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CIMdata News

CIMdata Announces Successful 2013 European Market & Industry Forum and Releases Its 2012 PLM Market Analysis

19 April 2013

CIMdata, Inc., the leading global Product Lifecycle Management (PLM) management consulting and research firm announces the successful completion of its 2013 European PLM Market & Industry Forum—the second in a series of four global events. This forum was held in Bad Homburg, Germany on 16 April 2013 with 37 PLM industry participants representing 24 leading PLM solution providers.

CIMdata's PLM Market & Industry Forums are the world's premier gatherings of technology and service providers focused specifically on the PLM market and the issues concerning its development and growth. Participants gathered to hear CIMdata's perspective on the state and trends of the PLM market, as well as a detailed discussion of CIMdata's research and viewpoints on the 2012 PLM market results. These included CIMdata's extensive analysis and forecasts regarding market growth across PLM domains, industries, and regions, and the performance (revenue and market share analysis) of leading PLM solution providers.

In CIMdata's annual "State of PLM: Today's Market and Leading Trends" address, Peter Bilello,

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CIMdata's President, stated that "While the PLM market continued to grow last year, the third and fourth quarters proved to be sluggish for many PLM solution providers. The 'New Normal' in the business environment, which requires companies of all shapes, sizes and industries to do more with less, continues to drive industrial companies to pursue and implement PLM strategies." He added, "The new social-savvy workforce and the manner in which they expect to communicate and collaborate is changing the way companies execute projects. In many ways, product development as we have known it is dying. To support this significant movement, CIMdata has formed a Social Product Development & Collaboration PLM Knowledge Council to research topics of importance to both industrial companies and solution providers."

Gerard Litjens, CIMdata Director of European Operations added that "This year's forum was a great success, not only because of the representation by senior executives of leading PLM Solution and Service Providers who attested to the relevance of the forum by fitting this day into their already busy diaries. However, the real success came because the audience was very engaged in the topics and the content of the forum, asking relevant questions and participating in timely and interesting discussions, which made this a truly interactive event."

In Mr. Bilello's concluding remarks, he commented that significant opportunity still exists in emerging markets and industries, as well as mature ones. He went on to say, "As the market moves forward, the challenge will be how to best enable the new social ways of working. This is a challenge for PLM solution providers as well as industrial organizations."

Commenting on the PLM market in 2012, Stan Przybylinski, CIMdata's Vice President of Research, said, "The year started out looking to be just as strong in 2012 as it was in 2011, but slowed in the second half, resulting in total revenues below our forecast." Recent statistics compiled by CIMdata show that the Comprehensive PLM market experienced 11.3% growth in 2012 to \$33.3 billion. Mr. Przybylinski added, "Growth moderated in some segments, like mechanical computer-aided design (MCAD), while simulation & analysis (S&A) continued its rapid expansion." A wide range of companies in many industries continued investing in PLM to achieve short-term benefits as well as long-term strategic value throughout the product lifecycle and across their extended enterprises. "CIMdata has long defined PLM as a strategic imperative to achieving long-term strategic value, and this year's market statistics and our other market research with end user companies still supports that view," noted Mr. Przybylinski.

In addition, the agenda included sessions on trends in the market addressed by CIMdata's PLM Knowledge Councils, a set of collaborative research panels, that bring together leading end user companies and PLM solution providers to help advance the state-of-the-art and best practices in emerging product lifecycle management disciplines. These sessions included "Cross-Disciplinary Collaboration," "Democratizing Simulation to Improve Decision Making," "Changing Decision-Making Dynamics in CAD," "Big Data and PLM," "Visual Decision Making," and "Mobile Applications in PLM." The European PLM Market & Industry Forum is the second in a global series, with the next session scheduled for 19 April 2013 in Beijing, China. The forum series will conclude on 24 April in Tokyo, Japan.

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The PLM Market & Industry Forums provide a first look at CIMdata's PLM market estimates. The full analysis will be released in the CIMdata PLM Market Analysis Report Series. For more information, please see www.CIMdata.com.

You can read tweets from the event at #PLM4um.

CIMdata's 2013 PLM Road Map conference in conjunction with PI Congress will take place on 9 and 10 October at the Hilton Chicago Indian Lakes Resort.

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic management consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding in 1983, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM-enabling technologies.

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata's services, visit our website at www.CIMdata.com, follow us on Twitter: <http://twitter.com/CIMdataPLMNews>, or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA, Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands, Tel: +31 (0) 495.533.666.

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Company News

Centric Software Names Fabrice Canonge Vice President, General Manager of European Operations
16 April 2013

Centric Software, Inc., has named Fabrice Canonge vice president and general manager for European operations.

Canonge previously served as European sales and marketing director for Centric, provider of product lifecycle management ([PLM software for retail, apparel, footwear, luxury and consumer goods](#)) companies. He has played a major role in the growth of Centric, and particularly in the acquisition of key European customers, according to Chris Groves, president and CEO.

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“Fabrice’s leadership has helped drive Centric’s rapid growth and success in the PLM industry, and played a major role in bringing Centric to its position as a market leader across Europe,” says Groves. “His talent and commitment to excellence are valuable assets to the expanding Centric team as the company continues to experience growing demand in Europe and increasing European operations.”

Before joining Centric in 2004, Canonge held the position of vice president, sales and marketing, for DynaSys S.A. (division of QAD). He also has worked as a process sales manager for Finmatica and senior sales executive for PTC. Canonge holds a degree (Magister Studies at the bac+5 level) in sales and marketing from Ecole de Management de Marseille (Euromed Management – School of Management and Business) in France. He resides in Aix-en-Provence, France.

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Cimatron Donates Leading CAD/CAM Software to North Iowa Area Community College

18 April 2013

Cimatron Technologies Inc., a subsidiary of [Cimatron Limited](#), today announced that it will provide 25 seats of its CAD/CAM software CimatronE to the North Iowa Area Community College (NIACC) at no cost.

Working together to address one of the largest crises facing the manufacturing industry - the lack of skilled workers, Cimatron and NIACC's CAD/CAM educational courses will give students the fundamentals needed for success in the field.

"We are pleased to be able to give back to the community in such a way that directly impacts the manufacturing industry," said Mr Bill Gibbs, Cimatron's President North America.

"We appreciate what Cimatron is doing to help colleges like ours offer the highest levels of technology to our students," said Dr. Debra A Derr, President of NIACC.

"Students coming out of this program will be ready to assume a productive role in the manufacturing sector and fill some critical skills gaps that are challenging manufacturers today."

NIACC tool and die instructor Kevin Losee is excited to be trained on the new software so it can be used in classes this fall: "We partner with many businesses in the area and we are always grateful for those partnerships. We are eager to begin this new partnership with Cimatron. The software we will be using from Cimatron is another tool we can use in training our students in the ever changing world of manufacturing."

Continuing education opportunities for existing businesses that utilize the software will also be explored in the future.

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D|C|CADD Earns Autodesk MEP Systems Engineering Specialization

16 April 2013

[D|C|CADD](#) today announced that it has been awarded the new [MEP Systems Engineering Specialization](#) designation for value added resellers from Autodesk, Inc.

The new Autodesk Partner Specializations enable partners like D|C|CADD to highlight and brand their capabilities in delivering services in key industry areas. By completing the required curriculum and training, as well as meeting high levels of service and standards, D|C|CADD once again demonstrates their expertise and ongoing commitment to customer service and support.

D|C|CADD MEP Systems Engineering Specialists understand the challenges faced by today's professionals and are trained to work with Autodesk MEP products to help customers increase productivity, improve building system performance and collaborate more effectively.

“Being a valued business partner to the many MEP Consulting Engineers in Texas has been a priority for us over the past 26 years,” said company president Doug Wietbrock. “Several our employees have real-world experience with HVAC, Electrical and Plumbing systems design allowing us to deliver high quality services and support to our MEP customers.”

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DEM Solutions Named 2013 Red Herring Top 100 Europe Winner

18 April 2013

DEM Solutions announced it was selected as a [Red Herring Top 100](#) winner, recognizing the Company as one of Europe's leading privately held technology companies with disruptive technology in the Computer-Aided-Engineering (CAE) simulation software sector.

“Selecting early-stage companies that show the most potential for disruption and growth is never easy,” said Alex Vieux, publisher and CEO of *Red Herring*. “We looked at hundreds of candidates from all across the UK and Europe, and after much thought and debate, narrowed the list down to the [Top 100 Winners](#). Each year, the competition gets tougher but we believe DEM Solutions demonstrates the vision, drive and innovation that define a Red Herring winner.”

“DEM Solutions' growth demonstrates that companies with technologies and solutions that address real market needs and compelling business models can prosper even in a challenging economic climate,” stated Dr John Favier, CEO of DEM Solutions. “DEM simulation is now being widely adopted in many

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of the major equipment manufacturing and process industries, as it provides a 'real world' level of detail of bulk solid materials like no other CAE technology. Our EDEM® simulation software, supported globally with our application and deployment know-how, enables us to address a broad spectrum of industries wishing to employ DEM in their engineering design and R&D. Having established a broad customer base of Tier 1 companies and leading academic research institutes, we are expanding our product portfolio to deliver software solutions for key sectors such as Mining which is set to gain enormous value from DEM simulation. We believe our EDEM BulkSim Solutions for the Mining industry will become the industry standard for simulation-based design of production critical bulk materials handling equipment, such as chutes and transfer points, that are better performing, more reliable, improve user safety and improve the bottom line."

