares professionals in the engineering design, architectural, and manufacturing industries maximize their proficiency and productivity when using Autodesk design tools on the job. ASCENT courseware incorporates real-world examples and plenty of hands-on exercises so users can go back to their jobs feeling confident that they have mastered the software program.

“With over 20 years of experience, ASCENT is an expert at developing curriculum for Autodesk engineering software,” said Bill Rosenthal, CEO of Logical Operations. “Partnering with ASCENT was natural, as both Logical Operations and ASCENT are committed to offering the most effective training solutions which provide professionals with the skills necessary to achieve success on the job.”

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Mastercam's Design Tools Provide Flexibility and Ease of Use

24 September 2013

Mastercam is known for powerful NC programming, but it also delivers a suite of shop-tested design tools including 3D surfacing and solids. The streamlined CAD engine makes design work easier than ever before.

Mastercam Design streamlines modeling and editing geometry. It also supports advanced geometry creation, including NURBS curves and surfaces, 2D and 3D associative dimensioning, surface extension, blending, trimming, splitting, variable filleting, solid modeling, hybrid modeling, and so much more!

A few new enhancements to Mastercam Design X7 are:

Modify Solid Feature

The new Modify Solid Feature function allows you to create bodies and/or remove features from solid models that do not have any operation history. To create or remove a body, select the face of any feature, including bosses and open pockets, on the solid model. Mastercam recreates the feature in a new, independent solid body and leaves the original solid unchanged, or eliminates the feature by modifying the original body.

Modify Solid Fillet

Use the new Modify Solid Fillet function to quickly change the radius of fillets in solid models that do not have any operation history. You can apply your changes to sets of tangential fillets or fillets with matching radii.

Solid Hole-Axis

The new Solid Hole-Axis function creates axis lines in circular holes in solid bodies, with or without history. Hole-axis lines are created using your current system attribute settings (line size, color, etc.). You can also create related geometry (points and circles) using the options in the dialog box.

Xform Project Improvements

New controls have been added to the Xform Project dialog specifically for projecting onto a surface. Particularly useful when working with small parts, Mastercam now prompts you to increase your default tolerance to attain the best results. In addition, you can choose between projecting blended splines or attempting to match the number of source geometry pieces to the number of projected entities.

For more information on Mastercam Design, please visit www.mastercamdesigntools.com.

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CIMdata PLM Industry Summary

Mentor Graphics Announces New FloEFD Product with Radiation Modeling and Multicore Meshing 25 September 2013

Mentor Graphics Corporation today announced the latest release of its award-winning [FloEFD™ concurrent computational fluid dynamics \(CFD\) product](#). This new release incorporates Monte-Carlo radiation modeling for thermo-optical performance, and advanced multicore meshing of complex geometries which allows simulation that is now orders of magnitude faster.

Monte-Carlo radiation modeling is important for precise analysis of geometric effects in optics, such as the refraction and reflection of radiation absorptive media; for example, lens focusing. The FloEFD product provides a unique boundary layer treatment and, when combined with robust meshing capable of capturing highly complex geometries automatically, it enables engineers to accurately predict complex thermo-optic behavior. This is ideal for applications such as automobile lighting, consumer luminaire design, and video/photography-related products.

“FloEFD from Mentor helps us to understand and optimize headlamps. Even very complex geometries and test conditions can be investigated with a minimum of effort,” stated Peter Jauernig, head of department, Automotive Lighting, Reutlingen, Germany. “New features such as Monte-Carlo radiation and the LED module are especially helpful in speeding the development of very complex products.”

The multicore architecture meshing feature provides reduced meshing time, up to 20x faster. This significant increase in speed allows the user to test various design approaches in a matter of minutes, compared to hours. The increased meshing speed provides significant productivity benefits such as conducting “what-if” testing on various models in less time. This can result in delivering competitive products with improved performance, in shorter time-to-market schedules.

Mentor Graphics® FloEFD® product provides a unique boundary layer treatment and, when combined with robust meshing capable of capturing highly complex geometries automatically, it enables engineers to accurately predict complex thermo-optic behavior.

