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Acquisitions

3D Systems Acquires CRDM

21 August 2013

3D Systems announced today that it has acquired CRDM, Ltd., a leading UK provider of rapid prototyping and rapid tooling services based in Bucks, England. The company intends to immediately integrate CRDM into its global Quickparts Solutions custom parts and manufacturing services. The terms of the transaction were not disclosed.

CRDM, Ltd. designs, prototypes and manufactures parts and tooling for a variety of automotive, aerospace, medical device and motorsports applications, including F1. With almost two decades of experience and a loyal customer base, CRDM extends 3D Systems' offerings and its footprint in the UK, further positioning the company at the center of the rapidly growing, direct manufacturing opportunity.

"CRDM is a strategic and geographically important addition to our rapidly growing 3D content-to-print services portfolio," said Ziad Abou, Vice President and General Manager, Quickparts Solutions, 3D Systems. "With a proven track record in advanced manufacturing and rapid tooling, CRDM complements and expands our extensive range of custom parts services."

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About 3D Systems Corporation

3D Systems is a leading provider of 3D content-to-print solutions including 3D printers, print materials and on-demand custom parts services for professionals and consumers alike. The company also provides CAD, reverse engineering and inspection software tools and consumer 3D printers, apps and services. Its expertly integrated solutions replace and complement traditional methods and reduce the time and cost of designing new products by printing real parts directly from digital input. These solutions are used to rapidly design, create, communicate, prototype or produce real parts, empowering customers to manufacture the future.

About CRDM

CRDM is a leading U.K provider of 3D printing, rapid prototyping and tooling services for industry, across sectors including automotive, aerospace, medical and defense. The company specializes in delivering high quality components for prototype, pre-production and full production requirements, backed up by 18 years of experience in rapid prototyping and tooling industries.

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3D Systems completes acquisition of Phenix Systems laser sintering technology

22 August 2013

3D Systems based in Rock Hill, South Carolina, USA, has completed its acquisition of Phenix Systems, a leading global provider of Direct Metal Selective Laser Sintering 3D Printers based in Riom, France. The company paid \$15.1 million for 81% of the share capital and will seek to purchase the remaining shares and voting rights in accordance with the requirements of the French Markets Authority.

Phenix Systems designs and manufactures proprietary Direct Metal 3D Printers that print chemically pure, fully dense metal and ceramic parts from very fine powders with a particle size ranging from 6 to 9 microns. Materials include stainless steel, tool steel, super alloys, non-ferrous alloys, precious metals and alumina for a variety of aerospace, automotive and patient specific medical device applications. Phenix Systems strengthens 3D Systems offerings and immediately positions it at the heart of these rapidly growing direct manufacturing opportunities.

“Phenix Systems is a strategic and differentiated addition to our extensive 3D content-to-print portfolio and we are thrilled to deliver these powerful solutions to our customers,” stated Avi Reichental, President and CEO, 3D Systems. “Our proven track record in advanced manufacturing, combined with Phenix Systems extensive metals technology and expertise represents a true game-changer that empowers our customers to manufacture the future.”

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Autodesk Expands Infrastructure Design and Analysis Portfolio With Acquisition of Sam and

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AutoTrack Software

19 August 2013

Autodesk, Inc. is expanding its portfolio of technology for Building Information Modeling (BIM) for infrastructure following the completion of the acquisition of certain technology assets from two UK-based software companies. From Bestech Systems Limited, Autodesk has acquired technology including Sam, a suite of software modules for loading, analysis and design of small and medium span bridges. From Savoy Computing Services Ltd, Autodesk has acquired technology including AutoTrack, a suite of software for vehicle swept path analysis and the design of parking areas and roundabouts. Terms of the transactions were not disclosed.

"Through these acquisitions, Autodesk is now positioned to offer a much more comprehensive portfolio of infrastructure software that will accelerate the adoption of BIM in transportation design," said Amar Hanspal, Autodesk senior vice president of Information Modeling and Platform Products. "The addition of Sam and AutoTrack to Autodesk will also advance road and bridge workflows with model-based design and analysis software. We welcome employees, customers and partners of Savoy and Bestech to the Autodesk community."

While Autodesk integrates the Sam and AutoTrack technology into its portfolio, the current products will remain available to new customers. Existing customers will continue to be supported by Bestech Systems and Savoy Computing Services.

Bestech Systems is an established provider of software for bridge design and construction based in Cheshire, UK. The Sam suite of software is widely used around the world by bridge designers and engineers for load analysis in the design of small to medium span bridges. Sam software helps save time, increase accuracy and improve consistency of data during the analysis phase of bridge design.

Savoy Computing Services, based in Kent, UK, is the creator of AutoTrack, the most widely-used software for vehicle swept path analysis. The AutoTrack suite of software modules for road, light rail, airport, parking and intersection analysis and design is used for infrastructure planning by architects, designers and engineers. AutoTrack provides features to analyze the movements of steered vehicles, light rail vehicles and aircraft, as well as to design car parking areas and roundabouts while drafting in AutoCAD-based environments including AutoCAD, AutoCAD Civil 3D, and AutoCAD Map 3D. Savoy Computing is an Autodesk Industry Partner and a member of the Autodesk Developer Network.

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Autodesk Unveils New Autodesk Point Layout Software to Boost Accuracy and Productivity at Construction Sites

22 August 2013

Autodesk, Inc. has completed the acquisition of technology assets from Colorado-based Get The Point, LLC and today introduced Autodesk Point Layout, new software for layout at construction sites. The move strengthens Autodesk's construction solutions portfolio and extends Building Information Modeling (BIM) further into the field. The acquisition and product release underscore the company's efforts to transform the construction industry using BIM from the earliest stages of design all the way through project delivery and building operations. Terms of the transaction were not disclosed.

Autodesk Point Layout automatically creates points from BIM and CAD models within Autodesk Revit, Autodesk AutoCAD and Autodesk Navisworks software. The point data drives robotic total station hardware, such as Topcon's line of positioning systems and related hand-held devices or tablets, to give contractors and sub-contractors laser-guided pinpoint accuracy for the placement and verification of building elements.

By removing error-prone manual layout techniques, Autodesk Point Layout improves field accuracy and productivity, as building designs are more accurately and quickly brought to life at the construction site. The result is faster construction, which helps building projects get completed on-time and on-budget. With fewer people on site for less time, Autodesk Point Layout also helps improve construction site safety.

In combination with the cloud-based Autodesk BIM 360 portfolio for field management and coordination, Autodesk Point Layout adds another vital element in improving construction industry productivity.

"BIM continues to transform the building industry in new and important ways. Connecting the digital model to the physical site is a key step in achieving efficiency and accuracy on the job site and across all aspects of the project," said Amar Hanspal, senior vice president, Information Modeling and Platform Products Group, Autodesk. "Autodesk Point Layout is a big step in advancing that effort. More broadly, it's part of Autodesk's expansive arsenal of tools to extend BIM and its productivity gains into all parts of the workflow, including construction."

Customers using the technology on which Autodesk Point Layout is based have reported significant savings in layout time and cost. Beyond cost and time savings, the increased accuracy of Autodesk Point

CIMdata PLM Industry Summary

Layout means higher quality work, less manpower required and a smoother, safer project environment for contractors.

“On a recent project, PCL achieved a 27 percent reduction in waste, directly attributed to using the technology found in Autodesk Point Layout on concrete foundations,” said Nick Kurth, Virtual Construction Manager, PCL Construction. “This is a powerful way to extend our BIM workflow to the construction site, and we expect we can see similar – or better – savings as we use the new Autodesk software on future jobs.”

Total stations use a combination of GPS, laser-powered optics, wireless communications and now BIM to verify field placements to precise points on the jobsite for construction elements such as foundation corners and concrete-to-steel framing interfaces. Autodesk Point Layout can also quickly and accurately locate hangers used to support complex, pre-assembled duct work and piping in a concrete slab. General contractors can use the software to back-check work from subcontractors as part of their quality control process. Data can also be relayed from the total station back into the model to capture and maintain real-world conditions.

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Company News

Agilent Technologies Announces Expanded Business Relationship with Gradient Design Automation

19 August 2013

Agilent Technologies Inc. has announced a new agreement that expands its business relationship with Gradient Design Automation, a leading provider of electro-thermal simulation technology used to identify hazards and improve performance in integrated circuits that will be subject to temperature variations during operation.

As part of the agreement, Agilent has increased its financial commitment in exchange for increased access to Gradient's technology. In 2012, Agilent introduced a version of Gradient's technology integrated within its Advanced Design System software as part of a comprehensive multi-technology solution for RFIC and MMIC development.

"After we selected Gradient's technology and launched an integrated solution last year, our customers responded so enthusiastically we decided to expand our relationship with Gradient," said Todd Cutler, general manager of Agilent EEsof EDA. "With thermal issues now one of the toughest challenges facing our customers working on power amplifier IC designs, electro-thermal simulation technology has become a critical part of our product portfolio."

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"We are excited to expand our relationship with the market leader in RF and microwave design software," said Ed Cheng, president of Gradient. "In addition to system-on-chip and custom IC applications that Gradient has traditionally targeted, this agreement further validates the benefits of our technology for high-frequency applications."

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Autodesk Certifies Cadline for Civil Infrastructure

23 August 2013

Cadline Ltd, today announced that it has earned the new Autodesk civil infrastructure specialization designation for value added resellers from Autodesk, Inc., a world leader in 3D design, engineering and entertainment software. As an Autodesk specialized partner, Cadline 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 AEC, process and plant, structural analysis and manufacturing industries.

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

"The civil infrastructure specialization awarded by Autodesk extends our reputation as the leading provider of consulting services to the infrastructure, construction & utilities industries." said Richard Robertson, business development director at Cadline Ltd. "This specialization recognizes our ability to integrate Infrastructure and GIS into the BIM workflow, continues to strengthen our value proposition and ensures clients receive best in class industry and product expertise."

About Cadline Ltd

Cadline Ltd is a platinum awarded Autodesk partner, specializing in the supply of innovative design technology and associated consultancy, integration and professional services. With 8 regional training centers, Cadline is also the largest Autodesk authorized training center in the UK training in excess of 3,500 delegates per year.

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AVEVA sponsors Korean universities' ship design contest

19 August 2013

AVEVA announced today that it is sponsoring The Society of Naval Architects of Korea (SNAK) 22nd Korean universities' ship design contest. Many teams from Korean universities will compete to design marine vessels and most of them will use AVEVA Marine™ software for this competition. Representatives from DSME have set the two assignment categories and the Ship and Offshore Design Research Committee, the affiliated committee of SNAK, will judge the assignments. The categories are:

CIMdata PLM Industry Summary

The design of a Kamsarmax Bulk Carrier

A 'freestyle' assignment for the design of a Smart Ship.

'We are delighted that AVEVA is sponsoring the SNAK ship design contest,' said JeYang Ryu, Secretary of SNAK. 'These awards encourage a new generation of ship designers and we thank AVEVA for its support in supplying the software for this event. By working together, we are making a considerable contribution to the future success of shipbuilding within Korea.'

'As a technology and software company we feel committed to developing the pool of talented young engineers who will become tomorrow's professionals,' said Eunjoo Park, Senior Vice President, Korea & Japan, AVEVA. 'As part of our Academic Initiative we are delighted to work with SNAK to nurture engineering students within shipbuilding and we look forward to seeing the submitted designs. This initiative demonstrates our continued support and investment in the Korean marine industry, which we believe will reap rewards for the industry and for the next generation of engineers for many years to come.'

The competition will begin at the end of September 2013 with assignments to be submitted in October and award winners announced in November. Further information can be found at www.snak.or.kr/eng/index.html.

The AVEVA Academic Initiative benefits educational institutions, their students, employers, and the global engineering community. AVEVA's educational partners range from local vocational training centres to the world's most prestigious postgraduate universities. Common to all is a dedication to developing engineering skills that can be applied directly in the process plant, power and marine industries.

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CADspace becomes third Solidworks reseller in Australia

19 August 2013

The Sydney-based CAD/CAM/CAE software specialist, CADspace, has been named as the newest reseller to provide the Australian market place with Dassault Systemes Solidworks software products.

CADspace is a privately owned Australian company that has been working in CAD/CAM software for over two decades during which time they have exclusively provided other international software products. "CADspace is delighted to have been chosen by Solidworks to represent them in Australia. It is not often that they decide to nominate a new reseller," says company Founder and Managing Director, Steve Thomas.

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"There have been two resellers for some time now. You could call us a '20 year overnight success'. We have customers in mechanical design, engineering services, manufacturing and tool making across many industries including automotive, aerospace, agriculture, energy, marine, motor sport and transport."

"At CADspace we have a comprehensive understanding of Design To Manufacture (D2M) and Product Lifecycle Management (PLM) for all of these industries. We provide them a competitive advantage to help them grow both locally and in the global market place."

Thomas says the company is very targeted about the people it wants to help. It has located its office close to the industrial heartland of Sydney and will be focusing on Greater Western Sydney. "We are passionate about helping Australian companies involved in product design, engineering services and manufacturing to be as competitive and as profitable as possible," said Thomas. "We believe that these industries can become sought after as high-level innovators and developers by the biggest names in the Global Village."

CADspace is selling and supporting SolidWorks Professional, SolidWorks Premium, SolidWorks Simulation and SolidWorks Enterprise PDM.

Thomas says that in addition to the Solidworks technology, CADspace offers a full gamut of services including a dedicated support engineer, tailored support service, on-site training and online webinar training.