Red Herring's Top 100 Europe list has become a mark of distinction for identifying promising new companies and entrepreneurs. *Red Herring's* editors were among the first to recognize that companies such as Facebook, Twitter, Google, Yahoo, Skype, Salesforce.com, YouTube, and eBay would change the way we live and work.

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Mentor Graphics Collaborates with The University of Nottingham Ningbo China (UNNC) to Open Integrated Circuit Design Laboratory

15 April 2013

Mentor Graphics Corp. today announced the opening of a new Mentor-sponsored electronics design laboratory at The University of Nottingham Ningbo China (UNNC), Zhejiang province. As part of a mutual agreement, Mentor has donated more than \$10M in EDA software and support to enable UNNC students to graduate with in-depth knowledge of leading-edge design methodologies.

The first Sino-foreign university in China, UNNC's student population has grown from over 250 to more than 5,500 undergraduate and postgraduate students since 2004. With internationalization at the heart of its development, UNNC is effective in bringing industry-leading technology to the Chinese market.

"UNNC is enthusiastic about the new electronics design laboratory sponsored by Mentor Graphics," said Professor Gethin Roberts, dean of the Faculty of Science and Engineering, UNNC. "As China's IC industry continues to develop rapidly, engineering students can feel confident in addressing the expanding need for designers knowledgeable in the most current design tools and methodologies."

Under the auspices of the Mentor® [Higher Education Program \(HEP\)](#), the lab at UNNC is poised to become a center of excellence for future engineers in the region. In addition to donated software, Mentor is opening on-line support and providing material to quickly enable UNNC to develop a leading-edge teaching and research program for designing very large-scale ICs.

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“Highly talented electronics engineers are in great demand worldwide, particularly in fast-growing China,” said Danny Perng, vice president, PacRim, Mentor Graphics. “Our collaboration with Nottingham will help ensure that engineering students at the university are well-prepared for their careers in IC design.”

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Pratt & Whitney Partners with University of Connecticut to Advance Additive Manufacturing Research

11 April 2013

Pratt & Whitney, a United Technologies Corp. company, partnered with the University of Connecticut to establish one of the nation's most advanced additive manufacturing laboratories, the Pratt & Whitney Additive Manufacturing Innovation Center.

"We are excited to further strengthen our partnership with Pratt & Whitney, an industry leader in using additive manufacturing technology," said Susan Herbst, president, University of Connecticut. "Our partnership with Pratt & Whitney is a great example of how industry and universities can work together to enhance research capabilities."

This state-of-the-art facility will be used to further additive manufacturing research and development, and is the first in the Northeast to work with metals rather than plastics. Additive manufacturing is the process of joining materials to make objects from 3D model data, usually layer upon layer, as opposed to subtractive manufacturing methodologies. Materials are added, versus the traditional subtractive methods such as stamping, forging, computer numerical controlled machining, to precise geometries determined by CAD drawings.

"The University of Connecticut's outstanding technical capacity complements our fundamental research needs and will help us continue to grow our additive manufacturing capabilities," said Paul Adams, Pratt & Whitney's chief operating officer. "Additive manufacturing is complimentary to traditional methods by enabling new innovation in design, speed and affordability. It is necessary to build the next generation of jet engines. We are currently using additive manufacturing to build complex components with extreme precision for the flight-proven PurePower® commercial jet engine."

Pratt & Whitney invested more than \$4.5 million in the Pratt & Whitney Additive Manufacturing Center and over the next five years will invest more than \$3.5 million in the facility. In 2010, Pratt & Whitney established a research Center of Excellence at the University of Connecticut. The Pratt & Whitney Center of Excellence at UConn focuses on fundamental and applied research initiatives that support the design and development of more efficient gas turbine engines. UConn's primary research is in the field of advanced sensors, diagnostics and controls.

The [University of Connecticut](#) is one of the nation's leading public research universities. UConn's main

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campus in Storrs, CT is admitting the highest-achieving freshmen in University history. As a Carnegie Foundation Research University, the University of Connecticut has more than 100 research centers and institutes supporting its teaching, research, diversity, and outreach missions.

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PRION Group Announces Global Alliance Agreement with Siemens PLM Software

16 April 2013

PRION Group has announced it signed a global alliance agreement with Siemens PLM Software, a business unit of the Siemens Industry Automation Division and global provider of PLM software and services.

Under this agreement, both partners will cooperate strategically according to Siemens PLM Software's Consulting & System Integration (C&SI) Partner Program. The intention of this alliance is to help customers get the maximum business benefits out of Siemens PLM Software's products.

Today product-focused organizations find themselves more and more challenged to make the best possible use of scarce resources, transform their product portfolio from margin-critical mature markets into innovative emerging markets, meet compliance regulations, etc. – mostly on a global level. Consistently managing processes and product data across the extended enterprise in a cost-efficient way is requiring best-in-class consulting and IT services to map business needs to efficient, standardized IT solutions.

PRION Group focuses exclusively on high-end PLM and CAD solutions based on Siemens PLM Software's technology. Since its establishment in 1998 its business model and worldwide skill setup has been aligned with Siemens PLM Software.

Since then Siemens PLM Software and PRION Group have developed a long proven track record of successfully engaging together in numerous complex projects. Both partners share the concept of creating customer value through business driven solutions on a high level of delivery excellence, quality and reliability. Joint engagements in customer projects smoothly follow standardized processes, resulting in seamless alignment and minimized risk and effort for customers.

PRION Group's various complimentary offerings are highly synergetic contributions to many successful customer projects. The engineering process transition solution helps customers migrate to the latest Teamcenter technology. The plant lifecycle management solution helps new PLM customers in the energy, utilities and AEC industries. PRION Group as a main contractor is providing its customers with high-quality solutions in connection with Siemens PLM Software's latest technology.

PRION Group employs highly skilled and experienced individuals who tailor solutions to meet customer

CIMdata PLM Industry Summary

requirements using state-of-the-art information technology with a dedicated focus on Siemens' PLM software applications.

An important aspect of this agreement is the fact that both partners will jointly align their business plans to better serve more customers in additional industries, geographical regions, etc.

A major benefit for PRION Group customers is that they are constantly equipped with the latest and most comprehensive product information and with experts trained according to Siemens PLM Software standards - due to the company's commitment to fully enable its alliance partners.

"For more than a decade we have been working successfully with PRION in various countries and cooperation models where we've delivered consistent business growth and customer value," says Caroll Jarvis, vice president, Global Alliances, Siemens PLM Software. "We are happy and excited to raise the alliance to the level of a global C&SI partner. This strategic teaming will open up new choices and synergies for customers and prospects – in line with our value-driven corporate partner strategy."

"Entering into the global C&SI level of Siemens PLM Software's Partner Program is a strong affirmation of our durable partnership and again an important milestone in our company development. For us it's an obligation and a powerful promotion of our strategy to become a world-market leading service provider alongside Siemens PLM Software," explained Dr. Joseph Unger, CEO and co-founder of PRION Group.

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Technia Establishes a PLM Competence Center in Mumbai, India

17 April 2013

Technia announces today the establishment of an India subsidiary. This will increase Technia's global presence and ability to serve their international enterprise accounts. The India operation will enable their customers to benefit from industry leading skills in PLM and ENOVIA. The initial project deliveries are ongoing and the ramp up of the team is progressing as planned. Technia, with a mission to facilitate the future in innovation for its clients, has deployed a screening and test practice to recruit the best possible talents.

"It's critical to be present in India to fulfill our vision to be the #1 knowledge company in PLM. By attracting the best PLM and ENOVIA expertise in India we are creating a strong mix of world-class JAVA development and PLM implementation skills. The India team is working fully integrated with our US and European business to capitalize on existing Tools, IP and Industry process skills", says Jonas Gejer, CEO at Technia.

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Events News

12th AVEVA World France User Meeting Opens for Registration

15 April 2013

AVEVA today announced the opening of registration for its AVEVA World France User Meeting. At this 12th event, delegates will learn more about AVEVA's solutions for the design and construction of power and process plants, as well as those for project resource management and advanced visualization.

Based around the theme of Design, Fabricate, Construct, the event will provide opportunities to participate in technical discussions, exchanging experiences and current challenges across such industries as oil & gas, power and chemical. In addition, AVEVA will present its latest technologies, including the brand-new [AVEVA Everything3D](#) (AVEVA E3D™), enabling Plant Design for Lean Construction.

'The AVEVA World France User Meeting is a unique opportunity to see demonstrations of our latest technologies and to learn how AVEVA solutions are being used in different industry sectors,' explains Fredy Ktourza, AVEVA France Senior Vice-President, Western Europe and Africa. 'This year, one of the main topics for discussion will be AVEVA E3D, our next-generation plant design solution. AVEVA E3D enables those involved in the execution of major capital projects to continuously monitor and manage design as the project progresses. Critical decision-making is streamlined, providing a step increase in the level of design efficiency that can be achieved, and enabling better-quality projects to be delivered more quickly.'

'It is exciting that we are also hosting this event for the 12th time; a testament to the strength and commitment of our customer relationships. Every year, we are able to keep the content fresh by presenting exciting new products and case studies. And we always look forward to seeing our customers, both new and old.'

Other AVEVA products being featured include [AVEVA Bocad Steel](#)™ for structural steel detailing and fabrication, and [AVEVA Electrical](#)™, a feature-rich software suite for electrical engineering and design.

The AVEVA World France User Meeting 2013 will be held in Paris on 5 June 2013 in the Claude Lévi-Strauss Theatre at the quai Branly museum. It is a technical user meeting designed for the needs of end users, CAD administrators and engineering managers. To register visit www.avevaworld.com/france.