The new FloEFD product also supports fluid-structure interaction through a mesh-based parallel code coupling interface (MpCCI®) bridge developed at the Fraunhofer Institute SCAI. The new functionality enables engineers to export CFD analysis data for finite element analysis (FEA) in a wide range of popular structural simulation programs, thereby enabling users to conduct multi-disciplinary analyses.

Additional usability enhancements in this release include:

- Support of Linux® solver launch directly from the FloEFD user interface to help users set a series of simulation runs effortlessly
- Inclusion of multiple parametric study results in the same project tree provides easy access to data while conducting multiple studies on the same model
- Multi-editing of input data on boundary conditions saves time and clicks for repetitive

simulations such as LED arrays

- Support of local solution adaptive refinement enables users to specify high resolution only in areas of interest

“Our latest version of FloEFD for concurrent CFD addresses the complexities of today’s thermo-optic applications with greater ease of adoption and accuracy,” stated Dr. Erich Buerger, vice president of Mentor Graphics Focus Products Organization. “As an industry leader with a proven history in CFD technology excellence, we are continually investing in our FloEFD product line to deliver the best-in-class solutions that address our customers’ business challenges.

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OPEN MIND Technologies AG: hyperCAD-S is ready to go

23 September 2013

With hyperCAD-S®, OPEN MIND Technologies AG has developed its own CAD system perfectly matched to the hyperMILL® CAM system. This CAD solution is specifically designed to address the requirements of NC programmers.

hyperCAD-S® has been redeveloped from scratch, with the architecture, core, graphics, database, user interface and API all being new software designs. The new system is integrated much more closely with CAM-specific tasks than *hyperCAD*®. The newly-developed *hyperCAD-S*® core is perfect for imported data. Users can easily modify any of the geometry elements at any time. Curves and free-form surfaces are depicted using Bezier and NURBS geometries. As well as all the standard basic design elements, the core also provides a number of elements that specifically aid CAM programmers, including tool paths, polygon networks, point clouds and a rectangle element.

The new user interface

The new user interface “Our user interface for *hyperCAD-S*® is modern and user-friendly, and we made sure to accommodate all the latest ergonomic considerations,” says Wolfgang Weiss, Product Manager. Again, the overriding design principle was: ‘What CAM users want’. The result is a clearly structured GUI that does not rely on any hidden options.

First release version to contain all main basic functions

The first version of *hyperCAD-S*® will run in 64-bit and offer a broader range of functions than the *hyperCAD*® Geometric Engine. “There are significant differences,” emphasises Weiss. “The structure for Selection and Visibility has been implemented completely new due to customer requirements.”

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RuleDesigner Low Cost PDM Solution now Available for Pro/ENGINEER and PTC Creo Users

23 September 2013

ENGINEERING PLM Solutions today announced that, thanks to the enhanced CAD connectors portfolio, RuleDesigner PDM Express – the solution designed for companies that are looking for a cost-effective solution for product data management - is now available for Pro/ENGINEER and PTC Creo users.

RuDesigner PDM Express, starting from 490 euro/year, allow users to design an homogeneous part-numbering method in short times thanks to a driven parametric classification and to part-numbers automatic generation. In addition, it gives user the possibility to have a centralized repository of data, well structured and organized in folders, as well as configurable part-number approval workflows and title-blocks automatic filling in with customized properties.

Moreover, by integrating the additional module “Automation”, users have access to a BOM management environment, with functionalities to export data and synchronize them with external systems. Also, an environment is available to run batch operations, such as: printing lists of files, extracting and storing multiple files, file conversions, title-blocks and properties relocations.

Henceforth, Pro/ENGINEER Wildfire and PTC Creo users can benefit from RuleDesigner’s functionalities and directly access them by using the toolbar available within the CAD environment.

RuleDesigner is a trustworthy solution already used by thousands of users on a global scale. It is an independent solution already integrated with the most common 2D and 3D CAD system on the market. As a modular and scalable solution, RuleDesigner functional modules can be used by themselves or in an interconnected combination to provide a comprehensive PLM management.

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Solair PLM: the Made-in-Italy Cloud-Based Solution

24 September 2013

CIMdata PLM Industry Summary

[Solair PLM](#) is the new application developed by the Italian Company Solair to help Companies of all sizes to manage information, resources and processes through a true high security Cloud based system.