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DfR Solutions and Dassault Systemes Announce Strategic Alliance

20 August 2013

DfR Solutions today announced a strategic alliance with Dassault Systemes. Sherlock Automated Design Analysis(TM) software will integrate with Abaqus Finite Element Analysis (FEA) from Dassault Systemes realistic simulation application (SIMULIA) to create an unparalleled tool empowering electronics manufacturers to develop better, more reliable products while reducing product development time and cost.

Sherlock is the first-of-its-kind Automated Design Analysis software for analyzing, grading, and certifying the expected reliability of products at the circuit card assembly level. It is used by the electronics industry across all markets. The integration between Abaqus simulation results and Sherlock reliability predictions for electronic designs will give customers the ability to directly post-process Abaqus output databases (.odb). This will enable customers to leverage the sophistication of the Abaqus solver along with the unique Physics of Failure design analysis of Sherlock. Sherlock can rapidly and

CIMdata PLM Industry Summary

accurately predict time to failure in electronic assemblies subjected to a variety of vibration and shock environments.

"Bringing together the specific technical strengths of the two design tools will bring enormous value to electronics manufacturers across industry," stated DfR Solutions CEO Craig Hillman. "This combined capability will greatly increase the number of high-technology companies performing mechanical analysis of their product and result in the substantial reduction in time required to develop design rules from approximately four weeks to four hours."

As part of the Dassault Systemes 3DEXPERIENCE platform, SIMULIA applications enable users to leverage physics-based simulation and high-performance computing to explore real-world behavior of products, nature, and life. The Abaqus Unified FEA product suite offers powerful and complete solutions for both routine and sophisticated engineering problems covering a vast spectrum of industrial applications.

"DfR Solutions has a worldwide reputation of excellence in component testing and failure analysis. Their Physics of Failure based Sherlock Automated Design Analysis(TM) software is groundbreaking," said Dennis Corain, Manager Alliances and Partnership, SIMULIA, Dassault Systemes. "We believe in the enhanced value that an integrated Sherlock/Abaqus solution can improve product development for customers in the electronics and high-tech industries."

About DfR Solutions, LLC:

DfR Solutions has world-renowned expertise in applying the science of Reliability Physics to electrical and electronics technologies and is a leading provider of quality, reliability, and durability (QRD) research and consulting for the electronics industry. The company's integrated use of Physics of Failure (PoF) and Best Practices provides crucial insights and solutions early in product design and development and throughout the product life cycle. DfR Solutions specializes in providing knowledge- and science-based solutions to maximize and accelerate the product integrity assurance activities of their clients in every marketplace for electronic technologies (consumer, industrial, automotive, medical, military, telecom, oil drilling, and throughout the electronic component and material supply chain). For more information regarding DfR Solutions, visit www.dfrsolutions.com.

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EPLAN Integrated into Teamcenter

20 August 2013

Since mid-April, EPLAN has been an official Siemens PLM Solution Partner. The aim of the partnership is to offer an interface between two market-leading systems - EPLAN and Teamcenter. This integration closes a loophole in the PLM process through the configuration data for the EPLAN Platform can now be processed in Teamcenter. Companies from different industries can benefit from this integrated approach which forms part of a consistent product creation process. "The new Teamcenter integration opens up lots of doors for us in the growing PLM solutions market," reports

CIMdata PLM Industry Summary

Maximilian Brandl, chairman of the Executive Board of EPLAN.

As part of this partnership, these companies have developed a sophisticated, future-proof integration of the EPLAN Platform into the Teamcenter PLM environment. Maximilian Brandl is pleased with the development, "In line with the partner program, EPLAN and Siemens Industry Software GmbH & Co. KG have together proven their strengths. The integration of the EPLAN Platform into Teamcenter opens up lots of doors for us in the growing PLM solutions market. Our joint customers can also benefit greatly from this increased consistency." Urban August, senior vice president and managing director of Siemens Industry Software GmbH & Co. KG, also sees plenty of benefits for his customers, "The integration of EPLAN into Teamcenter allows our customers to optimize interdisciplinary cooperation and use Teamcenter as a consistent platform for all those involved in the product life cycle."

Various Systems Combined

Electrical design is considered an important element of the product creation process. EPLAN has developed a universal module in order to integrate the EPLAN Platform into PLM systems. The Teamcenter integration unit linked to this module now embeds the EPLAN Platform solutions seamlessly into the PLM environment. This makes electrical engineering part of the digital product model and allows companies to achieve comprehensive product lifecycle management across all disciplines.

Increased Process Reliability

The integrated working method increases data consistency not only in the product development process, but also throughout the product lifecycle. Because of the comprehensive and consistent basic data, areas such as maintenance and repairs can be given optimum support, which is reflected directly in reduced times and costs. Transparency is another factor. There is direct access to the complete digital product model, even if the product development process is distributed across different countries, this secures permanent data exchange and, at the end of the day, ensures reliability and quality in the entire product creation process.

"The integration of EPLAN into Teamcenter allows our customers to optimize interdisciplinary cooperation and use Teamcenter as a consistent platform for all those involved in the product life cycle," explains Urban August, senior vice president and managing director of Siemens Industry Software GmbH & Co. KG.

About EPLAN

EPLAN Software & Service develops engineering solutions, which accelerate the product development process. Interdisciplinary expert systems assure the highest degree of productivity and data integration. The solution provider develops customer-specific and tailor-made PDM and PLM concepts and provides comprehensive services such as customizing, consulting and training. Innovative development competence, a consistently practical approach, and international presence are the resulting success factors. EPLAN is part of Rittal International and thus of the Friedhelm Loh Group with 11,500

CIMdata PLM Industry Summary

employees worldwide and generated revenues of about 3 billion USD in 2011. EPLAN is therefore synonymous with continuity and investment security. Eight offices in North America and company presence in 50 countries support 35,000 customers with 95,000 installations worldwide. The corporate motto - 'Efficient Engineering' - underlines the proficiency of optimized, efficient processes, which keep companies competitive in the long term.

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JETCAM announces UK expansion

20 August 2013

Following on from JETCAM Composite GmbH's formation earlier in the year, JETCAM International s.a.r.l. today announced the foundation of JETCAM UK Limited. The business has been created as a separate entity due to an increase in demand in both the sheet metal and composite manufacturing industries.

The new company will provide both pre and post sales services, including training and technical support. JETCAM UK Limited, a separately owned company, will offer the complete range of JETCAM CAM, nesting and material management products, including JETCAM's flagship composite and sheet metal manufacturing suite, CrossTrack.

A new support infrastructure has been rolled out to coincide with the company's foundation. In addition to traditional on-site support customers can request a virtual engineer who can be connected to their PCs within 30 seconds. Said Martin Bailey, General Manager of JETCAM International s.a.r.l.; "Customers often have a 'how do I' moment. By having an engineer connect remotely in seconds, our customers can get answers to most questions and get on with running their business."

He added; "The UK has always been an important market for us, as many high level engineering technologies are developed here. Despite what you read in the general media UK PLC is alive and well when it comes to manufacturing, with recent (July 2013) government figures citing growth hitting a two-year high. JETCAM UK Limited is in a great position to assist these companies in accelerating that growth."

About JETCAM International s.a.r.l.

JETCAM International has been developing and distributing its JETCAM Expert range of CAD/CAM software since 1986. In use in over 80 countries worldwide, JETCAM Expert software supports virtually every CNC punching, laser, plasma, routing, waterjet and flatbed cutting machine available today, allowing users to program any combination of CNC machines with a single CAM system. The software has received various accolades and awards due to its high level of automation and fast return on investment.

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KPIT Cummins Joins Infor Partner Network

19 August 2013

KPIT Cummins a provider of IT consulting and product engineering solutions and services to automotive & transportation, manufacturing and energy & utilities corporations, today announced it has joined the Infor Partner Network (IPN) to re-sell and service Infor's leading business application software. Infor will leverage KPIT's capabilities in enterprise consulting to enhance sales and strengthen services around its product suites in India, Sri Lanka and Bangladesh.

-- The partnership will expand the geographic reach of Infor and its products in the fast growing geographies of India, Sri Lanka and Bangladesh

-- Infor will leverage KPIT's industry specialization to strengthen partnerships with key industries namely manufacturing, automotive and specialized products

-- KPIT will market, implement and service Infor products, to deliver to customers the benefits of over 10 years' of experience and extensive expertise in rapid deployment and custom solution development

-- The IPN is an industry leading program, which focuses on helping Infor channel partners run successful businesses based around supplying Infor products and services, enabling partners to deliver the highest quality support for Infor customers

-- In 2012, Infor delivered more than 100 new products, including a number of Infor10 Industry Suites; applications specialized by industry featuring Infor10 ION technology, which uses open standards to integrate Infor and non-Infor applications

-- In 2013, Infor has so far introduced 300 new products, including Infor 10x and Infor Ming.le, which is an increase of more than 150% over the previous year. In addition to new products this year, Infor plans to deliver at least twice as many features and enhancements and four times as many integrations to Infor and 3rd party applications through Infor ION, the company's lightweight middleware platform, than in the previous year

“We are happy to be part of the Infor Partner Network (IPN) that will allow us access to Infor's innovative tools and resources,” said Anil Nashikkar, Vice President, Integrated Enterprise Solutions, KPIT Cummins. “Infor10 Industry Suites are preconfigured by industry, minimizing the need for extensive customizations thereby eliminating any scope of delayed implementations and reducing costs of implementations. From demand generation to sales, delivery and support, we have fantastic support from Infor to put us in a strong position to win.”

CIMdata PLM Industry Summary

“The Infor Partner Network continues to help our partners rapidly build profitable and sustainable businesses around Infor applications,” said Jeff Abbott, vice president, Global Alliances and Channels, Infor. “Through the IPN program and innovative product developments like Infor ION and Infor Ming.le, along with out-of-the box industry-specific functionality, Infor partners are armed with superior products and support to help them win deals and grow their revenue. With double-digit year-over-year growth, the channel remains among Infor’s fastest growing segments.”

Infor is the world's third-largest supplier of enterprise resource planning applications and services, with more than 70,000 customers. Approximately 20% of Infor’s license revenue is generated through channel partners in the IPN.

About KPIT Cummins

KPIT Cummins, a global IT consulting and product engineering partner, is focused on co-innovating domain intensive technology solutions for corporations specializing in automotive & transportation, manufacturing and energy & utilities. A leader in technology solutions and services, KPIT currently partners with 180+ global corporations including Original Equipment Manufacturers (OEMs), semiconductor companies and Tier 1 companies. For more information, visit www.kpiticummins.com.

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Mastercam Announces 8th Annual Innovator of the Future Winner

22 August 2013

CNC Software, developer of Mastercam CAD/CAM software, has announced the winner of its 2012-2013 Innovator of the Future (IOF) competition: Jacob Ringwald, a student at the Arizona State University (Mesa, AZ).

Mastercam’s IOF competition helps introduce students to real-world manufacturing by challenging them to put their own creative twist on a specific part to be judged by a special guest from the manufacturing industry.

For the 2012-2013 competition, students designed and machined their choice of parts: a connecting rod, racing wheel, or short shifter, and were judged by VAC Motorsports, the world’s ultimate source for serious BMW performance and racing parts. The winner received a \$1,000 check for school expenses, Mastercam software, and a trip to visit VAC Motorsports to spend the day on the race track with them.

Tony Salloum, Owner of VAC Motorsports says, “The decision was not an easy one I have to admit. All of the candidates did a wonderful job with their parts and every part submitted could have won.”

However, Tony picked Jacob’s short shifter which was designed in the shape of a baseball. “I feel this

CIMdata PLM Industry Summary

part shows a lot of talent. The part was not easy to draw with all of the details, and even more difficult to execute. The detail in the stitching was excellent, and the overall finish is very nice. The part was the most difficult and it truly showed talent and creativity.”

Of his winning part, Jacob says, “I have always loved the game of baseball. The IOF competition allowed me to use my skills and creativity to design and make a shifter knob from a sport I love.”

For more information on the Mastercam Innovator of the Future competition, please visit www.mastercam.com/IOF. To learn more about VAC Motorsports, go to www.vacmotorsports.com.

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Randall Newton Joins TenLinks as Managing Editor

20 August 2013

TenLinks, Inc. announces that industry veteran Randall Newton will be joining TenLinks to serve as Managing Editor.

Randall will help TenLinks produce original content and commission articles and reviews. Subjects will include CAD, CAM and CAE products and services, as well as industry trends, movers and shakers, trade show coverage and more. Randall was formerly an analyst and managing editor at Jon Peddie Research. He has held positions of editor-in-chief, publisher, contributing editor, more, for publications such as CADCAMNET, Engineering Automation Report, AECNews, MicroStation Manager and CADD Times

Ralph Grabowski will move to the Senior Editor position, where he will be adding his considerable technical expertise to interviews, editing and reviews. "I am delighted to add Randall's immense industry and publishing experience to our growing editorial program," says Roopinder Tara, TenLinks president and CEO.

"TenLinks has been at the forefront in covering the engineering software industry for many years," says Randall. "It is an honor to join their editorial team."

About TenLinks, Inc.

TenLinks, Inc. is a CAD, CAM and CAE online media company, founded in 1999. TenLinks' network includes several websites and newsletters, including TenLinks Daily the Internet into TopTen lists. In addition, TenLinks, Inc. includes CADdepot, CADDigest.com, FreeCAD.com, and CADtalent.com. Find out more information at www.tenlinks.com/about.