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3D Systems' Anchors First Inside 3D Printing Conference

18 April 2013

CIMdata PLM Industry Summary

[3D Systems](#) announced that it will bring its next generation consumer and professional 3D content-to-print experience to the first [Inside 3D Printing Conference and Expo](#) at the Javits Convention Center, New York City, NY, from April 22 – 23, 2013, booth 102.

3D Systems plans to showcase its latest line up of [consumer](#) and [professional 3D printers](#), 3D printed products, and apps delivering an exclusive 3D lifestyle experience. Attendees can browse at the Cube Café, check out our new [Cube®](#) and [CubeX™](#) 3D printers, see [full color 3D printing](#) in action and get creative with gamified 3D design apps. Arts and entertainment brands and app developers are invited to learn how to monetize their intellectual property and creativity on 3D Systems' hosting, publishing and production platform, [Cubify](#), and join in the 3D printing revolution.

Avi Reichental, 3D Systems' President and CEO, will present the opening keynote, 'Manufacturing the Future', on Monday April 22, 2013 at 9:30 am. "We are thrilled to bring our consumer and professional 3D printing experience to *Inside 3D Printing*," said Cathy Lewis, CMO 3D Systems. "We invite attendees to explore the potential of 3D printing and global brands and developers to experience our secure Cubify hosting, publishing and production platform to introduce the 3D lifestyle to their audiences."

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How to Manage and Organize Ideas for Process Improvement

16 April 2013

At the upcoming exhibition "IndustrieLyon 2013", from 16 to 19 April, KRONTIME (stand 6w68) unveils the 2013 version of its software intended for Production Engineers. Without an equivalent on the market, the software suite Krontime Improvement® provides information on the status of ongoing actions in the plant or in the Group. It analyses and compares the different sites.

Without an equivalent in the world of Production Engineering, the Suite Application **KRONTIME IMPROVEMENT®** is specially designed for engineers working daily on improving processes in Mechanics, Food Processing and fine Chemical industries.

"We have clients who own several plants and need to manage 50 to 100 ideas of improvement processes each week. It can be difficult to choose the best improvement, document it, follow the installation, estimate the Return On Investment (ROI), select the best ideas and then use them in other factories" explains Jordi Portella, Manager of the Software Editor. "Our application Suite offers an effective way to exploit the vast reservoir of ideas for improvements that exist in any business»

- **Ideas Inbox Management** is a module designed to leverage employee's experiences and ideas to improve working operations and overall production efficiencies. This product allows users to collect, document and share ideas for improvement. Once all the ideas have been collected, the Production Engineer can start documenting the process.
- The module **Management and Planning of Improvements** manage improvement ideas coming from personnel on all levels of the company, standardise the methodology of continuous

CIMdata PLM Industry Summary

improvement processes and organise the implementation of improvement actions. The outcome is not only a more efficient business but can also lead to changes in people's behaviour. Most companies' business advantage starts when the workforce leads the improvement of manufacturing processes. Krontime offers an effective user-friendly solution to identify, maintain and report process improvements. Implementing an appropriate improvement plan and continuous improvement culture, will have direct impact on the process analysis and process indicators, which will have a better overall equipment effectiveness.

- The module **Info-Line Dashboard** provides real time information to managers and team leaders about improvement initiatives (ROI, budget) and implementation progress.
- The module **Multi-site Analysis** systemizes and increases productivity and efficiency of multi-site companies, supporting and controlling manufacturing process improvement actions with respect to specified objectives and global productivity plans. Corporate managers will be able to track improvements, benefit from automatic dashboards and compare improvement results for different plants from within the group.

Engineers in charge of process improvements are then able to monitor the 50 to 100 improvement actions in the company. Using graphic tools, they can easily compare the projected gains and real gains, month by month, accumulated over the year, action by action, by department or in the overall factory. Another advantage: with the unique database and dynamic links, it is very easy to go back to studies related to find key data, build an improvement project identical on another site or understand the history of a project...All these data are traceable and will be reusable by Production Engineers in the group. «As soon as a project is successful, information, feedback and history may be communicated to the other factories of the group for general deployment. "Gains are considerable" concludes Jordi Portella, Manager of the Software Editor.

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Industry Analyst Joe Barkai Presents on The Future of Manufacturing at Aras ACE 2013 Conference April 30 – May 2

18 April 2013

Aras® today announced industry analyst Joe Barkai guest keynote at ACE 2013, Aras's global conference which takes place April 30 – May 2 in Troy Michigan, USA.

Mr. Barkai's presentation, The Future of Manufacturing, explores trends in manufacturing and supply chain strategies to realize a virtual global plant floor, cutting edge manufacturing innovations in new materials and processes, and methods to capture and retain new markets, all of which are instrumental and critical for the future of the manufacturing economy.

ACE 2013 -- April 30 – May 2

Detroit Marriott Troy, Michigan, USA

Free to Attend - No Fee (Space is Limited - Registration Required)

Details and Registration: <http://www.aras.com/ACE2013>

CIMdata PLM Industry Summary

Joe Barkai, former Vice President, IDC Manufacturing Insights, is an industry veteran whose deep experience includes engineering & manufacturing product lifecycle strategies in the high tech, automotive, industrial, consumer, medical and healthcare industries.

“Even with unprecedented economic uncertainty, global manufacturers are optimistic and see new ways to spur profitable growth,” noted Barkai. “Manufacturers everywhere are moving to capitalize on these opportunities by taking advantage of advancements in processes, products and materials. A key component of their success includes a strong underlying platform, such as PLM, to support and fully realize these efforts.”

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Lectra to Sponsor North Carolina State University's Fashion Week 2013

16 April 2013

Lectra is pleased to announce its sponsorship of North Carolina State University's Fashion Week 2013.

NC State Fashion Week 2013, with a theme of "A Celebration of Creativity," will take place on April 22-26 at the school's Raleigh, NC campus. The event will showcase the importance of ideation, collaboration and innovation; and will feature industry leaders, educational forums, fashion shows and exhibitions of student work. Anastasia Charbin, Fashion Marketing Director, Lectra and Hari Kenkare, Schools Partnership Manager, will participate in an educational forum on Design, Innovation and Technology.

NC State's College of Textiles, a Lectra Privilege education partner, has been using Lectra software and cutting solutions in their program for more than 15 years. Students can leverage Lectra's full range of solutions, including fashion and textile design, advanced pattern-making and 3D virtual prototypes, pre-costing and production markers, high performance cutting and finally, Lectra Fashion PLM to manage the entire collection development process.

"Through the Privilege Partnership, Lectra solutions have helped to broaden the technology repertoire of our students," comments Dr. A. Blanton Godfrey, Dean and Joseph D. Moore Distinguished University Professor of NC State's College of Textiles. "We appreciate the contributions of all our Fashion Week 2013 sponsors—they make a lasting impact on our institution, not only for the faculty and administration, but also for the students, who benefit from seeing companies show an interest in their success."

"Lectra has a rich history of bringing the latest fashion industry technologies to the NC State College of Textiles. We are excited to sponsor Fashion Week 2013 and see how students are preparing for the next stage of their careers," notes Roy Shurling, President of Lectra North America.

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Lectra is committed to nurturing future professionals in the fashion industry and NC State is one of more than 850 educational institutions that have integrated Lectra solutions into their curricula.

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Mastercam Software Used Exclusively at WorldSkills Leipzig 2013

16 April 2013

Mastercam is the official supplier to the three machining competitions at WorldSkills 2013: CNC Turning, CNC Milling, and the Manufacturing Team Challenge. The Manufacturing Challenge requires the teams to use Mastercam to produce parts on Lathe and Milling machines that may be assembled together to produce a workable product.

The competitors practice for up to a year honing their skills with Mastercam, either in their job or their school. CNC Software, Inc. provides Mastercam free of charge to WorldSkills competitors for the year leading up to the competition.

WorldSkills Leipzig 2013 will be the world's largest international skills competition with young people from across the globe competing to be the best of the best in their chosen skill. The competition takes place at Leipzig Trade Fair from July 2-7, 2013. Billed as the "Olympics of the skilled trades," competitors will compete for Gold, Silver, and Bronze medals to take back to their respective countries.

WorldSkills has come to symbolize the pinnacle of excellence in vocational training. Every two years, hundreds of young skilled people, accompanied by their teachers and trainers, gather from all corners of the globe to compete before the public in the skills of their various trades, and test themselves against demanding standards.

CNC Software is active in this competition at a grassroots level, helping the contestants around the world with software to prepare for the event. This is done in conjunction with the local Mastercam Resellers to get them involved with future engineers and machinists.

WorldSkills is held every 2 years, with the competition moving to São Paulo, Brazil for 2013. For more information on WorldSkills, please visit www.worldskills.org.

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Nemetschek Scia Previews Centralized BIM Solution for Steel Fabrication

16 April 2013

CIMdata PLM Industry Summary

Nemetschek Scia will preview Scia Steel Manager—the first centralized Building Information Modeling (BIM) solution for the steel fabrication industry—beginning April 16th through Thursday, April 18, 2013, at the Renaissance St. Louis Grand Hotel. This exclusive event is open to fabricators who are using SDS/2 and/or Tekla for steel detailing.

Scia Steel Manager is the first model-based fabrication system for the steel industry. It links engineering and detailing with project management, material resource planning and production management into one integrated workflow, eliminating the inefficiencies that come with having to manage projects across the various software used in the steel delivery process.