"B2C software keeps up with technological innovation and with consumer's needs, while the B2B software world has always shown a great resistance to change." explains Tom Davis, CEO of Solair. "We have introduced a reversal to this trend: even people who work in enterprises have the right to use solutions that are intuitive, easy to manage and, above all, accessible to everybody. Our B2B application has nothing to envy – in terms of quality, flexibility or simplicity - from the B2C software giants such as Google and Facebook. Our aim is to provide the tools to allow every organization to be more efficient, competitive and agile in responding to the ever faster changes in business".

Solair PLM was born from the idea to offer to customers a tool that is scalable, easy to use, quick to implement and easy to configure exactly to the companies requirements. The patent pending innovation is in the possibility for users to quickly customize their work environment on their own, without the need for particular IT skills.

Solair PLM, developed on Solair Platform, is available as a SaaS solution (Software as a Service). Since it is Cloud-based, you do not have to invest in hardware and software, or in maintenance support. Users access the application from an Internet-ready pc or mobile device, through a secure connection via a modern web browser, at any time and wherever they are. There is no need install anything locally and updates are automatic, allowing everyone to always use state-of-the-art technology.

Solair PLM says stop to long implementations: to get started you only need an internet access and just a few days (2/3) for the configuration.

Solair PLM allows companies to vary the number resources that use the application in line with current production and engineering needs, thanks to the pay per use model ensuring customers really pay only for what they need. The application is suited for use across all company departments integrating with the IT solutions already present in the company, such as the most common CAD systems, MS Office and other manufacturing and business systems, etc.

Solair PLM also allows contractors, suppliers and customers to easily be integrated into the company's processes thanks to the high security features that manage access and authorizations, so the benefits of PLM can be realized across the whole supply chain.

"Solutions that Get the Job Done, ensure the Benefits are Accessible and Happy Users. These are our guidelines in developing our solutions" says Valeria Naldi, R&D Director of Solair. "To create Solair PLM, we have put together a team with a wide range of skills, from graphic design to engineering and IT. We have also worked very closely with our Pioneer group of customers selected from diverse manufacturing sectors, ensuring we have created a solution that is really what users need. What is most appreciated by our customers is the flexibility of Solair PLM, to be able to very quickly and easily

'customize' it on their own to make it fit their specific company and user needs.

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Tata Technologies offers “Realistic Simulation” by Augmenting its Product Portfolio in India with Dassault Systèmes' SIMULIA®

23 September 2013

Tata Technologies, a global leader in product lifecycle management (PLM) and engineering services through its partnership with Dassault Systèmes has further expanded its principal suite of software solutions with the latest addition of SIMULIA realistic simulation applications that help minimize cost and time during the critical phases of product research and design. Tata Technologies has been leveraging Dassault Systèmes offerings for over two decades and is resolute in its commitment to integrate years of real-world experience with Dassault Systèmes' 3DEXPERIENCE platform to help clients around the world flourish through the entire product lifecycle.

SIMULIA applications deliver significant value during the foundational and advanced stages of processes such as finite element analysis, multi-physics, process automation, and design optimization. The robust and scalable SIMULIA portfolio comprises of simulation applications such as CATIA Analysis, SIMULIA Abaqus product suite for Unified Finite Element Analysis, multi-physics solutions as well as lifecycle management solutions to manage large volumes of simulation data, intellectual property and other integral processes.

Samir Yajnik, President Sales & COO Asia Pacific, Tata Technologies said, “This augmentation to our diverse solutions portfolio reiterates our commitment to provide superior value at all stages of research, design and development of engineered products. SIMULIA is a powerful tool that will help our existing and new customers gain a competitive advantage by accelerating the development time and improving product reliability and safety while fostering innovation.”

Commenting on the adoption, Dr. Chandan Chowdhury, Managing Director-India, Dassault Systèmes said, “The extension of the portfolio offerings to include SIMULIA applications will help Tata Technologies take a consolidated offering for product development to their customers. We are confident that this adoption will help Tata Technologies support their customers in delivering innovative, high-quality products to market faster. Tata Technologies' customers will be able to use a virtual environment to test the quality and robustness of their products, avoid physical prototyping, reduce their product development cycle times and identify alternative reliable materials.”