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SITECH to Sell Trimble Products in Peru

23 August 2013

Trimble announced that a SITECH Technology Dealer has been established in Peru. SITECH Peru joins the premier network of SITECH dealerships—the first fully dedicated global distribution network offering the most comprehensive portfolio of construction technology systems available to the heavy civil construction contractor.

SITECH Technology Dealers represent Trimble and Caterpillar machine control systems for the contractor's entire fleet of heavy equipment regardless of machine brand, along with Trimble's portfolio of Connected Site solutions—site positioning systems, construction asset management services, software and powerful wireless and Internet-based site communications infrastructure.

The experienced construction professionals at each SITECH Technology Dealership can advise contractors on the appropriate construction technology solutions to utilize, and can provide high-quality local customer service, personalized training and technical support. As authorized dealers for Trimble site-wide solutions and Caterpillar's machine control systems, the SITECH Technology Dealers understand how to apply innovative construction technology to help solve a variety of contractors' construction challenges. Leveraging technology, contractors can gain greater insight into their operations, enabling them to lower operating costs and improve accuracy, safety and productivity.

Through the adoption of construction technology, contractors can experience new levels of productivity that enable more competitive bidding on projects. SITECH Technology Dealers offer the most advanced and complete set of tools to revolutionize the construction workflow.

Trimble is establishing a SITECH Technology Dealer network in the Americas, Europe and Asia / Pacific regions. SITECH Peru will serve heavy civil construction contractors in Peru involved in a range of earthmoving applications such as the construction of roads, highways, railways and airports as well as site prep for large commercial, industrial and residential projects.

About SITECH Peru

SITECH Peru is now a part of the worldwide SITECH distribution network, which offers consultative advice on construction technology solutions, customized training, data services, installation, service and technical support.

About Trimble's Heavy Civil Construction Division

Trimble's Heavy Civil Construction Division is a leading innovator of productivity solutions for the heavy civil construction contractor. Trimble's solutions leverage a variety of technologies, including

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global positioning system (GPS), construction lasers, total stations, wireless data communications, the Internet, and application software. As part of the Trimble Connected Site strategy, these solutions provide a high-level of process and workflow integration from the design phase through to the finished project—delivering significant improvements in productivity throughout the construction lifecycle.

About Trimble

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location—including surveying, construction, agriculture, fleet and asset management, public safety and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office. Founded in 1978, Trimble is headquartered in Sunnyvale, Calif.

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Tekla Campus Online Announced for BIM Students

21 August 2013

Tekla is opening Tekla Campus, an online academy for students for learning Tekla’s building information modeling (BIM) tools. Tekla offers students an opportunity to download Tekla Structures Learning edition, a free student license of the BIM software. The students can use the fully functional software for self-learning, school projects and course work. In addition to the software, Tekla Campus offers learning material, video tutorials, and a discussion forum for peer support and sharing thoughts.

“Students who know BIM can get better jobs, and are more proficient with the tools that industry uses now and in the future. I would learn BIM if I were a student today,” says Michael Evans, director of engineering & key accounts at Tekla.

The students who start building information modeling can participate in the student competition in Tekla Global BIM Awards this autumn.

About Tekla

With its software, Tekla drives the evolution of digital information models and thus provides more and more competitive advantage to the construction, infrastructure and energy industries. The company was established already in 1966, and today it has customers in 100 countries, offices in 15 countries, and a global partner network. Tekla was acquired by Trimble Navigation Ltd. in 2011.

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Zuken Expands in Poland

22 August 2013

Zuken, a global provider of electrical and electronic design software, announces plans for expansion in Poland with a new office in Krakow. The operation will eventually employ 10 people providing local sales, software development, and support.

Gerhard Lipski, general manager Zuken Europe, comments, “Our expanded presence in Poland gives us the resources we need to support the local operations of our key customers and to seek new customers. The strength of the country’s manufacturing and R&D base, coupled with growing business potential across a range of industries, make this an exciting time to enter the region.”

Initially, new account managers, Zygmunt Durda and Arkadiusz Bury, will extend Zuken's existing European team to offer Poland local sales and customer support.

The new office's initial focus will be on Poland's electrical design community. Zuken's industry-leading electrical and wire harness design solution, E3.series, and its data management software are ideally suited to meet the needs of major industries in Poland such as railways, energy, defense, control and measurement systems, and general transportation.

As part of an expansion strategy for Eastern Europe, the new Poland office will allow Zuken to pursue opportunities in the Czech Republic, Hungary, and the Baltics.

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ZWSOFT Achieves New Milestone by Fully Cooperating with Kyungil University

22 August 2013

ZWSOFT is pleased to announce that it has established a strategic cooperation with Kyungil University (KIU) in Korea to push the education quality to a higher level. ZWSOFT will support education and research projects by providing licenses of ZWCAD+ and ZW3D. Equipped with the latest technologies in design software, KIU will be more capable of cultivating world-class mechanical and architectural professionals and contributing substantially to the local and international CAD/CAM industries.

Specializing in mechanical, construction and automotive engineering, Kyungil University has been providing students with more value with a new education paradigm. After about five decades of development, they have succeeded in a hands-on-focused educational process, contributing approximately 60,000 graduates fully equipped to satisfy various requirements in actual business situations.

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Improving Students' Competitiveness with Advanced Design Software

Aiming at equipping students with the most advanced skills, ZWSOFT provides KIU with a full CAD/CAM solution to support mechanical and architectural education. With access to ZWCAD+ and ZW3D, students can experience the same design process as professionals worldwide.

Truman Du, CEO of ZWSOFT, highly appreciated the opportunity to cooperate with KIU, "This is another big contribution to global education following the cooperation with Tokyo University of Science in 2011. We are pleased to see more and more students using ZWSOFT products to create and test their designs just as professionals do. And it's our hope that this partnership will enable students to make a greater impact on the world through innovation and smart ideas."

"Using the latest CAD software makes it easier for students to take an innovative idea into reality," said Dr. Creed Eom, Professor of School of Architecture at KIU. "With ZWSOFT's powerful products and KIU's industry-based courses, KIU helps students stay competitive in a global labor market."

Adding Value to Education

In addition to the software offering, ZWCAD Korea and INFINIK, the authorized distributor of ZWCAD+ and ZW3D in Korea, will also provide technical assistance to KIU's research development. With their solid background in design and engineering, they will provide professional support and constructive suggestions to turn ideas into reality. They will also offer internship opportunities to KIU students to help them with career planning and put their theoretical knowledge into practice. Through this cooperation, both ZWSOFT and KIU will continue sharing mutual information on CAD technology improvements and Korean industrial trends.

About ZWSOFT

ZWSOFT is a world-renowned CAD/CAM solutions provider for the AEC and MCAD industries, with over 320,000 clients across 80 countries. Having the vision of being one of the world's leading CAD/CAM software providers, ZWSOFT is committed to providing cost-effective CAD/CAM software and services, by establishing a sustainable mutually-beneficial ecosystem for the industry.

Events News

CNC Software, Inc. Showcases Mastercam X7 at Westec 2013

23 August 2013

Westec 2013 attendees will get to experience the most powerful Mastercam machining software yet. Stop by booth # 2712 at the Los Angeles Convention Center in Los Angeles, CA, October 15-17 for a look at Mastercam X7, the latest Mastercam release. Mastercam X7 introduces many significant new capabilities, including the new Mill-Turn product, Renishaw Probing, and much more.

New Mastercam Mill-Turn

Mastercam's Mill-Turn product makes machining on today's high-powered turning centers and full-function machining centers simpler and easier than ever before. Mastercam Mill-Turn streamlines the programming process with intelligent job setups that are keyed to the exact machine in your shop. Intelligent work plane selection makes it easy to select the proper spindle and turret, and program your part with Mastercam's proven milling and lathe toolpaths.

Renishaw Probing

Mastercam X7 integrates Renishaw's Productivity+™ for in-process gauging. This uses a measuring probe on a machine tool to determine fixture offsets, orientation, and critical dimensions. Probing eliminates the need for tool presetters, expensive fixtures, and manual settings with dial indicators. It allows for machine offsets to be automatically adjusted, even during the machining process, to further enhance the manufacturing process.

New Lathe Dynamic Rough Toolpath

The Lathe Dynamic Rough toolpath is designed for hard materials cut with button inserts. The dynamic motion allows the toolpath to cut gradually, remain engaged in the material more effectively, and uses more of the surface on your insert, extending tool life and increasing the cutting speed.

Also available in Mastercam X7:

- The new Tool Manager, providing a whole new way to create and organize your tooling.
- Improved Backplot and Verify utilities that offer a more efficient workflow, better analysis tools, and more comprehensive toolpath support.
- Dynamic and OptiRough toolpaths with more efficient tool motion, including enhanced cut orders and faster calculation times.
- Multi-threading support extended to most 2D high speed toolpaths, resulting in faster toolpath processing.
- Oscillate motion for Curve and Swarf 5-axis toolpaths, improving your tool life by not always machining with the same area of the tool.

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Delcam CRISPIN to show latest footwear CAD/CAM in China and Vietnam

21 August 2013

Delcam CRISPIN will show the new versions of its design and manufacturing software for the footwear industry at seminars in China and Vietnam during September. The events will take place in Dongguan City, China, on 3rd September, and in Ho Chi Minh City, Vietnam, on 10th September.

Both seminars will feature previews of the upcoming new release of the ShoeCost footwear costing software, and demonstrations of the new ShoeCloud project management system and the latest release of the ShoeMaker 3D design software.

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Delcam CRISPIN is the world's largest supplier of CAD/CAM software to the footwear industry and is the only supplier able to provide a complete solution for the design and manufacture of lasts, uppers and soles.

The new version of the ShoeCost software allows improved prediction and management of the cost of footwear manufacture. Since the release of the original ShoeCost package several years ago, the product has become the market-leading footwear-costing solution, being trusted by a wide range of leading global brands. The 2014 version offers a more intuitive interface and integrates more closely with other Delcam CRISPIN CAD/CAM packages to streamline the design and manufacturing process, whilst still giving manufacturers better control over costs and profitability.

ShoeCost 2014 provides a clear breakdown of all the costs involved in footwear manufacture, making it easy to compare the actual cost of the shoe to the target cost. Costs can be included for cut pattern pieces and components, as well as for labour and overheads. The overall cost for the shoe changes dynamically when the simple drag and drop functionality is used to add or remove elements of the design, such as pattern pieces and components. This makes it easy for footwear professionals to stay within their target cost and to produce accurate costing reports quickly.

A key feature of ShoeCost 2014 is its flexible approach to reporting. Every footwear manufacturer has a unique set of needs when producing costing reports. Delcam CRISPIN has, therefore, made the interface fully customisable, enabling users to choose which tools to display and where to locate them on the screen, so making the software as easy to use as possible.

The ShoeCloud project management and collaboration software enables more efficient management of design and manufacturing data throughout the development of new shoe designs, either within a single company or along a supply chain. It also makes decision making more productive by giving the right information to the right people at the right time.

ShoeCloud can be integrated within the CRISPIN range of software for 3D footwear design and manufacture. Alternatively, for staff not directly involved in design and manufacturing, such as management or marketing departments, ShoeCloud data can be accessed through standard Web browsers and e-mail. This versatility allows ShoeCloud to speed and streamline communications at all levels, and so lead to quicker introduction of new designs.

The seminars will also include demonstrations of the latest ShoeMaker CAD software for 3D footwear design. The system is the only program to integrate the design of both uppers and soles in 3D, so allowing the complete shoe to be developed and visualized simultaneously. This is of particular benefit to companies making sports shoes and other designs with complex soles.

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Delcam's latest PowerINSPECT inspection and reverse engineering software at MMM

23 August 2013

Delcam will demonstrate the latest version of its PowerINSPECT software for inspection and reverse engineering at the GTMA Make Measurement Matter event to be held at Bristol City Football Club on 17th October. This includes enhancements to the inspection capabilities and also continues the development of the reverse engineering capabilities. The main enhancement in this area has been an expansion of the Digitized Curves capabilities to create a powerful re-engineering and modelling tool.

PowerINSPECT is firmly established as the world's leading hardware-independent inspection software. It combines the ability to work with all types of inspection device with a comprehensive range of inspection routines for taking simple measurements, for inspection of geometric features and for analyzing complex 3D surfaces. The resulting reports present detailed information in an easy-to-read format, that can be understood by all engineers not just inspection specialists.

PowerINSPECT can create efficient inspection sequences for use on dual-column CNC coordinate-measuring machines as part of the drive to make PowerINSPECT the preferred inspection software for all types of metrology equipment. It also offers unique dual-device inspection options that allow measurement with two portable devices at the same time. PowerINSPECT is believed to be the only inspection software that supports simultaneous operation of different types of device, including laser scanning, from different manufacturers.

Other enhancements in recent releases include improved handling of point-cloud data, group editing of probing parameters, graphical editing of boundaries for raster-based inspection, and easier measurement and marking out when using PowerINSPECT for clay modelling.

The automated section-measurement functionality, which was previously only available in the manual version of PowerINSPECT, is now available in both the OMV and CNC offline-programming versions. This strategy for creating probe paths along a section of the component provides quick and easy comparison of a cross-section against the CAD model. This type of section measurement is important for the measurement of blades and aerofoils, as well as for automotive inspection.

When using PowerINSPECT for reverse engineering, options within Digitized Curves allow edges, holes and gaps to be identified as the part is being probed. Curves can also be created from CAD models within PowerINSPECT or they can be imported directly from other software packages. All these curves can be modified by rotation, translation, mirroring or scaling, or by editing individual points within the curve.