With Scia Steel Manager, fabricators can seamlessly leverage BIM models and data, from design through erection. It improves decision-making, eliminates redundancies and shortens project schedules by centralizing all design, project and production information into a single integrated system. Now, fabricators can monitor and visualize in 3D the status of any part from order to erection with a single click.

Scia Steel Manager is designed to allow fabricators to easily plug into today's larger BIM workflows and become a more proactive member of the design and construct process.

Users of Scia Steel Manager will benefit from:

- Model-based fabrication management linked to SDS/2 and Tekla Structures
- Visualization of the most efficient erection and production sequencing
- Visualization in real-time of the design, production, delivery and erection of single or multiple projects running simultaneously
- The ability to automatically create short- to medium-term fabrication plans directly from the SDS/2 and Tekla Structures models
- Simulation of the production process in order to virtually route parts and reallocate resources to eliminate bottlenecks and optimize production
- Identification of problems before they result in delays and problems on the site
- Automatic nesting of parts. Generation of CNC production data, and more accurate costing over time based on data read back from machines
- Quality management tracking (including welds) with full traceability of parts from order to fabrication through erection
- Seamless tracking of parts with bar codes and links with your ERP system for accurate financials

For more information about this event, which takes place in tandem with NASCC: the Steel Conference, please contact Joe Jun, Structural Engineering Consultant at Nemetschek Scia, via email at jjun@nemetschek.com or telephone at +1 (630) 219-9030.

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New Features in KRONTIME 2013

16 April 2013

At the upcoming exhibition Industry-Lyon2013, from 16 to 19 April, KRONTIME (stand 6W68) unveils version 2013 of its software intended for Production Engineers. Three application suites meet three key industrial issues: the definition of the process, the management of the working methods and lines of operations and the planning and management of improvements.

1. **KRONTIME PROCESS®** is a suite of products to help Process Engineers rethink the way they operate by defining manufacturing workflows, associate critical documentation, simulate the process "in context" of a production plan. It also helps analyse operational costs, follow-up on key production engineering performance indicators, analyse results and publish information for manufacturing plants.
2. **KRONTIME METHODS ®** helps to define working methods, assign appropriate production times, allocate all required equipment resources, consider health and safety requirements, and estimate possible ergonomic risks. This software helps to work collaboratively with the quality department to determine key control steps, establish working groups, analyse results and publish information for manufacturing plants.
3. **KRONTIME IMPROVEMENT ®** helps to determine the level of success of an improvement investment, manage the capacity and allocation of resources, define task assignment, and implement a methodology that involves customers and suppliers.

New Features and improvements

The version 2013 of the Production Engineering Reference Tool is also characterized by new features and improvements:

- **A user-friendly and more productive interface :** «We want to improve the experience of Production Engineers by working on ergonomics, usability and productivity» explains Jordi Portella, creator and Manager of the Software Editor. «Now, a simple mouse click on the mouse is enough. Whereas in the past, three actions were needed»
- **Export to Excel Tools** "A function requested by users who wish to export data to communicate with other third-party software. This new Export to Excel feature allows users to export data from anywhere in Krontime directly to MS-Excel. It can define four parameters at the same time: rows and colours, columns, it can add borders, and select export format (xls for Excel 2003 and for Excel 2007 & 2010 xlsx and txt).
- **Smart features** Tasks can be facilitated and time can be saved: "for example, when defining a routing process, Production Engineers sometimes wish to use standards stored in the library. This new functionality allows users to insert an element stored in the standard elements library into the required study, by simply indicating the code of the element or part of the code.
- **"Break Link" Function** This new functionality gives the user the possibility of manually breaking the link between an elementary operation and other studies (such as elementary operation, time studies...)

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- **A powerful print module:** "With the new printing interface, users will be able to print Krontime reports and generate intelligent documents (PDF, Excel, Word or HTML formats) using the same menu, saving time and simplifying the whole process. The user can have use preliminary views of the printed version by specifying the page, the latest version..."

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Omnify Software to Hold 2013 Global Customer Conference May 16-17 in Lake Buena Vista, FL
16 April 2013

[Omnify Software](#) today announces that it is holding its [2013 Global Customer Conference](#) May 16-17, 2013 at the Walt Disney Swan and Dolphin resort in Lake Buena Vista, Florida.

The Omnify Software Customer Conference brings together manufacturing customers, technical staff, and technology and business partners throughout North America and Europe. The conference has been described by customers as a fantastic opportunity to learn from each other and a valuable event they look forward to attending.

Focused on customer application presentations, professional development and networking, the 2013 Conference will include an array of exciting speakers from companies such as: [Avid](#), [Crystal Technology](#); a [Gooch & Housego Company](#), [Compliance Dynamics](#), [EST Analytical](#), [Mevion Medical Systems](#), [Nujira](#), [Penny Goss Technical Solutions](#), and [Technology Research Corporation; a subsidiary of Coleman Cable Inc.](#)

A key presentation trend is using Product Lifecycle Management to address various manufacturing compliance requirements including environmental, Food and Drug Administration (FDA) and Quality regulations. Speakers will cover topics including:

- Managing Data and Documentation to Meet RoHS Recast Compliance
- Improving Business Processes with PLM for ISO Compliance
- Top Five FDA Software Documentation and Validation Questions
- Addressing Design Controls Leveraging PLM
- Managing and Automating Equipment Calibration in Empower PLM
- Integrating Enterprise Resource Planning (ERP) and PLM for Synchronized Design and Manufacturing
- Addressing the Challenge of Multi-site New Product Introduction (NPI)
- Document Management Best Practices
- Implementing Formal BOM and Change Management
- Deploying Enterprise Technology in the Cloud

"Our primary focus for the user conference is to foster customer collaboration and education," stated

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Chuck Cimalore, CTO for Omnify Software. "The conference is designed to promote user application presentations in order to deepen product skills beyond standard training while providing a forum for peer to peer networking and engaging with Omnify personnel to enhance their overall Omnify Software experience."

Conference attendees will be able to get access to, and provide feedback on, Omnify's upcoming product release, take advantage of one-to-one technical sessions and attend peer networking sessions.

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Saab to Present at Aras ACE 2013 Conference April 30 – May 2

17 April 2013

Aras® today announced that Saab Automobile Parts AB, a global parts and logistics company headquartered in Nyköping, Sweden, will present at ACE 2013, Aras's global conference which takes place April 30 – May 2 in Troy Michigan, USA.

The presentation, Global Product Definition to Serviceability, explains how Saab is approaching PLM for new products around the world with configuration management for all aspects of the vehicle system across the lifecycle. From new product vehicle system definition through manuals and methods for serviceability at the dealers, Saab has a comprehensive vision for the future of the automotive industry.

ACE 2013 -- April 30 – May 2

Detroit Marriott Troy, Michigan, USA

Free to Attend - No Fee (Space is Limited - Registration Required)

Details and Registration: <http://www.aras.com/ACE2013>

Saab Automobile Parts AB provides original replacement parts, accessories and associated services for Saab vehicles to the global network of Saab Authorized Repairers worldwide. Saab Automobile Parts AB's operations include the entire process chain, and Saab is a complete logistics partner providing logistics services for a number of other companies. For more information, please visit <http://www.saabparts.com/>

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Tata Technologies Engineers Present Two Innovative Papers at SAE 2013 World Congress – Auto Energy Recuperation and Fuel Efficiency, Door Set/Sag Simulation

16 April 2013

[Tata Technologies](#) announced that two of the company's engineering professionals, Gopal Athani and

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Roshan Mahadule, will present technical papers at the [SAE 2013 World Congress](#) in Detroit April 16-18.

Gopal Athani, is presenting his paper titled “Intelligent Alternator Control Mechanism for Energy Recuperation and Fuel Efficiency Improvement,” based on his work for Tata Motors Ltd., in India. Athani’s abstract reads, in part:

“... The most significant sources for recuperation are the kinetic energy of the moving vehicle or running engine and, to a lesser extent, the thermal energy from mediums such as exhaust gas. This paper describes and analyzes a method to recuperate electrical energy from a portion of the vehicle kinetic energy through an intelligent alternator control mechanism. ...”

Athani has more than eight years of experience in automotive and related manufacturing. He joined Tata Technologies in 2009 and holds a Bachelor’s Degree in Automotive Engineering.

Roshan Mahadule is presenting his paper titled “CAE Simulation of Door Sag/Set Using Subsystem Level Approach,” based on his work for Chrysler, at the Tata Technologies Center for Advanced Engineering and Design in Pune, India. Mahadule’s abstract reads, in part:

“... This paper provides an overview of the conventional approach for door sag/set study based on door-hinge-BIW assembly (system level approach) and a new approach, based on a subassembly (subsystem level approach). ... this new approach of door sag/set, at the subsystem level, evaluates the structural stiffness contribution of individual subsystems for door assembly performance.”

Mahadule has more than 11 years of industrial and manufacturing experience in the CAE domain. He joined Tata Technologies in 2008 and holds a Bachelor’s Degree in Mechanical Engineering and Master’s Degree in Design Engineering.

These technical papers are the latest in a series of automotive engineering innovations presented by Tata Technologies at the annual SAE World Congress. In 2011, the company launched its Vehicle Programs Development (VPD) Group, with more than 300 engineers operating from its four automotive engineering centers of excellence worldwide – Pune (India), Detroit (USA), Coventry (UK), and Stuttgart (Germany).