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Team Design for OrCAD from EMA Design Automation Gets Hierarchy and Library Support

24 September 2013

CIMdata PLM Industry Summary

EMA Design Automation (ema-eda.com) is announcing release 2.0 of Team Design for OrCAD®. “Many of our customers design their electronics with a team of engineers, but too much time is devoted to coordination rather than designing,” said Manny Marcano, president and CEO of EMA. “This release of Team Design for OrCAD gives these teams a new level of management and control over the design process to increase team efficiency and reduce time-consuming errors.”

Team Design for OrCAD 2.0 now supports a hierarchical design methodology. This design process is often used for top-down design. A manager or team leader has the ability to assign functional blocks to different team members for concurrent design. Individual engineers can work on their portion of the design independently from others on the team, yet they retain read-only access to the rest of the design. As changes are uploaded back to the master design, a full history of changes is maintained so that reasons for changes are documented, and any portion of the master design can be rolled back to a previous version.

Another challenge for teams is managing their symbol libraries and keeping track of changes. Team Design for OrCAD can now manage an OrCAD symbol library in much the same way as it manages a design. Individual symbols or a group of symbols can be extracted and assigned to a team member. After changes are made, the symbols can be promoted individually or in bulk to a central library location. As with design changes, library changes and change history is maintained allowing traceability and rollback in the future.

“Team Design for OrCAD is built right into OrCAD Capture, so users should be able to start using it quickly with a very short learning curve,” said Josh Moore, director product marketing, Cadence OrCAD Solutions. “In today’s world of shortened design times, the productivity gains and quick start-up capability will be a welcome addition to any OrCAD design team.”

“We also recently expanded the capabilities of EMA’s EDABuilder to now include symbol, footprint, and STEP model output,” added Marcano. “With these advancements and those in Team Design, we have created a very comprehensive and highly productive environment for design engineers.”

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ZWCAD+ Partners with Lightworks to Release Artisan: High-quality Rendering for ZWCAD+
26 September 2013

[ZWCAD Design](#) announced that it has established a technology partnership with [Lightwork Design](#) (Lightworks), a supplier of rendering solutions for developers of advanced 3D computer graphics software. Lightworks’ powerful rendering application [Artisan](#) offers [ZWCAD+](#) users a more realistic way to present their ideas for architectural and interior design.

Rendering Gains Popularity in Architectural and Interior Design Industries

CIMdata PLM Industry Summary

Rendering is one of the most popular and flexible tools that is used in the planning and development of construction plans. It allows architects and planners to view the construction and interiors before a single brick is laid, whilst clients have the opportunity to see their projects before investing in them. The approach is cost and time-effective with fewer changes needed at the construction stage.

“3D visualization enhances the sense of reality by leveraging the power of today’s rendering technology whilst also enhancing the effects that are difficult to achieve using 2D alone,” said Daniel Huang, Product Manager of ZWCAD+. “With the combination of Artisan and ZWCAD+, users can flexibly handle more diverse architectural and interior tasks using high-quality rendering.”

Enabling ZWCAD+ for High-quality 3D Rendering

ZWCAD+ users are now able to visualize their designs with Artisan rendering technology. Current drawings will be directly imported to Artisan, with no need to export the designs. Designers can explore and compare multiple effects in a more intuitive way, making architectural and interior tasks extremely flexible and efficient. Artisan’s Snapshots functionality allows designers to compare several iterations of the same design quickly; the unique ‘bridge’ into ZWCAD+ means that if the model changes, the render will reflect this change automatically. The simplified workflow requires fewer steps to complete rendering tasks, resulting in a shorter design cycle and a faster time to market.

“We can see the 3D design function in ZWCAD+ is getting improved with the addition of the Artisan technology,” said Daniel. “And we are confident that in the coming days, more users will be able to enjoy additional custom design solutions that integrates ZWCAD+’s powerful CAD capability.”

David Forrester, Chief Executive Officer of Lightworks commented, “We’re delighted to be partnering with ZWCAD+. Their extensive global distribution network helps bring our easy-to-use rendering technology Artisan to all the ZWSOFT users worldwide. Coupled with their growing user base, I’m confident the partnership with ZWCAD+ will be a great success.”

Lightworks Artisan will be available for ZWCAD+ 2012. Please stay tuned with ZWSOFT [Facebook](#).

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