Once created, curves can be exported as polylines as well as to the previously-available NURBS format. This enhancement is part of a general increase in the ability to export surface and geometric items for use in modelling applications, with VDA export added to the existing IGES format.

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Financial News

Agilent Reports Results

22 August 2013

Revenue

Agilent's revenue of 1.65 billion was down 4.6% sequentially and 4.1% year over year.

The Asia/Pacific remained the biggest contributor to revenues with a 39% share. The Americas was next with 35%, followed by Europe, which accounted for the balance. While all three regions declined sequentially, it was most pronounced in the Americas (down 5.6%), followed by the Asia/Pacific, which declined 4.9% and Europe, which declined 2.8%. The Americas dropped 14.3% from the year-ago quarter, with the Asia/Pacific coming in flattish and Europe up 6.0%.

The most significant declines were in the aerospace/defense and communications markets with pharma/biotech and petro/chemical testing being the only end markets to have seen sequential growth. However, food and aerospace/defense also grew from last year.

Net Income

Agilent generated net income of \$233 million or 14.1% net income margin compared to \$269 million or 15.5% in the previous quarter and \$278 million or 16.1% in the year-ago quarter.

Including these items, the GAAP net income was \$168 million (\$0.49 per share) compared with income of \$166 million (\$0.48 cents per share) in the previous quarter and \$243 million (\$0.69 cents per share) in the year-ago quarter.

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Autodesk Reports Second Quarter Results

23 August 2013

Autodesk, Inc. reported financial results for the second quarter of fiscal 2014.

Second Quarter Fiscal 2014

Revenue was \$562 million, a decrease of 1 percent, compared to the second quarter of fiscal 2013 as reported and an increase of 2 percent on a constant currency basis.

GAAP operating margin was 15 percent, compared to 16 percent in the second quarter of fiscal 2013.

Non-GAAP operating margin decreased by approximately 100 basis points to 24 percent, compared with 25 percent in the second quarter of fiscal 2013. A reconciliation of GAAP to non-GAAP results is provided in the accompanying tables.

GAAP diluted earnings per share were \$0.27, compared to \$0.28 in the second quarter of fiscal 2013.

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Non-GAAP diluted earnings per share were \$0.45, compared to \$0.48 in the second quarter of fiscal 2013.

Deferred revenue increased 7 percent to \$806 million, compared to the second quarter of fiscal 2013.

Cash flow from operating activities was \$65 million, compared to \$107 million in the second quarter of fiscal 2013.

"Our second quarter was marked by strength in our Architecture, Engineering and Construction (AEC) business segment and continued growth in suites," said Carl Bass, Autodesk president and CEO.

"Growth in these vital areas was offset by mixed contributions from other parts of the business. On the product side, we strengthened and expanded our leading product portfolio with new desktop, cloud and mobile offerings."

Second Quarter Operational Overview

EMEA revenue decreased 4 percent to \$202 million compared to the second quarter last year as reported and was flat on a constant currency basis. Revenue in the Americas increased 2 percent to \$202 million compared to the second quarter last year as reported. Revenue in Asia Pacific decreased 1 percent to \$158 million compared to the second quarter last year as reported and increased 4 percent on a constant currency basis. Revenue from emerging economies decreased 2 percent to \$86 million compared to the second quarter last year as reported and 1 percent on a constant currency basis. Revenue from emerging economies represented 15 percent of total revenue in the second quarter.

Revenue from the Platform Solutions and Emerging Business segment decreased 9 percent to \$197 million compared to the second quarter last year. Revenue from the AEC business segment increased 9 percent to \$177 million compared to the second quarter last year. Revenue from the Manufacturing business segment increased 2 percent to \$144 million compared to the second quarter last year. Revenue from the Media and Entertainment business segment decreased 11 percent to \$43 million compared to the second quarter last year.

Revenue from Flagship products decreased 11 percent to \$289 million compared to the second quarter last year. Revenue from Suites increased 18 percent to \$193 million compared to the second quarter last year. Revenue from New and Adjacent products was \$80 million, and decreased 1 percent compared to the second quarter last year.

"The challenging dynamics within some of the end-markets that we serve has led us to adjust our growth assumptions," said Mark Hawkins, Autodesk executive vice president and CFO. "While the near-term revenue target is lower, we remain diligent about managing our spend while making essential investments to drive growth."

"With the recent introduction of more flexible license and service offerings that have ratable revenue streams, such as cloud-based and rental license offerings, Autodesk's business model is evolving," continued Hawkins. "We are currently refining our plans around the pace and time frame for this

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business model transition. We look forward to providing more detail at our Investor Day event scheduled for October 2nd. As we evolve our business model, we remain committed to long-term operating margin expansion."

Business Outlook

The following statements are forward-looking statements that are based on current expectations and assumptions, and involve risks and uncertainties some of which are set forth below. Autodesk's business outlook for the third quarter assumes, among other things, a continuation of the current economic environment and foreign exchange currency rate environment, and interest expense related to Autodesk's \$750 million debt offering in December 2012.

Third Quarter Fiscal 2014

3Q FY14 Guidance Metrics FY14 (ending October 31, 2013)	Q3
Revenue (in millions)	\$540-\$555
EPS GAAP	\$0.19-\$0.23
EPS Non-GAAP	\$0.36-\$0.40

Non-GAAP earnings per diluted share exclude \$0.11 related to stock-based compensation expense and \$0.06 for the amortization of acquisition related intangibles.

Third quarter fiscal 2014 outlook assumes annual effective tax rates of approximately 23 percent and approximately 25 percent for GAAP and non-GAAP results, respectively. These rates do not include one-time discrete items but do reflect the recently enacted extension of the federal R&D tax credit benefit through December 31, 2013. Autodesk is not providing full year fiscal 2014 guidance at this time.

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HP shuffles top ranks, dashes 2014 growth hopes

22 August 2013

Hewlett-Packard Co shuffled its top ranks on Wednesday, shifting any executive to a role identifying acquisition targets after a disappointing performance from the division he oversaw curtailed the No. 1 PC maker's 2014 outlook.

Meg Whitman replaced Dave Donatelli with Bill Veghte at the helm of the Enterprise Group on Wednesday, calling the unit's performance "very disappointing." That, plus a decline in PC sales as

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tablets and smartphones revolutionize computing, led her to backpedal from when she said in May that 2014 revenue growth was still possible. "What has changed about 2014's outlook is a couple of things - Enterprise Group's performance especially during the quarter," she told analysts on a conference call. "Weak execution has amplified the market challenges we know exist."

"It's unlikely ... that we'll see the growth in 2014 that I had hoped."

Whitman said the computing giant was "back in the market" for strategic acquisitions, which she saw as essential to a continued transformation.

The company recorded revenue of \$27.2 billion in the fiscal third quarter, down from \$29.7 billion a year earlier. That missed the \$27.3 billion in sales that Wall Street had expected, on average.

Net income in the quarter came to \$1.39 billion or 71 cents a share, compared with an \$8.9 billion loss a year earlier when the company registered a writedown of the IT outsourcing business it inherited when it bought Electronic Data Systems for close to \$14 billion in 2008.

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Mentor Graphics Achieves Record Results in Q2

23 August 2013

Mentor Graphics Corporation today announced financial results for the company's fiscal second quarter ended July 31, 2013. The company reported revenues of \$253.2 million, non-GAAP earnings per share of \$0.26, and GAAP earnings per share of \$0.19.

"Revenue, bookings and operating income were all-time records for a second quarter," said Walden C. Rhines, chairman and CEO of Mentor Graphics. "New capabilities for 20, 14 and 10 nanometer technologies, and the performance enhancements these advanced nodes enable, were the principal forces driving strength in the Calibre products and Veloce emulation. Record first-half bookings, book to bill and backlog reinforce our confidence for fiscal 2014 and beyond."

In support of the many innovations emerging in integrated circuits manufactured at 20, 14 and 10 nanometers, such as FinFETs and multi-patterning, the company in second quarter announced several new milestones in the Calibre® ecosystem of strategic partnerships with TSMC, Samsung, GLOBALFOUNDRIES and Freescale. The company also announced that its Questa® and Veloce® functional verification platforms were chosen by ARM to allow licensees to test compliance with the specifications of the ARM AMBA 5 and AMBA 4 interconnects.

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In addition, the company announced the Capital® Harness™ TVM software serving the automotive, aerospace and defense industries. The product automatically generates detailed harness manufacturing process and cost data that is specific to each customer's harness design, factory and cost models.

“Scalable verification, in particular emulation, highlighted an excellent quarter. Strong renewal activity and emulation drove a 70% year-on-year increase in bookings,” said Gregory K. Hinckley, president of Mentor Graphics. “Exceeding non-GAAP guidance by 50% and last year's results by nearly 20% is evidence of our continuous attention to operating expenses. Third quarter guidance reflects the successful ramp of emulation production and customer demand for this enabling technology.”

Outlook

For the third quarter of fiscal 2014, the company expects revenues of about \$260 million, non-GAAP earnings per share of about \$0.19, and GAAP earnings per share that are approximately \$0.11. For the full fiscal year 2014, the company is maintaining revenue expectations of about \$1.155 billion and is increasing its forecast of non-GAAP earnings per share to about \$1.59. It now forecasts GAAP earnings per share of approximately \$1.31.

About Mentor Graphics

Mentor Graphics Corporation is a world leader in electronic hardware and software design solutions, providing products, consulting services and award-winning support for the world's most successful electronic, semiconductor and systems companies. Established in 1981, the company reported revenues in the last fiscal year of nearly \$1,090 million. Corporate headquarters are located at 8005 S.W. Boeckman Road, Wilsonville, Oregon 97070-7777. World Wide Web site: <http://www.mentor.com/>.

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Synopsys Third-Quarter Profit Down 31% on Taxes, Expenses

22 August 2013

Synopsys Inc.'s (SNPS) fiscal third-quarter profit fell 31% as higher taxes and expenses wiped away a rise in revenue for the provider of chip design-software.

Synopsys makes design software for the development and testing of chips. The company has posted stronger core results in recent years, as competition among chip makers drives customers to spend more to develop smaller and better-performing designs. Synopsys has benefited from three-year licensing agreements it signs with customers, as well as chip makers' continued healthy investment in research and development.

For the quarter ended July 31, Synopsys reported a profit of \$52.3 million, down from \$75.7 million a year earlier. Revenue improved 8.8% to \$482.9 million. Gross margin narrowed to 76.1% from 77.5%, as input costs rose 16%.

For the full year, Revenue is expected to come in at \$1.957 billion to \$1.967 billion, compared with its prior view of \$1.955 billion to \$1.975 billion.

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Implementation Investments

Aquarius Ltd selects Visual 2000

19 August 2013

Visual 2000 International Inc. (<http://www.visual-2000.com>) announces that branded and private label accessories leader Aquarius Ltd. has selected its Visual End-2-End™ fashion business software solution. The designer, manufacturer, and marketer of belts, wallets, and other leather goods will begin a phased implementation of the natively integrated Product Lifecycle Management (PLM), Enterprise Resource Planning (ERP) and other system components at its St. Louis, Missouri headquarters later this month. By consolidating all product information and processes onto a single IT platform, the company expects the new system to improve team and vendor collaboration and accelerate business processes.

According to Farhat Awan, Visual 2000 USA Sales Director, “We are pleased with the opportunity to partner with Aquarius Ltd. as they empower their teams and suppliers to increase creativity, improve process visibility, and enhance customer service. By leveraging our out-of-the-box solution, we are confident that they will achieve these and other important business improvements quickly and cost effectively.”

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Balfour Beatty Enlists Fujitsu to Build Foundations for Future Innovation and Growth

23 August 2013

Global infrastructure company, Balfour Beatty, has enlisted Fujitsu to transform its IT infrastructure. The new partnership signals a move by the organisations to invest in technology to support its wider business strategy of improved efficiency, customer centricity and growth - and will enable the business and its customers to operate in a much more informed, flexible and agile way. The project with Fujitsu is fundamental in creating a standardized IT infrastructure for Balfour Beatty's UK business, while driving down IT costs.

A global organization, operating in over 80 countries, Balfour Beatty brings together designers and planners, engineers, builders, project and facilities managers, analysts and consultants across a multitude of locations. As a result of a reorganization of its UK business, combined with significant growth in recent years, Balfour Beatty was faced with disparate and fragmented systems. It recognises the need to provide a more joined-up and improved service to its customers and that IT would be an enabler to achieving this. Balfour Beatty looked for a partner with a proven track record in delivering projects of a similar scale. Fujitsu was selected as supplier of choice following a rigorous tender process.

Under the terms of the multi-million pound, five-year contract, Fujitsu will host and manage the company's data in a shared storage environment, using a combination of physical and cloud-based virtual data centres. It will also provide desktop services and support for 14,000 users in the UK, across

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approximately 450 permanent locations and 450 temporary sites - supported by Fujitsu hardware. This move will see Balfour Beatty's employees use standardized equipment and also enjoy a much smoother user experience for support, with much faster response times.

"We create the infrastructure that enables societies and economies to grow," said Danny Reeves, CIO of Balfour Beatty's Services Division. "Fujitsu's experience in working with public sector organisations made it a natural choice. Its global expertise also played a big part in the decision making process, as the customers that we serve are based in multiple locations across the globe. We are taking great strides forward in the way that we use technology as a business - and to help us better engage with our customers. As both a technology champion and an innovator, Fujitsu is well placed to join us on this journey."