In 2012, the Tata Technologies eMO EV study was displayed at the SAE World Congress, after its debut at the 2012 North American International Auto Show. The eMO architecture emphasizes “right size” personal urban transportation by minimizing its exterior footprint and maximizing interior space; including seating for four adults. With sustainability in mind, eMO benefits from a low carbon footprint and a recyclability strategy. To reduce the overall carbon footprint of the manufacturing, assembly and other associated processes, Tata Technologies eliminated the traditional body shop and paint process, and utilizes many green product materials in eMO.

In March, 2013, Tata Technologies announced the [eMO-C](#), an all-new variant of eMO, aimed at a specific white space in the commercial market. To learn more about eMO and eMO-C, and Tata

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Technologies' vehicle engineering and design capabilities, [click here](#).

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Tata Technologies Presents Autodesk Design Smarter Seminar at Automation Alley, Experts to Discuss Benefits of Design Automation Strategy

16 April 2013

[Tata Technologies](#), an [Autodesk Gold Partner](#) in Manufacturing specialized in Simulation, Product Lifecycle Management, and Consulting, will host an Autodesk Design Smarter Series 2013 Lunch Seminar for manufacturing and industrial machinery clients at Automation Alley, in Troy, Mich., April 18, from 12-1:15 p.m. EDT, demonstrating the benefits of a best-in-class design automation strategy. There is no charge for the seminar, but advance registration is necessary.

At this event, Tata Technologies manufacturing and industrial machinery experts Josh Hunt, Ben Curtin, and Justin Rice will discuss the competitive advantage that creating a best-in-class product development process and design automation strategy with the [Autodesk Product Design Suite](#) can bring to a manufacturing organization's development platform, helping empower the sales team, and helping the organization lead in new production innovation:

- Configure products without engineering involvement
- Validate product configuration with rules-based design
- Focus engineering time on new product development
- Cut custom order delivery time without cutting quality

Learn how to spend more time on new product development and less time preparing bids. Speed up your custom product configuration to win more business. Empower your sales team to configure products without engineering involvement. Free engineering resources to focus on new product innovation. Complete custom orders in less time.

To register and reserve your seat, click here: <http://www.tinyurl.com/tataADSKdesign>

Lunch will be served. Reservations are limited.

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Financial News

ANSYS to Release First Quarter 2013 Earnings on May 2, 2013

12 April 2013

CIMdata PLM Industry Summary

ANSYS, Inc. announced that the Company expects to release its first quarter 2013 earnings on Thursday, May 2, 2013. The Company will hold a conference call conducted by James E. Cashman III, president and chief executive officer, and Maria T. Shields, chief financial officer, at 10:30 a.m. Eastern Time to discuss first quarter results and future outlook.

CONFERENCE CALL INFORMATION:

What: ANSYS First Quarter 2013 Earnings Conference Call

When: May 2, 2013 at 10:30 a.m. Eastern Time

They encourage participants to pre-register for the conference call using the enclosed link. Callers who pre-register will be given a unique PIN to gain immediate access to the call, bypassing the live operator. Participants may pre-register any time, including up to and after the call start time. You will immediately receive an online confirmation, an email with the dial in number and a calendar invitation for the event.

To pre-register, go to:

<http://services.choruscall.com/DiamondPassRegistration/register?confirmationNumber=10027726&linkSecurityString=21c7828238>

You may also reach the pre-registration link by logging in through the investor section of our website at <http://investors.ansys.com> and clicking on the Audio Webcasts link. Click the event under Upcoming Events.

For those who do not have internet access or are unable to pre-register, simply join the call on the day of the event by dialing (866) 652-5200 (US) or (412) 317-6060 (CAN and INT'L). Ask the operator to join you into the ANSYS Conference Call.

The call will be recorded with replay available within two hours after the call at <http://investors.ansys.com> or at (877) 344-7529 (US) or (412) 317-0088 (CAN and INT'L). Passcode: 10027726

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CENIT Increases Sales in 2012 by 10% and EBIT by 28% Compared to the Previous Year

16 April 2013

CENIT AG concluded the fiscal year 2012 significantly above the previous year. Despite a difficult macroeconomic environment, the result of CENIT AG increased in terms of both sales and EBIT

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compared to the previous year. Based on the financial statement for CENIT Aktiengesellschaft, Stuttgart, the Executive and Supervisory Board will propose at the shareholders' meeting on 31st May 2013 that a dividend of EUR 0.30 per share and an extra dividend of EUR 0.25 be paid.

In the fiscal year 2012, the CENIT Group achieved revenues of EUR 118,854 k (PY:EUR 107,840 k/10.2%). Revenue in CENIT's consulting and services division increased by 4.0% (PY: EUR 54,540 k). Sales of third party software thereby increased significantly by approximately 18.9% to EUR 49,194 k (PY: EUR 41,358 k). Sales of CENIT's proprietary software increased from EUR 11,676 k to EUR 12,311 k (5.4%). In particular, the software products FASTSUITE and cenitCONNECT in PLM and IBM FileNet System Monitor and ECLISO in the EIM area were successfully sold to end customers.

Gross profits (operating revenue less cost of materials) totaled EUR 73,579 k (PY: EUR 69,740 k), up by 5.9%. CENIT achieved an EBITDA of EUR 11,044 k (PY: EUR 8,736 k/26.4%) and an EBIT of EUR 8,017 k (PY: 6,262 TEUR /28.0%). Earnings per share were EUR 0.65 (PY: 0.52 EUR/25.0%).

To view an unabridged version of this press release, visit: <http://www.cenit.de/en/news/aktuelles/news-detail-aktuelles-en/article/cenit-steigert-umsatz-2012-um-10-und-ebit-um-28-gegenueber-vorjahr.html>

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SAP Announces First Quarter 2013 Results – Non-IFRS Software and Cloud Subscription Revenue Increased 25% at Constant Currencies

19 April 2013

SAP had a solid start to 2013 with 23% (25% at constant currencies) growth in non-IFRS software and cloud subscription revenue. SAP achieved €824 million in non-IFRS software and cloud subscription revenue in the first quarter.

The Americas region delivered a strong first quarter, with non-IFRS software and cloud subscription revenue growing by 49% (51% at constant currencies), driven by excellent software revenue performance in Latin America and strong cloud subscription and support revenue growth in North America. The EMEA region saw solid growth of 13% (15% at constant currencies) in non-IFRS software and cloud subscription revenue, which is impressive in light of continued market uncertainty. Strong year-on-year software revenue growth rates in many markets including Russia, Switzerland, and the UK contributed to this performance. Non-IFRS software and cloud subscription revenue in the Asia Pacific Japan (APJ) region declined, as several markets in APJ started more slowly in 2013 after a record fourth quarter in 2012 and new leadership in some markets. The company expects the APJ region to be back on track in the second quarter.

SAP HANA continues to be a major growth engine for SAP. SAP HANA software revenue tripled year-on-year, contributing €86 million to software revenue this quarter. The company also continues to expand its market leadership with strong double-digit growth in its mobile business.

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The Company sees continued strong growth in the cloud. With the most comprehensive portfolio of cloud solutions, SAP's annual cloud revenue run rate is approaching €900 million¹. First quarter 2013 Non-IFRS cloud subscription and support revenue was €167 million, up 380% year-over-year. Non-IFRS deferred cloud subscription and support revenue² was €377 million as of March 31, 2013, which is a year-over-year increase of 95%. The Company's cloud subscription and support backlog³ as of December 31, 2012 was €800 million. SAP's cloud applications total subscribers now exceed 24 million. For the Ariba segment the trailing twelve month network spend volume⁴ was approximately \$460 billion. More than 1 million companies are connected through the Ariba network, the world's largest Web-based business trading community.

“Our industry is at a fundamental transformation point, driven by the convergence of mobile, cloud and big data. SAP's 25% growth shows that we are not only leading this change but also gaining significant worldwide market share,” said SAP Co-CEOs Bill McDermott and Jim Hagemann Snabe. “Customers continue to choose our innovations to help them run better, and SAP HANA is the next-generation platform for all companies to innovate their business, drive speed across the entire enterprise and reduce costs. SAP's pipeline is strong, and we are confident that we will achieve our full-year outlook.”

“Non-IFRS software and cloud subscription revenue exceeded €800 million for the first time in a first quarter. We saw very strong revenue contribution from SAP HANA and continued growth in the cloud. The solid top line performance and continued cost discipline resulted in double-digit growth in Non-IFRS operating profit at constant currencies,” said Werner Brandt, CFO of SAP. “We are on track to deliver on our 2015 goals and our overall financial objective of profitable growth over the long term.”

- 1) The annual revenue run rate is the first quarter 2013 cloud division revenue multiplied by 4.
- 2) Starting this quarter SAP is disclosing non-IFRS deferred cloud subscription and support revenue, which is a subset of the total non-IFRS deferred revenue number reported on the balance sheet.
- 3) Cloud subscription and support backlog represents expected future cloud subscription and support revenue that is contracted but not yet invoiced and thus not recorded in deferred revenue.
- 4) Network spend volume is the total value of purchase orders transacted on the Ariba Network in the trailing 12 months.

To view an unabridged version of this press release, visit: <http://www.sap.com/corporate-en/news.epx?category=ALL&articleID=20753&searchmode=C&page=1&pageSize=10>

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SofTech Announces Q3 Fiscal Year 2013 Operating Results

16 April 2013

SofTech, Inc. announced its third quarter fiscal 2013 operating results. Revenue for the three months ended February 28, 2013 was \$1.459 million, a decrease of 12.1% from the same period in the prior

CIMdata PLM Industry Summary

fiscal year. The net loss was \$(14,000) or \$(.01) per share for the three months ended February 28, 2013, as compared to net income of \$137,000 or \$.14 for the same period in the prior fiscal year.