Richard Bull, executive director End User Services at Fujitsu UK & Ireland, commented: The objective here is to create an agile and scalable IT environment, that provides Balfour Beatty with the ability to flex according to its customers' requirements, as well as helping to reduce IT costs. It is also giving Balfour Beatty the opportunity to truly innovate its business and to future proof for trends such as Bring Your Own Device. We are confident that we'll achieve that and are looking forward to a long and successful partnership with Balfour Beatty.

Balfour Beatty's complex and diverse IT estate currently comprises over 1500 servers in the UK, spread across 10 data rooms. The consolidation and rationalization of this estate into Fujitsu's North and South London data centres will drive down costs and significantly reduce Balfour Beatty's energy consumption. Furthermore, the organisations is also planning to significantly rationalize the number of apps it uses, which currently stands at around 5500.

All future end user devices will be based on Fujitsu technology - the standard laptop machine will be based on the Fujitsu LIFEBOOK series whilst the standard desktop offering will be delivered by the ESPRIMO range.

In the data centres Fujitsu's PRIMERGY servers will be utilized and supported by its ETERNUS enterprise storage range.

The project will involve TUPE transfers for a total of 67 Balfour Beatty employees into Fujitsu. Fujitsu's focus on nurturing its people and harnessing talent was very appealing to Balfour Beatty, particularly with its proven staff retention rates.

The transfer and transform program is expected to be carried out over 18 months and is currently in its design phase.

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CAT Dealer Pon Builds on Infor as a Platform for Growth

22 August 2013

Infor today announced that Pon Equipment Denmark has gone live on Infor M3 for Equipment as the first stage in an international roll out that will span Denmark, The Netherlands, Sweden and Norway. The project is set to deliver the benefits of process standardization and improved customer service to Pon's Equipment and Power organizations.

Pon is one of Europe's largest Caterpillar dealerships and service providers. Following a period of substantial growth, the Pon Equipment and Power group had a complex arrangement of 13 legacy ERP systems and more than two hundred supporting applications. Following a thorough review of the market, Pon decided to standardize on Infor M3 for Equipment, in line with the corporate strategy "Get, Keep, Grow." The application was deployed to help Pon standardize processes across the Pon Equipment and Power.

"We anticipate a wide range of benefits from a standardized way of working supported by one system across the Pon Equipment and Power group," explains Göran Carlson, CEO of Pon Equipment and Power. "The key to realizing this return on our investment is not only the industry-specific capabilities of Infor M3 but also our commitment to the program. By the end of the project we will have over 1500 users on M3, so we have made substantial investments in training throughout the company and will learn a great deal from this initial implementation."

"Across the industry, Infor M3 for Equipment is becoming the preferred platform for CAT dealers," said Warren Smith, industry strategy director, Equipment, Infor. "In order to make better and faster decisions, equipment dealers and rental organizations need improved visibility of their processes throughout the equipment lifecycle. Having one source of information not only helps to reduce total cost of ownership, but also enables better customer service through a real-time flow of accurate information. Companies then have more opportunity to innovate and create a platform to achieve sustained growth."

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Esterline Selects Aras PLM Platform for Enterprise Product Lifecycle Management

21 August 2013

Aras®, the leading enterprise open source Product Lifecycle Management (PLM) software solution provider, today announced that Esterline Korry, a division of Esterline Corporation, headquartered in Bellevue Washington, has selected Aras as the enterprise PLM platform. Esterline Korry chose Aras for scalability, flexibility and robustness of the functionality for configuration and change management of complex electromechanical systems with integrated requirements management, program management, risk management and quality compliance.

Aras will manage the entire product development process, including engineering Bill of Materials

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(EBOM), manufacturing Bill of Materials routing (MBOM), EBOM-to-MBOM transformation, documents, drawings, multi-discipline requirements, specifications and other systems information. Enterprise change management workflows control the release and update of PLM data across the lifecycle.

Fully integrated with Infor Syteline ERP, Aras will replace a number of legacy systems over time including the existing PDM system. Directly integrated with CAD for work-in-process designs, Aras provides Esterline Korry with stage-gate program management and product risk FMEAs, inspection and test control plans, and Corrective/ Preventative Actions (CAPA) for a comprehensive PLM backbone.

“As a leader in the aerospace industry, Esterline needs the power to harness increasing systems complexity and the agility to quickly adapt to a rapidly changing marketplace,” said Peter Schroer, President of Aras. “With our advanced PLM platform, we provide the scalability and flexibility necessary to manage tomorrow’s aerospace systems.”

About Aras

Aras is the leading provider of enterprise open source Product Lifecycle Management (PLM) software solutions. Freedom from licensing eliminates up-front expenses and per user costs while superior technology makes Aras the most advanced enterprise PLM solution suite available. Customers include Motorola, Freudenberg, GE, Hitachi, Lockheed Martin, Textron and TEVA Pharmaceuticals. Aras is privately held with global headquarters in Andover, Mass. For additional information visit www.aras.com or follow us on Twitter @aras_plm

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Fujitsu Semiconductor LTD adopts Mentor Graphics HyperLynx for deploying their 5.0 Gbps USB 3.0 technology

19 August 2013

Fujitsu Semiconductor integrated their IBIS-AMI (I/O Buffer Information Specification - Algorithmic Modeling Interface) with the HyperLynx Channel Analysis technology and achieved high-speed analysis while maintaining the accuracy equivalent to transistor models. Fujitsu Semiconductor has adopted HyperLynx technology as a standard tool for LSI-IC Packaging-Printed Circuit Board co-design tool for memory interfaces such as DDR2/3/4 since last year, and this announcement is the result of the first introduction.

As USB 3.0 becomes popular, more devices are developed based on the SI analysis in 5Gbps bandwidth. In this bandwidth, transistor models are mainly used in simulation to ensure accuracy, but can cause problems with its longer simulation time. Typical IBIS models can be used for shortening simulation time; however, correct results may not be obtained due to the accuracy of IBIS models or different interpretations of simulators. Fujitsu Semiconductor succeeded in maintaining the accuracy needed for USB 3.0 and other multi-Gbps technologies while shortening the simulation times by integrating their IBIS-AMI modeling technology and the HyperLynx tool.

“Fujitsu Semiconductor is working together with our customers and partners to resolve both the signal and power integrity challenges that are becoming more and more complicated in conjunction with size reduction. We have adopted HyperLynx technology as a common tool for Fujitsu Semiconductor. It provides our customers with high accuracy as well as reduction of analysis time. This led us to build the precision-verified USB 3.0 Compliance Simulation Kit. We believe that Fujitsu Semiconductor and our customers can expect improved design productivity as well as development cost reduction with the Mentor Graphics best-in-class global customer support,” said Naoshi Higaki, Assistant Vice President of Design Methodology & Product Engineering Division, Fujitsu Semiconductor.

“We are pleased that Fujitsu Semiconductor has positioned our HyperLynx technology as a strong signal integrity tool, and are proud to see how efficient it is for multi-Gbps channel analysis,” said David Kohlmeier, High-speed Analysis Product Line Director, Mentor Graphics Systems Design Division. “Mentor is continuously investing in advanced design and analysis solutions to help our key customers, such as Fujitsu Semiconductor, achieve higher productivity and reduced costs.”

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Norway's Aibel to Use Intergraph CAESAR II

21 August 2013

Aibel AS, a leading engineering service provider that works within the oil, gas, and renewable energy sectors, has selected Intergraph CAESAR II to achieve standardization of its pipe stress analysis and facilitate integration with its design tools.

Aibel is undergoing an engineering service assessment in its onshore and offshore facilities with the goal of standardizing software solutions to increase efficiency and reduce time and costs. With CAESAR II, the company aims to improve data input and display to accurately define its piping systems analysis models. The CAESAR II input graphics methodology quickly develops and assesses analysis models. Graphical and tabular output immediately indicates areas of concern and automated artificial intelligence tools can quickly address a lack of piping system flexibility.

The company's fabrication yards in Norway and Thailand are world-class performers and have sufficient capacity to build large new modules, such as platforms and floating production installations, but also smaller modules for upgrade projects.

"Aibel wants to take customer service one step further with a better and more integrated pipe stress analysis. CAESAR II is now recognized as the primary solution for stress analysis at Aibel and will be implemented on all projects in the immediate future," said Nils-Kristian Midttveit, team lead asset management at Aibel. The company already uses Intergraph SmartPlant P&ID, SmartPlant Instrumentation and SmartSketch.

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Gerhard Sallinger, Intergraph process, power & marine president, said, "We are pleased Aibel chose Intergraph's pipe stress analysis solution to achieve higher efficiency levels to serve its global and Nordic region customers. This collaboration will continue to strengthen our relations with Aibel and other leading engineering service companies in the Nordic countries for offshore and onshore projects."

CAESAR II evaluates the structural responses and stresses of piping systems to international codes and standards. Input data may be accessed and modified on an element by element basis or globally as required, enabling customers to access and modify element by element or globally if necessary. More information on CAESAR II can be found at www.intergraph.com/products/ppm/caesarii.

About Aibel

Aibel AS is one of the largest Norwegian service companies that works within the oil, gas and renewable energy sectors, providing engineering, construction, upgrading and maintenance solutions. The company has 5,500 global employees, working on fields and facilities, both onshore and offshore. Aibel is currently present on 30 of the 70 platforms on the Norwegian Continental Shelf, and on four of the six onshore facilities in Norway. Its main clients are Statoil and ConocoPhillips. For more information, visit <http://aibel.com/en>.

About Intergraph

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer and smarter. The company's software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: process, power & marine (PP&M) and security, government & infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation and data management of plants, ships and offshore facilities. Intergraph SG&I provides geospatially powered solutions, including ERDAS technologies, to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is a wholly owned subsidiary of Intergraph Corporation responsible for the SG&I US federal business.

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Spreadtrum Communications Selects Berkeley Design Automation Analog FastSPICE Platform for Circuit Verifications

21 August 2013

Berkeley Design Automation, Inc., provider of the world's fastest nanometer circuit verification, today announced that Spreadtrum Communications, Inc., a leading fabless semiconductor provider with advanced technology in 2G, 3G, and 4G wireless communications standards, has selected the company's Analog FastSPICE (AFS) Platform for characterization, analysis, and verification of its advanced mobile chipset platforms.

"Our integrated RF transceiver / baseband chipsets have stringent circuit verification requirements," said Lon Christensen, General Manager, Spreadtrum Communications USA Inc. "We selected the AFS Platform because it delivers nanometer SPICE accuracy and has significantly improved the speed of simulations compared to a parallel SPICE simulator."

The Analog FastSPICE Platform provides the world's fastest circuit verification for nanometer analog, RF, mixed-signal, and custom digital circuits. Foundry certified to 20nm, the AFS Platform delivers nanometer SPICE accuracy 5x-10x faster on a single core and 2x-4x faster on multicore systems versus any other simulator. For circuit characterization, the AFS Platform includes the industry's only comprehensive silicon-accurate device noise analysis and delivers near-linear performance scaling with the number of cores. For large circuits, it delivers >10M-element capacity, the fastest near-SPICE-accurate simulation, and the fastest, most accurate mixed-signal simulation. Available licenses include AFS circuit simulation, AFS Transient Noise Analysis, AFS RF Analysis, AFS Co-Simulation, AFS AMS, and AFS Nano SPICE.

"We are delighted that Spreadtrum Communications has adopted the AFS Platform for verification of their integrated RF transceiver / baseband chipsets," said Ravi Subramanian, president and CEO of Berkeley Design Automation. "Integrating baseband, RF transceiver, power management, and other functions into a multi-mode multi-band solution is a tremendous design challenge. Spreadtrum's selection further validates that Berkeley Design Automation is an essential partner to companies delivering advanced mobile chipset platforms for wireless communications."

About Berkeley Design Automation

Berkeley Design Automation, Inc. is the recognized leader in nanometer circuit verification. The company combines the world's fastest nanometer circuit verification platform, Analog FastSPICE, with exceptional application expertise to uniquely address nanometer circuit design challenges. More than 100 companies rely on Berkeley Design Automation to verify their nanometer-scale circuits. Berkeley Design Automation was recognized as one of the 500 fastest growing technology companies in North

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America by revenue in 2011 and again in 2012 by Deloitte. The company is privately held and backed by Woodside Fund, Bessemer Venture Partners, Panasonic Corp., NTT Corp., IT-Farm, and MUFJ Capital. For more information, visit <http://www.berkeley-da.com>.

Analog FastSPICE, AFS Nano, and WaveCrave are trademarks of Berkeley Design Automation, Inc. Berkeley Design and BDA are registered trademarks of Berkeley Design Automation, Inc. Any other trademarks or trade names mentioned are the property of their respective owners.

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Product News

A new wave of innovation with the Océ CrystalPoint technology and Océ ColourWave 650

21 August 2013

Océ South Africa, a leader in digital document management and delivery, unleashes a new wave of innovation with the first wide-format printing solution taking advantage of the company's new, patented CrystalPoint technology, the ColourWave 650.

Océ CrystalPoint technology has been developed entirely by the company to deliver high-quality colour and black and white prints on plain and recycled paper. Using patented Océ TonerPearls, it is ideal for a wide range of applications including CAD plots, GIS documents and business graphics.

Driving this technology innovation, according to Chris Paulet, product manager of the Wide Format Printing Systems division of Océ South Africa, is the accelerated shift in the market demand for colour output.