Revenue for the nine months ended February 28, 2013 was \$4.8 million, a decrease of 2.6% from the same period in the prior fiscal year. Net income increased 9% to \$411,000 or \$.41 per share for the nine months ended February 28, 2013, from net income of \$377,000 or \$.38 for the same period in the prior fiscal year.

During the current quarter, the Company reduced its outstanding debt by \$495,000 bringing its total debt to \$1.645 million, its lowest quarter ending outstanding debt position since August 31, 1997. Since the March 2011 Recapitalization Transaction the Company has paid down its debt by \$1.255 million.

“Last quarter we had our best revenue quarter since the Recapitalization Transaction,” said Joe Mullaney, SofTech’s CEO. “This quarter we experienced our weakest revenue quarter as some license revenue orders we were expecting did not close. Despite the revenue weakness in the current quarter we still generated nearly \$200K of EBITDA and more than \$300K of cash from operating activities. In addition to strengthening our balance sheet, our consulting revenue increased 45% in the current quarter compared to the same period in fiscal 2012. While disappointed with the product revenue, the pipeline is sufficient to get back on track in the next several quarters,” he added.

“Although the debt outstanding at the end of the quarter is less than at any point in more than 15 years, it is due in full on February 28, 2014 and has therefore been classified as a current liability. We are actively engaged in refinancing activities and based, on those efforts, we are comfortable that we can meet our liquidity needs over the course of the next year,” Mullaney stated.

To view and unabridged version of this press release, visit: http://www.softech.com/about-us/news-room/SofTech_Announces_Q3_Fiscal_Year_2013_Operating_Results/162

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TCS Closes FY13 with Sustained Growth Momentum

17 April 2013

Tata Consultancy Services reported its consolidated financial results according to IFRS for the quarter and financial year ended March 31, 2013.

Commenting on the 2012-13 performance, N. Chandrasekaran, CEO and MD said: “TCS has delivered a year of strong growth with all markets and industry segments growing in double digits. Our ability to co-create with customers, remain relevant to their business and our investments in digital technologies are delivering tangible value as customers optimize, transform and grow.”

Looking ahead to FY14, Mr Chandrasekaran said: “We remain confident that 2013-14 will bring greater opportunities as technology plays an increasing role in reimagining business globally. We continue to

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identify new growth engines and are investing ahead of the curve in products, platforms and intellectual property that is of great relevance to our customers and their business growth.” He added: “As an industry leader, we remain focused on sustaining our momentum.”

Rajesh Gopinathan, Chief Financial Officer, said: “Our growth has been well-rounded in 2012-13 and we have endeavored to maintain our profitability despite stiff headwinds and increased volatility through the year. We continue to ensure cost discipline at an operational level while supporting diversified business growth.”

For TCS, there was balanced growth across markets and industries during the financial year. All industry verticals grew during FY13. TCS’ full services capabilities continue to be leveraged by customers with service lines like Infrastructure Services, Business Process Outsourcing, Assurance Services and Global Consulting growing at higher than company average.

To view an unabridged version of this press release, visit: http://www.tcs.com/SiteCollectionDocuments/Investors/Presentations/TCS_PressRelease_IFRS_USD_Q4_13.pdf

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Implementation Investments

Bharat Heavy Electricals Limited (BHEL) Purchases SoftInWay’s AxSTREAM 3.2 Software for Large Utility Steam Turbines Design and Analysis

15 April 2013

SoftInWay, Inc. announces that Corporate R&D of Bharat Heavy Electricals Limited (BHEL), India, has acquired AxSTREAM™ 3.2 turbomachinery design software suite.

SoftInWay is very proud to help BHEL, one of the largest engineering and manufacturing companies in India.

“BHEL has the reputation for being the leader in Indian Market for both Industrial and utility Turbines. From the small to large corporations, BHEL is respected as top experts in supplying good turbomachinery and always being on the cutting edge of the Industry. It is honestly a great honor for us, to have the confidence of BHEL and to be able to help them” said Valentine L. Moroz, Chief Operating Officer of SoftInWay Inc.

“Working with the SoftInWay team has been an absolute pleasure. They have visited our offices, trained us and have been extremely knowledgeable, friendly and supportive. They have also added significant new features into their software. We have been in constant communication with the M/s SoftInway team

and they respond quickly to provide the solutions to our technical queries.” said BHEL official.

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Herrenknecht Uses ESI's Collaborative Virtual Reality Solution IC.IDO to Make Engineering Decisions

15 April 2013

[ESI Group](#) launches a cooperation with [Herrenknecht AG](#). Herrenknecht is adopting ESI's [IC.IDO Virtual Reality](#) solution as a basis for collaborative decision-making. The main objective of Herrenknecht is to enable the many stakeholders in a development project to visualize their product from the earliest stages of its development, life-size and in real-time, so that machine designs can be validated faster.

By adopting IC.IDO, Herrenknecht joins leading-edge manufacturers from the automotive, aeronautic and other industry sectors. John Deere, Jaguar Land Rover, BMW, Ford, Boeing, Jungheinrich, Rheinmetall, Optima Packaging and Trumpf are among the companies who now see a striking advantage in implementing Virtual Reality to spur innovation.

“Leveraging ESI's leading Virtual Reality technology significantly helps us optimize our development processes. IC.IDO enables us to modify processes and developments collaboratively with our customers, with the common objective to improve on performance, enhance quality and decrease development time,” says Gebhard Lehmann, Vice-Chairman of the Board of Management, of Herrenknecht AG.

Herrenknecht uses Virtual Reality to perform ergonomics studies and complete security assessments, visibility and reachability studies, real-time simulations of wires and hoses, and assembly/disassembly analyses.

Using IC.IDO's ergonomic and intuitive software environment, sales, marketing and technical staff from Herrenknecht can share models with their clients' decision makers and influencers – communicating naturally with executives, engineers and operators; assuring a common understanding of current and future products and avoiding the misunderstandings and misinterpretations often encountered when relying on drawings and scale models. Thanks to IC.IDO, the distributed players in a project are able to use a shared 3D model as a platform for real-time reviews, enabling constant communication and faster iterations from the earliest stages in the product development process.

Massive amounts of 3D data from different sources (including Herrenknecht, their clients and subcontractors) can be loaded rapidly into one environment, facilitating regular updates and assuring that teams are always current with the latest design progressions. By making the right decisions at the right time, Herrenknecht reduces lead times and product development costs.

Further encouraging the adoption of Virtual Reality, Herrenknecht should benefit from the existence of a readily available pool of young experts from the neighboring Offenburg College, where a similar IC.IDO Virtual Reality set-up has been installed. Local engineering students are indeed taught to master Virtual Reality technology with the objective that they can contribute to its adoption in diverse applications in the future.

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Hyundai Samho Heavy Industries upgrades from Tribon to AVEVA Marine

16 April 2013

AVEVA announced today that Hyundai Samho Heavy Industries (HSHI), one of the world's largest shipbuilders, has successfully completed its upgrade from Tribon M3 software to AVEVA Marine for engineering, design and production. HSHI has used AVEVA's legacy Tribon M3 design software very successfully for many years, but chose to upgrade to the very latest AVEVA Marine software portfolio after a thorough evaluation that identified major advantages in the new platform, including its powerful features such as customisation.

“One of the big benefits we found when upgrading to AVEVA Marine is its comprehensive and powerful capabilities for customisation,” said Ok Jae Huh, Senior Vice President, Hyundai Samho Heavy Industries. “AVEVA Marine is very user friendly. It will help keep us competitive as it includes efficient tools for the easy development of our own specialised scripts (macros) that can be adapted to the demands of our customers around the world.

Mr Huh continued, “The difficult economic conditions in the marine industry, combined with new opportunities in the Offshore and Plant markets, have seen a diversification in the traditional shipbuilding industry. “As the result of the merging of the AVEVA PDMS and the Tribon hull technologies, AVEVA Marine is responding to these market changes and is now one of the best names in the CAD industry for ships, offshore facilities and plants.”

“HSHI has been a long-standing AVEVA customer and we have worked very closely with its team to help develop its long-term strategic direction for shipbuilding”, added Eun Joo Park, Senior Vice President – Korea & Japan, AVEVA. “Organisations like HSHI who have migrated from Tribon M3 to AVEVA Marine have benefitted from cost savings across all disciplines as a result of our Integrated Engineering & Design approach. AVEVA Marine combines the world's best hull design applications with the best outfitting capability using AVEVA's powerful object-centric technology. It integrates completely into a much larger production environment, which is why customers are realising such significant project savings.”

All AVEVA Marine products are part of AVEVA's Integrated Engineering & Design approach that improves project efficiency and reduces engineering and design costs by offering complementary

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products that draw on common processes, disciplines and deliverables, through a single managed information model. AVEVA Marine's set of integrated applications were created specifically for the unique processes of the engineering and design of ship and offshore structures, design management and the generation of accurate production information.

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JSC "NIIK" Selects AVEVA for Integrated Engineering & Design

17 April 2013

AVEVA announced today that JSC "NIIK" has implemented solutions within the AVEVA Plant software portfolio for the engineering and design of chemical facilities. By adopting an Integrated Engineering & Design (IE&D) approach, JSC "NIIK" can ensure consistency in the development of process flow diagrams and electrical equipment, through to the creation of the 3D model and the detailed design of the associated steel structure. This will greatly enhance the efficiency of major capital projects, reducing time and cost.

"Creating an integrated approach to our working environment was an important factor in selecting AVEVA and will result in a number of advantages for an engineering company like ourselves", said Oleg Kostin, General Director of JSC "NIIK". "Creating exact specifications and testing the correct position of system components will be far easier, saving time and cost across a project compared to our current solution. The IE&D approach allows us to create and maintain consistent designs throughout the project lifecycle. Our team of designers can work together, clearly identifying changes and controlling them to reduce disruptive and expensive rework. We look forward to a long and productive relationship with AVEVA."

Evgeny Fedotov, Senior Vice-President Russia, India & Middle East, AVEVA, added: "JSC "NIIK" is one of the leading design institutes in the chemical industry. This new contract will enable JSC "NIIK" to gradually build up its design capabilities and integrate its engineering across a suite of solutions in order to increase both the quality and quantity of projects that it can complete. JSC "NIIK" will use AVEVA software solutions across a range of projects including design and survey work during the construction, reconstruction, expansion, modernisation, and revamp of industrial facilities. JSC "NIIK" can trust that it has a set of products that will produce a high-quality 3D model and make work processes simple, clear and understandable at each stage. AVEVA Plant technology enables improved quality and reduced time scales while minimising risk. These very tangible business benefits are why so many companies are selecting AVEVA's solutions".

JSC "NIIK" has purchased AVEVA PDMS, AVEVA Diagrams, AVEVA Instrumentation, AVEVA Electrical, AVEVA Schematic 3D Integrator, AVEVA Cable Design, AVEVA Engineering, and AVEVA Bocad Steel.

The AVEVA Plant portfolio of products are part of AVEVA's Integrated Engineering & Design approach which improves project efficiency and reduces engineering and design costs by offering complementary products that draw on common processes, disciplines and deliverables, through a single

managed information model. For more information visit www.aveva.com/plant.

JSC “NIIK” is a Russian engineering company specialising in the research and design of chemical facilities. Projects include laboratory and pilot studies, the production of design and construction documents, automated process control systems with the use of advanced microprocessors in the industrial production of urea, fertiliser and related compounds, isocyanates and their transformation products.

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Product News

3D Systems Releases Geomagic Design

17 April 2013

[3D Systems](#) today announced the immediate availability of [Geomagic® Design](#), a new suite of affordable CAD design solutions. Geomagic Design delivers comprehensive and robust mechanical CAD design tools, allowing ideas to go from concept to manufacturing and production for professional engineers, makers, students, consumers and hobbyists.

Leveraging 3D Systems’ combined Alibre® and Geomagic platform, Geomagic Design is now also available as part of a series of software packages that include Geomagic Freeform® products. These powerful packages combine organic, touch-based 3D sculpting with robust B-Rep CAD and detail design tools from Geomagic Design.

Geomagic Design is available in three versions: Personal, Professional and Expert, each tailored to the needs and budgets of our growing user base. Geomagic Design comes with over 35 new tools and more than 100 enhancements, built on a robust platform that is sure to deliver a rock-solid design-to-manufacture experience.

Top features of Geomagic Design include:

- 2D Documentation module – New tools and workflow enhancements allow engineers to immediately and accurately create 2D detail drawings from the 3D data for use in manufacturing and production planning.
- Sheet metal design module – Integrated sheet metal design capabilities plus new sketch bend commands tackle complex design tasks.
- New platform – featuring a highly productive engineering design environment for an exceptional user experience.

Geomagic Design solutions also include comprehensive rendering tools, built-in motion simulation tools and a wide range of 3D CAD and neutral 3D format support to enable interoperability of design data.

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These products deliver on 3D Systems' commitment to democratize access to intuitive yet advanced solutions that excel both as a standalone CAD design suite and as a seamless addition to any multi-CAD environment. Geomagic Design Expert provides 3D design, advanced sheet metal design, 2D documentation, rendering, data and process management and simulation tools for \$1,999 and Geomagic Design Personal, for students, hobbyists and makers, is available for only \$199.

"I just want to compliment the Geomagic team on an outstanding release," commented David McMahon, a beta tester for the latest version. "The renewed toolsets for the 2D drawing mode and their full integration into the workflow are what I most appreciate."

Advanced Design Tools Made Better with Software Packages from Geomagic

The Geomagic Freeform + Geomagic Design Expert software packages allow customers to benefit from a powerful and unprecedented design workflow. Users can now create intricate, organic designs, such as toys and jewelry, using combinations of voxel, NURBs, polygon and SubD modeling, into a downstream CAD platform for fast, accurate detail design, 2D drawing creation and sheet metal design ready for production. These packages start at \$20,500.

"We are committed to democratizing access to powerful and affordable 3D design software for the benefit of professionals and beginners alike," said Calvin Hur, Vice President and General Manager, 3D Systems Authoring Tools. "This release builds on that commitment by delivering powerful and capable design tools that are easy to pick up and hard to put down."

Get a Free Trial of Geomagic Design

An online tour and Free Trial of Geomagic Design is available at:

<http://www.geomagic.com/en/products-landing-pages/geomagicdesign>

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ASCENT-Center for Technical Knowledge® Releases 10 New Autodesk Official Training Guides for Autodesk® 2014 Software

15 April 2013

[Rand Worldwide](#) today announced that its courseware division, [ASCENT- Center for Technical Knowledge](#), released 10 new Autodesk Official Training Guides for Autodesk 2014 software in time with these latest software releases. Autodesk has also selected ASCENT as the sole provider of all Autodesk Official Training Guides for the 2014 product release year.

The coveted designation of sole provider of Autodesk Official Training Guides means that the ASCENT team has early access to new releases of software so that they can produce training materials in tandem with new software releases. With Autodesk's support and approval, ASCENT is trusted with maintaining and distributing titles at the request of Autodesk and also enjoys strong relationships with various Autodesk software teams.

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“We’re proud that our rich history of providing the ultimate educational experience has led Autodesk to designate us as the sole provider of Autodesk Official Training Guides,” says Paul Burden, Director of Product Development, ASCENT. “Each of these guides and our supplementary Instructor Tools provide both students and instructors alike with the best toolset to effectively leverage the power of the Autodesk software.”

ASCENT’s training guides provide exceptional instruction for classroom settings, self-study, and also as a reference for continuous use outside the class. The 10 new Autodesk Official Training Guides released to-date include:

- [AutoCAD/AutoCAD LT 2014 Beyond the Basics - Part 2 \(Mixed Units\)](#)
- [AutoCAD/AutoCAD LT 2014 Essentials- Part 1 \(Mixed Units\)](#)
- [AutoCAD/AutoCAD LT 2014 Fundamentals \(Mixed Units\)](#)
- [AutoCAD 2014 Update for AutoCAD 2012/2013 Users \(Mixed Units\)](#)
- [AutoCAD 2014 Advanced \(Mixed Units\)](#)
- [Autodesk Inventor 2014 Introduction to Solid Modeling \(Mixed Units\)](#)
- [Autodesk Inventor 2014 Sheet Metal Design \(Mixed Units\)](#)
- [Autodesk Inventor 2014 iLogic \(Mixed Units\)](#)
- [Autodesk Revit Architecture 2014 Fundamentals \(Imperial\)](#)
- [Autodesk Revit MEP 2014 Fundamentals \(Imperial\)](#)

ASCENT researchers and writers are launching the Autodesk Official Training Guides in tandem with Autodesk launching its new 2014 line-up of software so that building, civil and manufacturing design engineers can immediately benefit from the best educational experience.

Applicable guides include Autodesk Certification Exam Objectives which are called out throughout the guide as well as listed altogether in an appendix which makes studying for the Autodesk Certified Professional Exam easy.

ASCENT also publishes Instructor Tools, Certification Prep Sheets, printed training guides and eBooks. ASCENT’s eBooks contain the same content as the printed guide, providing users with a personal electronic copy of the training guide. eBooks can be downloaded to smart phone or tablet devices compatible with iOS 4.0 or higher, and Android 2.2 and higher.

All of the company’s training guides are available to educational institutions, individuals, and corporations and can be purchased directly from the online store: www.ASCENTeStore.com. ASCENT will be releasing a full range of titles updated for 2014 in the coming months. To see the company’s complete courseware lineup, please view the [Autodesk Courseware Release Roadmap](#) or register for the upcoming webcast titled “ASCENT’s Autodesk Official Training Guide Roadmap for 2014” on April 18, 2013 at 10 a.m. – 10:30 a.m. or 2 p.m. – 2:30 p.m. EDT by visiting [the registration page](#).

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Bentley Releases Bentley Descartes V8i (SELECTseries 4)

16 April 2013

Bentley Systems, Incorporated, today announced the immediate availability of [Bentley Descartes V8i](#) (SELECTseries 4). Based on [MicroStation](#), Bentley's information modeling environment, it provides a uniquely powerful toolset for processing and integrating point clouds and scalable terrain models, as fundamental data types, persistently throughout architectural, engineering, construction, and operations (AECO) workflows.

The point-cloud processing capabilities of *Bentley Descartes V8i* (SELECTseries 4) enable infrastructure professionals to enrich, enhance, and interpret point clouds for “downstream” workflows – increasing the comprehension, usability, and value of point clouds across the infrastructure lifecycle. *Bentley Descartes V8i* (SELECTseries 4) can further purpose point clouds pre-processed in [Bentley Pointools V8i](#), and as a layered application, it uniquely empowers *design-time visualization* within Bentley's civil applications, such as [InRoads V8i](#), using *OpenRoads* technology, and within [OpenPlant V8i](#) and [AECOSim Building Designer V8i](#). With *ProjectWise Point-cloud Services*, point clouds processed and geo-coordinated with *Bentley Descartes V8i*, rather than being limited to “survey” usefulness, become *persistent point clouds* managed and streamed for advantageous reuse across collaborative AECO and asset management workflows.