Paulet says: "This technology is something that Océ started developing in the mid-1990s. At that time, we saw a number of trends in the market that are still valid today, that were blurring the lines between what had previously been separate applications. For example, there is more photography being mixed with CAD, for illustration and depiction of landscaping. In fact, with our colour CAD printers, one in every five prints tends to be a colour poster. Additionally, there is more business and consumer graphic printing. These developments influenced our technology choices. We also saw increasing demand for sustainability, as well as a need for more productive colour systems. We were looking for a solution that could address all of these requirements."

Helping drive the demand for colour, the CrystalPoint technology offers users the best qualities of inkjet technology, traditionally used by GIS customers, as it provides rapid output, ease of use, affordability and a relatively green solution; combined with the best features of LED/toner printing.

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"Océ already has significant investments and knowledge in both toner and thermal inkjet. Both technologies have a lot of positive benefits, but they each also have their challenges. The challenges you see in thermal inkjet are primarily the media dependency, meaning you must use higher quality, more expensive paper for good output, versus toner, which gives you good quality on simple, plain paper. Bottom line, we wanted a technology that combined the best of both worlds, and that is what led to us developing the Océ CrystalPoint technology, which is somewhat of a hybrid."

At the heart of the CrystalPoint technology are small, solid, berry-sized objects, otherwise known as the Océ TonerPearls. "The pearls essentially replace ink and are housed in a transparent cartridge – imagine, you can actually see how much you have left," says Paulet.

Fed via gravity, the pearls roll into the imaging devices and get melted at 130 degrees Celsius into a toner gel. The heat essentially jellifies the pearl into a toner gel and is then jetted onto the media with no feathering. According to the ColourWave 650's specifications, a 600 dpi resolution is provided. The final step in the process is for the toner to crystallize onto the media.

"The CrystalPoint technology and TonerPearls give us very robust prints that are immediately dry for improved productivity. The strong adhesion means the result will not wrinkle or scratch, and an even semi-gloss finish is achieved. They are odorless prints, and it is an odorless system with no ozone emissions. One of the benefits of thermal inkjet is the movement of print heads in a swath motion that creates prints at high speed, and that is the thermal inkjet benefit we wanted to achieve with our imaging devices," explains Paulet.

"One of the most impressive characteristics of this technology is that no special media – like expensive, heavy, glossy paper – is needed in order to obtain a glossy or semi-glossy print. Imagine the financial savings," he adds.

Designed for the CAD and GIS markets as a base, the combination of the ColourWave 650 and CrystalPoint technology also does well with short-run point-of-purchase materials and poster printing, given its blend of cost-effective, full-colour printing, speed and energy consumption. In sleep mode, the ColourWave 650 consumes 50 watts, 210 watts in ready mode, and only 360 watts when active. It is also EPA Energy Star compliant. As a comparison, a computer and monitor will draw about 400 watts.

"With the introduction of Océ CrystalPoint technology, we are unleashing an important wave of innovation that's changing the face of the wide-format printing industry," concludes Paulet.

Océ South Africa

Océ South Africa, wholly owned by the Bidvest Group, is one of the leading providers of document management and printing for professionals in South Africa as well as in Namibia, Mozambique, Botswana and Swaziland. The Océ offering includes office printing and copying systems, high-speed

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digital production printers and wide-format printing systems for technical documentation. Océ South Africa's head office is based in Johannesburg, and it offers a support system throughout its distribution regions. Many of the Fortune Global 500 companies and leading commercial printers are Océ customers.

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Altair Announces Innovative Cloud Applications on Amazon Web Services for Mainstream CFD Users

21 August 2013

Altair today announced the release of CFDCalc, an on-demand and affordable computational fluid dynamics (CFD) application, built on top of Altair's industry-leading CFD solver, AcuSolve™. Leveraging the reliability, efficiency and near-instant availability of Amazon Web Services (AWS), this innovative cloud application serves as both a software-as-a-service (SaaS) application and as a platform-as-a-service (PaaS) application. With this, users can access high-end CFD technology as an online, cloud-based service, and industry experts can take advantage of the vertical framework and easily develop their own vertical CFD applications.

CFDCalc comes with two pre-packaged, special-purpose vertical applications that are developed to solve two common yet challenging CFD problems: fluid mixing in the industrial and consumer mixing industry, and thermal cooling in the electronics industry. Altair will offer additional vertical applications while promoting experts and developers globally to use the framework to develop new applications, further enhancing the portfolio of solutions.

"Running complex CFDCalc solutions on AWS enables users to have virtually unlimited on-demand compute resources, and allows the CFDCalc services to scale up or down as needed," said Terry Wise, Director of Worldwide Partner Ecosystem, AWS. "We are excited to be working with Altair to bring these innovative and cost-effective CFD solutions to our joint customers."

"CFDCalc brings high-end CFD technology to the general engineering community, allowing all levels of users—from casual designers and analysts to expert developers—to take advantage of the same technology used by Fortune 500 companies as an online CFD simulation tool or platform for application development," said Dr. Farzin Shakib, Vice President of CFD technology at Altair. "This new kind of cloud application, with an intelligent Web interface, requires no CFD expertise for users, eliminating the upfront cost of purchasing hardware and software, and provides solutions at a fraction of the cost and time previously required. It also provides the means for CFD experts to design, develop and deploy calculators on CFDCalc and market them globally."

Employing CFDCalc as a PaaS technology, Altair will enable new waves of developers to build and deploy new vertical applications that they otherwise may not be able to do, fueling a social network community connecting CFD experts with potential users. Furthermore, companies can deploy CFDCalc on Amazon Web Services for their dedicated use.

About Altair

Altair empowers client innovation and decision-making through technology that optimizes the analysis, management and visualization of business and engineering information. Privately held, with 2,000 employees, Altair has offices throughout North America, South America, Europe and Asia/Pacific. With a 28-year-plus track record for high-end software and consulting services for engineering, computing and enterprise analytics, Altair consistently delivers a competitive advantage to customers in a broad range of industries. Altair has more than 3,000 corporate clients representing the automotive, aerospace, government and defense, and consumer products verticals. Altair also has a growing client presence in the electronics, architecture engineering and construction, and energy markets. To learn more, visit www.altair.com and www.simulatetoinnovate.com.

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Autodesk Revit MEP 2012 & Navisworks for Technical Modelers & Junior Engineers Training is Now Available at NetCom Learning

21 August 2013

NetCom Learning announces a new training package sure to be of interest to MEP technical designers and engineers. The new coursework entitled Revit MEP 2012 & Navisworks 2012 Outline for Technical Modelers & Junior Engineers Modelers provides attendees with an overview of how the Autodesk software applications work, what they can be used to accomplish, and an in depth look at the elements, categories, families and views that make up the software. Upon completion of the course students should be able to apply their knowledge for projects in the office right away. The course is targeted to MEP users that are new to Revit or those who do not feel like they have a good understanding of the software.

“This new training package is perfect for MEP technical designers and engineers who want a basic understanding of Autodesk Revit MEP 2012 functionalities,” said Russell Sarder, CEO of NetCom Learning. “The software training provides individuals with exactly the tools and skills they need to start using Revit MEP right away,” said Sarder.

Revit is a line of software from Autodesk for use in building information modeling. The software lets builders, architects and engineers create virtual buildings and set up the planning, construction and management for a structure before building. Revit software applications include Revit Architecture, Revit Structure and Revit MEP.

NetCom Learning’s new training package provides training in understanding the role of Revit in BIM and the workflow, being able to apply tools and techniques for efficient and effective Family creation in Revit MEP, learning how to set up the framework for a variety of family types and be able to apply appropriate 2D or 3D geometry to the framework. In addition, students will learn to aggregate the

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information for review in Navisworks and use the Clash Detective to identify and track conflicts between building components.

NetCom Learning is an authorized Autodesk Training Center providing Autodesk approved curriculum. NetCom Learning, the leader IT and business training, offers top notch instructors with an average of 16 years of experience and vendor approved coursework offering certification preparation for a variety of vendor certifications. NetCom Learning instructors routinely achieve high ratings from their students with an average instructor evaluation of 8.6 out of nine, one of the highest instructor evaluations in the industry. The high quality of training has resulted in over 2,000 testimonials and a 96% customer satisfaction rate with those customers indicating they would recommend NetCom Learning to others. Recently NetCom Learning earned an NPS score of 65 which is much higher than average. NPS scores are used to gauge customer satisfaction and loyalty, a score of 50 is considered to be excellent.

To learn more about Revit MEP 2012 & Navisworks 2012 Outline for Technical Modelers & Junior Engineers Modelers visit <http://www.netcomlearning.com/packages/254242/Revit-MEP-2012-and-Navisworks-2012-Outline-for-Technical-Modelers-and-Junior-Engineers-Modelers-training.html?advid=412>

About NetCom Learning

NetCom Learning is an innovative leader in IT, business and executive training to companies, individuals, and government agencies. Since its inception in 1998, NetCom Learning has trained over 80 percent of the Fortune 100, serviced over 45,500 business customers, and advanced the skills of more than 71,000 professionals through hands-on, expert-led training, with the organization maintaining an average instructor evaluation score of 8.6 out of 9. NetCom Learning was recognized by Microsoft Corporation as its Worldwide Training Partner of the Year and named thrice to Inc. Magazine's list of fastest growing private companies in America. The organization was also recently named to the 2012 Top 20 IT Training Companies by TrainingIndustry.com and was named "Company of the Year" by the American Business Awards.

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BigLever Software Takes Product Line Engineering to the Next Level with Feature-based Product Line Family

19 August 2013

BigLever Software™ announced today the release of Gears 7.2, the latest version of the company's industry-standard PLE Lifecycle Framework. Gears 7.2 delivers the breakthrough multistage configuration capabilities needed for engineering organizations to create, deliver, maintain and evolve their entire "product family tree" based on product line features. This new feature-based product line family management capability is changing the way companies, across a spectrum of industries, evolve and compete with their product lines.

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In successful commercial product line organizations, the number and diversity of products delivered can grow to be extremely large, partially due to the efficiencies made available by the latest generation of PLE tools and methods. In market segments ranging from automobiles to industrial systems, it is not unusual for companies to manufacture millions of products every year, in thousands of different “flavors”. This extreme product line diversity creates major challenges for engineers implementing the product line, product marketers defining the space of available products, and customers selecting from the array of available products. To provide order and clarity about their product groupings and offerings within this type of complex product space, companies often organize their products into a product family tree, thereby enabling customers to more easily navigate among the huge number of product offerings.

BigLever’s Gears solution dramatically reduces engineering complexity by enabling companies to establish a feature-based product line factory that uses feature profiles and systems and software assets – from across the engineering lifecycle and the entire product line portfolio – to automatically configure and produce their many product flavors.

Multistage configuration extends this product line factory approach by allowing product line managers and marketers to better comprehend, organize and manage highly complex family trees based on product line features.

“Multistage configuration is especially powerful because it shortens the lead time required to translate new feature concepts and combinations into product implementation,” said Dr. Charles Krueger, CEO of BigLever Software. “With Gears 7.2, product marketers can gain a cohesive big picture view into the product family tree, and the subfamilies within their purview, to take strategic advantage of product feature commonalities and diversity within the product space. As a result, businesses can leverage a feature-based product line management approach to efficiently expand and evolve their product line portfolio to meet customer need and market demand.”

“Dealing with this kind of complexity is a challenge that hits hard in the systems engineering arena, where the disparate worlds of software and hardware come together,” said Tony Baer, Principal Analyst, Ovum. “As ALM (application lifecycle management) and PLM (product lifecycle management) technologies begin to converge, much of the industry’s focus is on integrating the tools, rather than integrating the business across these two critical functions. BigLever’s feature-based product family management approach can play a role in helping engineering and product management establish a common vision for the product line.”

About Product Line Engineering

The emergence of PLE as mainstream practice in the systems and software engineering industry is due in large part to the latest generation of pragmatic, full-lifecycle PLE tools and methods. First generation PLE approaches enable the improved reuse of software assets; however, they tend to focus on techniques for enhancing variation management within a single tool, a single asset type, or at an individual stage in the lifecycle. Second generation PLE (2GPLE) is centered on the featured-based product line factory paradigm. With 2GPLE the entire product line portfolio is engineered, managed, delivered and evolved as a single, feature-based, automated production system – as opposed to a

multitude of separate products.

BigLever's Gears PLE Lifecycle Framework is the only PLE solution that allows organizations to create a supply chain of product line assets that self-configure based on features, automatically assemble these self-configuring assets from across the lifecycle, and produce the product line family with the push of a button.

About Gears 7.2 and Multistage Configuration

Gears 7.2 supports the engineering, deployment and maintenance of complex product family trees by enabling feature selections and "downselections" (features removed from consideration) to be incrementally staged throughout the nodes in a product family tree. Feature decisions made at any node are inherited by all descendants of that node, thereby defining a product family subtree. For example, an automotive manufacturer might structure their product line portfolio into a family tree with 5 levels:

- Platform: A family of vehicles of similar size and structure that can be manufactured in the same assembly plant. (Examples might include pickup trucks, large sedans, and small coupes.)
- Program: A subfamily of vehicles within a single platform, known by consumers as the "model".
- Regional program: A subfamily of vehicles within a single program, manufactured for the legislative, geographic, climate, cultural, and marketing characteristics of a particular country.
- Trim level: A subfamily of vehicles within a single regional program, representing different tiers of capabilities, accessories, and associated cost using terms such as base, standard, and luxury.
- Vehicle instance: A subfamily member within a single regional program trim level, as determined by the consumer-selectable options available on a particular trim level.

This patent pending multistage configuration capability has been adopted by the world's leading automotive manufacturer to streamline and simplify the engineering, delivery and evolution of one of the most complex product lines in the world. In addition to the automotive industry, companies in other sectors are leveraging this approach to deliver complex product families, such as a portfolio of industrial pump systems.

BigLever Software

BigLever Software, the leading provider of systems and software product line engineering framework, tools and services, dramatically simplifies the creation, evolution, maintenance and delivery of a product line – a portfolio of similar products or systems with variations in features and functions. BigLever's patented Gears solution enables organizations to reduce development costs and bring new product line features and products to market faster, enabling businesses to more reliably target and hit strategic market windows. BigLever is based in Austin, Texas. For more information, visit www.biglever.com.

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Brainzsquare Releases a Specialized Copy Protected, Secure USB Drive for CAD and Design Files

20 August 2013

Brainzsquare announces the release of SECUDRIVE USB CAD, a specialized, copy protected, secure USB solution developed especially for compatibility with design and CAD files, into the market. With other security features embedded into the solution, SECUDRIVE USB CAD is perfect for designers who carry their precious designs with them on the go.

With SECUDRIVE USB CAD, users can safely carry their important designs with them wherever they go. Whether it be on a business trip, a trip to the office, or a public PC center, it provides copy protection not only for document files, but for computer aided design files as well. The copy protection solution is compatible with numerous CAD and design programs such as Adobe Photoshop, Adobe Illustrator, AutoCAD, OrCAD, and more. By adding specific programs to the USB's copy protection system, important design files cannot be opened by programs other than the ones the user has specified, and cannot be copied, transferred, or saved onto the local PC. This protects the user's copy rights on their designs and prevents unauthorized people from viewing or leaking the data.

This secure USB solution also features validity settings, Auto-lock, password protection, and print controls with watermark printing. Validity settings allow users to set a time period for the USB to be active and also set a limited number of logins. If the user has to leave the computer for a few minutes, there's no need to worry there either. With Auto-lock, users can set a specific time a computer can go inactive before the USB automatically logs out of the device. But be aware, data not saved will be lost upon logout. SECUDRIVE USB CAD also comes with password protection. Users will be asked to input a password upon their first login. If the wrong password is entered over ten consecutive times, the data on the USB will be automatically and irreversibly erased. This is to prevent data leakage if the USB drive is ever lost or stolen. Users have a choice of turning off printing completely, which doesn't allow any file to be printed off of the USB drive, or turn on printing with a customizable watermark.

Users can also login as read-only mode. This prevents files on the USB from being edited or overwritten. With AES 256-bit hardware encryption and an embedded anti-virus vaccination, users can rest assured that their design files are safe from virus infections and malware. Detailed event logs are also provided with information such as date, time, user name, USB serial number, and action taken.

“Conceptual drawings and designs for new product development warrants a high level of confidentiality within a company. Companies, as well as employees today have worried about loss, theft, or leakage of their designs whenever it is taken out on a portable device to show to cooperative partners outside of company grounds. Designers can now carry their precious design files with them on SECUDRIVE USB CAD and not have to worry about the security risks of losing their flash drive, unauthorized copying, or virus infected files. This USB solution gives the users all they need to protect their precious data in a

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simple and effective way,” said Simon Kang, CEO of Brainzsquare.

About Brainzsquare:

Founded in 2000, Brainzsquare has been serving specialized and innovative data security solutions in the market. Since 2006, with the launch of the SECUDRIVE product line, Brainzsquare has provided products ranging from secure USB flash drives and data erasure products to copy protection software, device control, and file server security solutions for corporate customers and content publishers.

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Delcam to launch new DentMILL dental milling software in Europe

19 August 2013

The latest release of Delcam’s DentMILL software for the milling of dental implant restorations will be launched at a dedicated conference to be held in Darmstadt, Germany, on 4th and 5th September. The new version includes a clearer interface to make the system even easier to learn and to use, improved nesting for more efficient use of materials and faster calculation times.

DentMILL 2014 is the latest release of Delcam’s open dental CAM solution, which is designed to mill all types of restoration from any dental CAD system on the market. It is built on Delcam’s award-winning PowerMILL software for high-speed and five-axis machining, and can mill restorations in any material from PMMA to titanium.

The new interface features a reduced number of toolbars to allow the maximum screen space for toolpath generation and simulation, together with bolder and clearer icons. It has been designed in association with dental laboratories and milling centres to ensure that technicians with limited experience of computer-aided machining will find the software easy to learn and to use.

Material use has been made more efficient with improved and more flexible nesting tools to position the various restorations within the block. In particular, the ability to undertake part-to-part pinning is included, rather than having to use separate support pins for each restoration.

As well as being positioned in the most efficient 2D arrangement, the restorations are oriented in the optimum alignment so that the most cost-effective thickness of material block can be used. This ability to tilt the restorations also allows items higher than the block to be oriented so that they can be machined.

DentMILL incorporates a materials stock-management system that allows the user only to select sizes of material block that are currently in stock and that are suitable for the specified machine. The software

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then selects the fixture appropriate for that block from the library supplied with the software, and applies automatically the shrinkage allowance and milling templates for the material.

Partly-used blocks can be added back into the stock-management system so that the material remaining can be used on future projects.

The milling templates supplied with the software cover a wide range of materials, including titanium, cobalt-chrome and glass ceramics. These allow highly automated generation of toolpaths. Of course, users can still develop their own templates for any unique materials they machine.

DentMILL has also benefited from enhancements to the latest version of PowerMILL on which it is based. These include a number of new strategies that offer smoother machining to give the best possible surface finish. In addition, background-processing capabilities mean that toolpath calculations can be started on the first items added to the block, while the remaining restorations are still being positioned. The technology also allows work to be undertaken simultaneously on a number of projects. Both capabilities can reduce the overall calculation times significantly.

Closer integration has also been added between DentMILL and Delcam's OrderManager workflow management software so that the system is updated automatically with manufacturing data as it is generated. This is in addition to the ability for milling-center staff to immediately see incoming orders, approve them and download design data to begin programming. The additional automation makes it easier to use the system to manage all the manufacturing steps through to eventual dispatch, and to maintain a 'real-time' view of the center's total order status. Delcam's OrderManager can be used with the full variety of manufacturing methods as it can easily be tailored to manage any milling center's individual process steps.

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File Translator in ZW3D 2013 SP: Enhanced 3D CAD Data Exchange

20 August 2013

ZWSOFT, supplier of CAD/CAM solutions for the AEC and MCAD industries, has enhanced ZW3D 2013 SP's data exchange capability with the upgraded File Translator, which allows designers to freely import, edit and export files from their familiar design software, helping to simplify design process with more compatible file format support, higher import and export quality and shorter design cycle.

Supporting Multiple File Formats

As one of the main enhancements in ZW3D 2013 SP, the File Translator helps to facilitate the reading, writing, and repairing of most 3D CAD file formats, such as CATIA V6, UG NX8.5, Solidworks 2013, Inventor 2013 and Parasolid V25. The improved translating function enables faster and more accurate

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data exchange with multiple 3D CAD platforms, and as a result the range of ZW3D's application can be greatly expanded. For instance, manufacturing companies working with multi-platform designs from suppliers, will benefit from seamlessly imported external files.

Improving Data Collaboration with Better Import Quality

ZW3D 2013 SP minimizes the risks of data loss when processing multi-platform data conversion with the updated Translator. In addition, higher display accuracy is achieved by reducing up to 70% of open edges for import module. Working fluency will also be improved, and thus users don't have to worry about any rework caused by data-loss or incorrect display. The better import quality, coupled with the more fluent workflow, will ultimately make a positive impact on design efficiency.

"There is various 3D design software in the international market, and being able to smoothly handle data exchange is important for users," said Colin Lin, Vice Director of ZW3D Overseas Business. "Owing to the updated Translator, ZW3D 2013 SP removes boundaries of various files formats, making multi-CAD design available to anyone."

The Perfect Time-saving Tool for Data Exchange

This File Translator is available in both 32-bit and 64-bit versions of ZW3D 2013 SP. After installation, designers will find more formats will be automatically added to the import list of ZW3D 2013 SP, allowing them to work with different 3D CAD files. The simplified workflow, combined with the easy-to-use interface, will help users deliver more accurate designs in a time-saving way.

About ZW3D CAD/CAM

ZW3D is cost-effective CAD/CAM software for 3D modeling, mold design, and machining, which assists engineers from concept to finished product in a single easy-to-use and collaborative environment.
<http://www.zwsoft.com/products/zw3d.html>

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Geometric launches a standalone DFX validation solution

20 August 2013

Geometric Limited today announced the launch of Geometric DFX, a standalone application for carrying out DFX validation of product designs. Geometric DFX is powered by Geometric's award-winning design for manufacturability solution DFMPRO® and leverages the CGM 3D modeling kernel from Spatial Corp., a leading provider of 3D components for technical application development. Spatial's 3D InterOp is also used to enable data reuse for native CATIA® V5 and other leading CAD formats.

DFX stands for Design for X where X represents various downstream process checks related to

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manufacturability, assembly, quality, warranty, penalty, serviceability, environment, reliability and so on. It is essential to incorporate various DFX guidelines early in the product development phase to reduce defects, cut down rework, eliminate waste, shorten time to market and save costs. Traditionally, organizations have been using manual DFX checks, which are time consuming and error prone. Geometric DFX addresses this problem by enabling designers to validate 3D CAD data using design rules based on global best practices for various downstream issues as listed above.

“Geometric DFX automates the process of DFX validation in a standalone package early during the design stage, thereby cutting down the long review process and identification of downstream issues. It improves the productivity of design and manufacturing engineers as well as enhances collaboration between them to reduce cost, improve quality and time to market”, said Mr. Sameer Kondejkar, Sr. Director and Head, Geometry Technology Solutions Business at Geometric.

Geometric DFX supports CAD formats from CATIA V5, Inventor® and others. Geometric DFX comes prepackaged with around 100 design rules based on global best practices and can be customized to add organization specific best practices too. The various manufacturing processes currently supported include machining, casting, injection molding, and sheet metal fabrication. Geometric DFX will benefit manufacturing companies in domains such as automotive, consumer durables, aerospace, high-tech, medical equipment, and contract electronics manufacturing.

For more information about the solution, please visit www.dfmpro.geometricglobal.com/dfx

About Geometric:

Geometric (www.geometricglobal.com) is a specialist in the domain of engineering solutions, services and technologies. Its portfolio of Global Engineering services, Product Lifecycle Management (PLM) solutions, Embedded System solutions, and Digital Technology solutions enables companies to formulate, implement, and execute global engineering and manufacturing strategies aimed at achieving greater efficiencies in the product realization lifecycle.

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HP Subsidiary Unveils Cloud Collaboration Tool for Enterprises

20 August 2013

Hewlett Packard Autonomy subsidiary has introduced cloud-based technology for enterprise users to collaborate on documents and share files with colleagues, business partners and clients in a secure network.

The LinkSite platform works to integrate HP’s data and email management software for on-premise deployment and act as a collaborative file-sharing tool for public clouds, HP said Monday.

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Neil Araujo, general manager of enterprise content management at HP Autonomy, said the tool seeks to provide customers a documented collaboration service and address the needs of IT compliance teams.

LinkSite users can work on a single file or a whole folder inside and outside of a firewall, HP says.

The platform is also designed to automatically synchronize documents across multiple devices and give employees access to the files by using any web browser, HP says.

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JETCAM announces beveling support for OMAX waterjets

23 August 2013

JETCAM International s.a.r.l. today announced that the next end user release of its JETCAM Expert CAM and nesting software will include native support for beveling on compatible OMAX waterjet CNC machines. The update to both software and postprocessors will be available free of charge to existing customers with a current maintenance contract and is suitable for all sheet bevel cutting requirements.

OMAX customers with either the 'Tilt-A-Jet' or 'A-Jet' cutting heads can easily enable output of the .OMX file format using the latest release. Tilt-A-Jet Heads can be retrofitted to all existing machines, and A-Jet heads are compatible with specific models.

Martin Bailey, General Manager for JETCAM International s.a.r.l. commented; "This powerful new feature adds further value for OMAX customers and allows them to extend their offering to their customer base. Existing users that have compatible heads can take immediate advantage of the new feature, while other users can simply retrofit the appropriate head and increase their capabilities - and all without further costs on the software."

Carl Olsen, Software Engineering Manager of OMAX added; "OMAX is proud to give the OMAX Waterjet Compatible designation to JETCAM, as a top quality nesting solution. JETCAM has gone the extra mile to support OMAX customers, bundling very high end nesting solutions into powerful but affordable solutions specific to their needs. We are excited to see JETCAM extend this capability with the introduction of 3D bevel programming and nesting."

The release will be available for download soon for customers with a current maintenance contract from the JETCAM website at www.jetcam.com or via JETCAM's worldwide reseller network.

About JETCAM International s.a.r.l.

JETCAM International has been developing and distributing its JETCAM Expert range of CAD/CAM software since 1986. In use in over 80 countries worldwide, JETCAM Expert software supports virtually every CNC punching, laser, plasma, routing, waterjet and flatbed cutting machine available today,

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allowing users to program any combination of CNC machines with a single CAM system. The software has received various accolades and awards due to its high level of automation and fast return on investment.

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Netformx Streamlines Data Center Design Process—Expands to Include EMC Isilon Scale-Out NAS Storage

20 August 2013

Netformx announced today that EMC® Isilon® scale-out NAS Storage Systems are now available in its award-winning product, Netformx DesignXpert®. Netformx DesignXpert is built on the Netformx KnowledgeBase™. EMC Isilon is now included in the Netformx KnowledgeBase.

EMC Isilon's scale-out network attached storage (NAS) provides a powerful, simple, efficient way to consolidate and manage enterprise data and applications. Netformx KnowledgeBase now includes Isilon storage products and reference architectures. Included is the Isilon scale-out NAS product family of S-, X-, and NL-Series nodes, Accelerator nodes, Titan racks, and InfiniBand switches, as well as Syncplicity, EMC's cloud-based solution for enterprise-class file sync, mobility and collaboration.

Isilon platform nodes, accelerators, racks, and switches have been added to the Netformx KnowledgeBase—including specialized content, technical information, reference drawings, and configuration rules with error checking.

EMC Isilon joins other leading equipment vendors in the Netformx KnowledgeBase which includes over 545,000 products and more than 2.45 million configuration rules.

Validated designs generated using Netformx DesignXpert result in significant improvements in accuracy and productivity, as well as time- and cost-savings.

Using Netformx DesignXpert, more than 2,680 customers in over 144 countries create proposals with higher win rates, resulting in happier customers and more profits.

Isilon storage solutions are accessible to all users of Netformx DesignXpert Cisco Gold and Platinum editions.

“As part of the Netformx DesignXpert solution resellers can easily and efficiently incorporate Isilon scale out NAS as they look to configure IT environments,” said Sam Grocott, Vice President of Marketing and Product Management, Isilon.

“As data center and cloud computing implementations grow, being able to use a single integrated and automated design system that includes network as well as storage equipment has become critical to reseller profitability,” said John Trembley, Vice President of Marketing and Product Strategy at Netformx. “Incorporating Isilon into Netformx DesignXpert speeds up the process, providing more accurate data center designs—and therefore customer satisfaction.”

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Learn more about Netformx DesignXpert, the global leader in enterprise technology design and proposal generation.

More information about EMC Isilon scale-out NAS can be found at www.emc.com/isilon

Read the InterComms Magazine article "Reducing the Complexity of Data Center Design" including an interview with Scott Boynton, Senior Data Center Strategy Manager at Netformx.

Read the Pipeline article and interview with Mike Fitz, Vice President of Solution at Sprint entitled "The Next Profitability Challenge: Enterprise Cloud".

Learn more about the Netformx KnowledgeBase, the richest multi-vendor content library in the world.

Discover how Netformx customers benefit by accessing detailed customer success stories.

Connect with Netformx on Twitter.

Connect @EMCIsilon on Twitter.

About Netformx

Netformx is the leader in collaborative requirements-to-order software solutions for enterprise technology. Netformx's customers include service providers, systems integrators and equipment vendors who rely on the company's award-winning solutions to create and sell the information, communications, and technology solutions that power business.

Netformx has over 2,680 solution providers as customers in more than 144 countries. Customers include AT&T, Belgacom, Bell, CDW, CenturyLink, Cisco, Dimension Data, HP, Insight, Juniper, Orange Business Services, Sprint, Swisscom, Telstra, Verizon, and WWT. The Netformx KnowledgeBase™ is the only comprehensive multi-vendor content library for technology products, including specifications, validation rules, pricing, ordering information, and discovery mappings from top technology suppliers including Cisco, Brocade, HP, Juniper, Avaya, APC, Belden, Plantronics, Polycom, and TrippLite.

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Rush Gears Offers Online 3-D CAD Design Files at www.rushgears.com

20 August 2013

Rush Gears redesigned website allows users to download a 3-D solid model and 2-D drawing from 150,000 pre-engineered spur, helical, bevel, miter, change, internal, rack, worm gear sizes.

Once downloaded and saved in one of the many available formats, users may modify the 3-D solid model and insert it directly into the assembly. The free online tools ensure fit and function without prototyping and tooling changes.

Rush Gears Inc. has been an American producer of Industrial Gears since 1919. Formerly called Globe Gear Company, the name was officially changed on January 1, 1998, to better reflect our service, "rush" and our product, "gears." Rush Gears services thousands of applications ranging from Agriculture, Machine Shops, Manufacturing, Mining, Robotics, Packaging, Printing, Textiles to Woodworking. Uniquely, Rush Gears offers all customers six levels of service.

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TEDCF Ships Inventor 2014 Tube, Pipe Training Course

21 August 2013

TEDCF Publishing, an Autodesk authorized developer and producer of interactive, multimedia training courses, today announces the availability of Autodesk Inventor 2014: Tube and Pipe Routed Systems.

The course has 5.5 hours of video based instruction showing how to work effectively in the tube and pipe environment. David Melvin, PE, the author of the course, demonstrates effective procedures for setting up tube and pipe projects as well as showing what users need to do to build reliable tube and pipe runs.

While keeping a focus on productivity and best practices users learn how to use the tube and pipe styles editor, how to set up routes and runs, how to author parts, how to design custom iParts, how to handle large tube and pipe assemblies, and many more advanced topics.

“This course really does cover everything you need to know about the tube and pipe module.” said John Koop, software engineer for TEDCF Publishing. “Anyone who watches this course can be designing detailed, bulletproof assemblies in no time at all.”

The course is the fifth part in a seven part series of courses for Inventor 2014 that will be released this year. It is currently available on DVD, as a direct download or through the TEDCF Streaming Video Service.

The lesson player has several customizable features designed to meet user needs. Users can slow down or speed up the video playback rate, which allows the user to learn at their own pace. When the user closes the lesson player it will automatically open to the same place in the course, so bookmarking is automatic. Hotkeys are available to pause, play, review, and proceed to the next lesson, and it has a search engine that helps users quickly find lessons.

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Visual Technology Services announces latest PDF3D® 2.8.0 release

21 August 2013

PDF3D version 2.8.0 is now available and incorporates new 3D PDF features for engineers. Driven by the technical needs of the scientific and engineering communities, the latest PDF3D® 2.8.0 release from Visual Technology Services enhances and adds new features to the 3D PDF family of products with specific focus on 3D reporting.

We have been working closely with earth science users and engineers over the past few months to create solutions that enable the easy communication of complex technical data to remote teams. Many new features have already been welcomed by scientists and we're delighted with the feedback so far," said Ian Curington of PDF3D.

PDF3D software is actively used worldwide for technical 3D workflows in life sciences, marine, civil, environmental engineering projects, earth resource exploration, numerical modeling, and general scientific data visualization reporting. The new release V2.8 includes updates to ReportGen, plugins and the software developer toolkit PDF3D-SDK (www.pdf3d.com). Geospatial engineering features have also been added to include KML, GeoTIFF and GeoVRML for improved reporting. Enterprise and commercial integration partners will find extended parameters for refined rich document control during batch production, as well as many internal improvements requested by users including:

- Improved NURBS Smooth Surface control
- Large 3D Point Cloud simplification
- Improved View, Light, Interaction for 3D scenes
- Multi-language support including Arabic, English, French, German, Italian, Japanese, Portuguese, Russian, Serbian and Spanish.

PDF3D is an innovative independent 3D technical publishing technology for 3D models viewable in PDF documents. Covering a wide range of applications from geospatial, geology, aerospace, architecture, product packaging, and online sales & marketing, PDF3D makes it practical to distribute interactive 3D documents to everyone with the free Adobe® Reader.

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Yunique Solutions Upgrades its Integrated Sourcing Module in YuniquePLM

22 August 2013

Yunique Solutions, creator of YuniquePLM product lifecycle management software, announces significant improvements to its integrated sourcing module within YuniquePLM. The integrated sourcing module streamlines the collaboration between in-house teams and global suppliers. Involving sourcing teams early in the product development process is essential to ensuring the delivery of the right

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product, on time and at the right cost.

Darioush Nikpour, vice president of Product Management for Gerber's Yunique Solutions business said, "When redesigning our integrated sourcing module of YuniquePLM, our focus was to listen to the major issues facing sourcing teams and suppliers worldwide. Product development teams, production teams and global suppliers all need an intuitive tool, that's easy to manipulate and provides streamlined communication between all players in the product development process. At Yunique Solutions, our team is always taking into account user feedback to constantly improve our PLM solution."

With these newly added features, all relevant data can be linked to a supplier to facilitate the sourcing process. Users can manage multiple sourcing folders, add as many styles as required, and send as many requests for quotation as needed. Development teams can approve several quotes simultaneously and make commitments for production. Amongst the many newly added capabilities are:

- Relationship Management
- Compliance Tracking
- Create and Track CAP (Corrective Action Plan)
- Integrated Business Intelligence, Alerts and Dashboard
- Mass Sample Request
- Enhanced RFQ to Multiple partners
- Multi BOM capability
- Supplier BOM Option via srmOn

The YuniquePLM sourcing module provides users visibility into the production process in real time, enhances communication between in-house teams and trade partners to reduce production miscues, and improve speed to market with lower costs.

About Yunique Solutions

Yunique Solutions is the product lifecycle management business unit of Gerber Technology. YuniquePLM and webPDM software enables organizations to connect their creative teams with their supply chain to get the right products to market, on time and at the right cost. These systems can help businesses of all sizes accelerate time to market, reduce lead time and improve margins by managing the details of line plans, tech packs and samples and simplifying communication and collaboration with global partners.

About Gerber Technology

For more than four decades, Gerber Technology has been the world leader in providing sophisticated hardware and software systems to automate and more effectively manage the product design and manufacturing process. The company serves 25,000 customers, including more than 100 Fortune 500 companies, in the aerospace, apparel, retail, composites, packaging, furniture, technical textiles and transportation interiors industries in 130 countries. Gerber's products help users move faster, at less cost

and with the highest quality.

Based in Connecticut, USA, Gerber Technology is owned by Vector Capital, a San Francisco-based, global private equity firm specializing in the technology sector that manages more than \$2 billion of equity capital. Visit www.gerbertechnology.com for more information.

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Zuken Releases CR-5000 Enterprise PCB Design Software

20 August 2013

Zuken, a leader in electronic systems design, announces the latest release of its CR-5000 enterprise PCB design software.

CR-5000 Version 15 features enhanced collaboration with EMS and simplified implementation of high-speed interfaces. Other new functionality includes routing with impedance control for improved signal integrity management, and day-to-day productivity enhancements.

Steve Chidester, Head of International Marketing, comments, “We continue to provide significant support and development for our CR-5000 product line, the world’s most-used PCB design solution. Our customers are continually seeking more ways to improve their productivity and overall design quality. This new release is the direct result of customer feedback and requests.”

Control Impedance for Improved Signal Integrity Management

As high-speed interfaces are becoming ubiquitous, simplifying their implementation is vital. CR-5000 Lightning includes new functionality for routing with impedance control that enables engineers to route to JEDEC standards and meet DDR3 performance specifications. This reduces design iterations and helps designers optimize circuits for the highest clock speeds. Routing with impedance control makes it easier for engineers to reduce impedance discontinuities in high-speed manual routing, such as lead-in routing specified in JEDEC standard JESD21-C for DDR3 memory.

Signal integrity management is also boosted through new automatic setup and hold measurements that make eye diagram studies much easier and saves time through the ability to automate data gathering. Engineers can now more easily evaluate key signal timing parameters on the interface before the design reaches prototype stage.

Data Exchange for Manufacturability

As board design becomes more complex, so does the manufacturing hand-off process. CR-5000 Board

Designer supports the latest version of ODB++ for exchanging fabrication and assembly data with the manufacturing community. Together with IPC-2581, Zuken offers a choice of output formats, allowing for efficient data processing that boosts productivity.

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ZWCAD+ 2014 Beta Launched

21 August 2013

ZWCAD Design has unveiled ZWCAD+ 2014 Beta, the new generation of their cost-effective CAD design software. This new version integrates easy file sync and mobile design features in the built-in online module. It provides more intelligent and connected workflows that allow users to access their design on the go.

ZWCAD+ 2014 enhances the collaboration with third-party cloud storage. Online Sync Module is added to help users rapidly open, visualize, edit, and share their ideas anywhere, anytime. In the past, designers had to upload files to the cloud separately, but with Online Synchronization, they can save drawings to authorized cloud storage with one simple click on the user interface. Whenever a user uploads a drawing onto cloud, he can quickly access it on the go with ZWCAD Touch, the mobile version of ZWCAD+ for smart phones and tablets. With totally free-of-charge functionalities and fast performance, ZWCAD Touch helps optimize ZWCAD+'s mobile design experience.

The newly-added Online Update is a convenient function in ZWCAD+ 2014. It can automatically find software updates once available, so designers can always work with the latest version to ensure their design efficiency and quality. The time saved by the new functionality can be used to inspire the designers of new ideas. Since everything will be done within the software, there will be less worry for installation failure due to version mismatch or any compatibility issues.

"The introduction of mobile devices into the AEC and MCAD industry is transforming the way that projects are built and managed," said Daniel Huang, Product Manager of ZWCAD+. "With Online Update and Online Sync in ZWCAD+ 2014, designers can explore more options of the design tool, collaborate effectively and experience great mobility."

About ZWCAD Design

ZWCAD Design Co., Ltd., the wholly-owned subsidiary of ZWSOFT, is an international CAD software provider with more than 320,000 users in 80+ countries and regions. Its product ZWCAD+ is used by CAD designers across the AEC and MCAD industries to continuously satisfy the needs of 2D and 3D drafters.

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