Robert Mankowski, Bentley vice president, product development, said, “Point clouds have become both vital and pervasive in infrastructure design and management use cases. And now Bentley delivers an unprecedented portfolio of software for processing, managing, streaming, and reusing *persistent pointclouds*. To date, point clouds have been technically consigned to merely a ‘disposable’ survey cost. But now, with our fast and powerful Vortex engine extended beyond *MicroStation* to *ProjectWise Point-cloud Services*, point-cloud datasets comprising unlimited billions of points, captured from virtually any scanning source and then processed with *Bentley Descartes V8i* to enhance and enrich their AECO value, can deliver sustained investment returns through unprecedented information mobility, with unimagined performance, securely and with integrity. It's very exciting and gratifying to see our users daily discovering and advancing beneficial new use cases for *persistent point clouds*.”

Bentley is committed to making the handling and processing of point clouds seamless, flexible, and as productive as possible. Its cohesive approach has established point clouds as a fundamental data type across its portfolio, enabling Bentley to bring point-cloud benefits to its users comprehensively – for practical scalability from the desktop to the server and the field. New offerings recently delivered include *Bentley Pointools V8i* and the *Pointools View* no-charge iWare app for point-cloud viewing. The *point-cloud clash detection* and *point-cloud differencing* that are already available in [Bentley Pointools V8i](#) will soon be incorporated into SELECTseries releases of [MicroStation V8i](#), [Bentley Navigator V8i](#), and [Bentley Descartes V8i](#).

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The new capabilities in *Bentley Descartes V8i* (SELECTseries 4) include:

- *linear feature extraction* – Linear feature geometries, such as rail, tunnel, or road feature types, including center lines and road markings, can now be extracted to improve comprehension and focus on the feature or features to be managed. High productivity is achieved by automation, which speeds what is otherwise a fully manual process.
- *point-cloud class management* – Class management enables users to organize point clouds into standard (LAS) and custom classes. Users can create classes, organize points into these classes, and control which classes are shown or hidden with any presentation style. This adds intelligence to point clouds and speeds their interpretation.
- *presentation style manager* – Users can configure new presentation styles and save them in a style manager. They also can combine multiple shaders in a single view to improve object recognition.
- *clip and clip manager* – This new capability allows users to create, save, and manage clips to define areas of work. Regions of interest can be defined and managed efficiently, allowing users to focus on the area of the point cloud that is of concern, speeding workflows.
- *sections and section manager* – Users can now cut point clouds in cross sections and easily streamline the 3D view configuration process. Sections and section manager extend existing dynamic cross-sectioning capabilities introduced in *Bentley Descartes V8i*(SELECT series 3) and provide users with an innovative and comprehensive set of tools to analyze point clouds through user-defined cutting planes.
- *geo-coordination for point clouds* – With the SELECTseries 4 release of *Bentley Descartes V8i*, the integration of point clouds from different coordinate systems is now possible. Users can re-project point clouds using their choice of the physical or on-the-fly re-projection mode. The easy geo-coordination of point clouds speeds their integration into information modeling workflows.
- *scalable terrain modeling* – The new viewshed tool shows terrain that’s visible from a selected point or along a path to improve the interpretation of terrain models. The selected area can be exported to *MicroStation* at 1:1 scale.

Commenting on the new release of *Bentley Descartes*, John Nolan, CAD manager, Network Rail, London, England, said, “We have been early adopters of *Bentley Descartes V8i* (SELECTseries 4) and this new release provided us exactly what we were looking for. Scalable terrain models now allow us to create and manage terrain models with hundreds of millions of points, and the section modeling capability of *Bentley Descartes V8i* (SELECTseries 4) addresses tunnel modeling perfectly. With the flexible display options for point clouds we can visualize the terrain or only the vegetation as necessary. With its fast, scalable terrain model manipulation and very powerful modeling tools, *Bentley Descartes* allows us to integrate point clouds and engineering data into hybrid models.”

Régis Roberge, 3D imagery specialist, CIMA+, said, “CIMA+ recently tested the beta version of *Bentley Descartes V8i* (SELECTseries 4) on a project that required us to process terrestrial point clouds. *Bentley Descartes* enabled us to execute our point-cloud processing routine simply, quickly, and efficiently. We strongly recommend this product for advanced point-cloud processing.”

For more information about *Bentley Descartes V8i* (SELECTseries 4), visit www.Bentley.com/DescartesSS4.

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BridgePoint from Mentor Graphics Provides Agilent GC Instrumentation Division an Efficient Methodology for Embedded Software Development

17 April 2013

Mentor Graphics Corporation and Agilent Technologies Inc. announced the use of the Mentor Graphics® [BridgePoint™ xtUML environment](#) in the development of its Micro GC gas chromatography instruments. The BridgePoint environment is an advanced UML-based environment for developing embedded systems, from concept to implementation, with key features that support ease of application porting, IP and design reuse, and a fast path to product variant development. Using the BridgePoint environment enabled Agilent to benefit from a reduced development cycle due to improved modeling and shorter porting times.

Traditional UML offers a solution for capturing and communicating complex system designs, while xtUML provides UML extensions that enable early debug through execution and enhanced development productivity through translation from UML to target implementation languages. The BridgePoint xtUML suite, which leverages the extensions of xtUML, enables the development of platform-independent executable models that can be verified and debugged without writing any target code. The product also provides open, flexible model compilation, enabling the generation of optimized code for any target platform. The full set of capabilities provides for a modern, model-driven development (MDD) methodology, offering increased productivity, efficient reuse, and ease of hardware/software partitioning. Today, the Editor portion of the BridgePoint xtUML suite is available for free download and as an open source project at www.xtUML.org.

“The BridgePoint xtUML tool suite enabled us to model our application separate from its implementation. This capability dramatically simplified the work required to port the Micro GC to a new platform,” said Robbert Van der Kruk, project manager, Agilent Technologies. “In addition, the decision by Mentor Graphics to release the BridgePoint editor into the open source domain is very exciting. We are looking forward to community development that could broaden the usage of BridgePoint, and improve usability and productivity of the tool. The availability of the BridgePoint xtUML editor as an open source definitely lowers the barrier to entry for other groups within Agilent wanting to understand and experiment with the benefits provided by an xtUML methodology.”

The execution capabilities of xtUML offer an environment to validate requirements, explore new features, and verify/debug system behavior—without having to write any implementation code. The translation capabilities of xtUML offer a highly productive path to high-quality, optimized implementation code in either hardware or software.

“Using a model-driven design methodology enabled by state-of-the-art modeling languages and tools can dramatically improve design efficiencies, support reuse, and reduce late-stage risks—all of which are needed if designs continue towards higher and higher expectations of functionality,” said Serge Leef, vice president and general manager, System Level Engineering Division, Mentor Graphics. “We are pleased that Agilent has experienced success in the use of this type of technology.”

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CAD/CAM Technology Increases Workflow Efficiency in CNC Machining

19 April 2013

CNC Software pioneer BobCAD-CAM announced the release of CAD/CAM programming technology that adds efficiency automation into the machining phase of manufacturing. Their CAD/CAM software addresses multiple aspects of design and manufacturing starting with importing CAD design files from a designer to the CNC shop. Mr. Haynes from 3C Innovation comments on the software by saying, “I use BobCAD primarily to design and machine the pattern work that is then used in the last wax casting process in a local foundry. Using BobCAD has increased my capability for accurately producing complex 3D parts ten-fold. I am now working in full 3D.”

The CAD/CAM software then allows the programmer to apply 2, 3, 4 or full 5 Axis toolpaths for CNC cutting to the part in a fully associative CAM Tree. The CAM Tree is associative so that if design changes occur then the toolpaths for machining can be updated so that the machining strategies within the software do not have to be recreated. New machining strategies include High Speed Adaptive Roughing. The high speed toolpaths allow the machine speeds and feeds to be increased due to the circular cutting motion and constant tool engagement. This new toolpath machining strategy is proving to reduce cycle times.

Mr Anderson at Ballard Mechanical Design, LLC. in Renton, WA agreed by commenting, “I use BobCAD for prototype and production parts on several 3-axis mills. I looked at various CAM software packages before discovering BobCAD. Now I can have the new part for my customer programmed and in the mill in about 15 min.” The CAD/CAM software includes full NC Code or G-Code generating functionality that is based off of the specified CNC Machine tools controller. The post processing capabilities are user customizable allowing the operator to either load a pre-existing post or easily configure one on their end. In addition to these new features is the machine simulation which allows the operator to simulate the machine toolpath cutting the part before the program is sent to the machine. “The nice thing about the new simulation is that it helps the machinist catch things that may require changes in the machining strategies as well as the fact that the new PRO level software allows the operator to use their actual machines kinematics to simulate the full machine in action,” commented Chris Corbell, who is the VP Marketing at BobCAD-CAM. “The overall goal with the CAD/CAM software is to improve workflow efficiency and add the right automation that every shop needs in their cnc machining process in order for them to remain competitive and profitable,” Corbell added.

For more information on how to increase the workflow efficiency in cnc machining at your shop,

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contact BobCAD-CAM directly at 877-262-2231. You can visit their company online at <http://www.bobcad.com> for a free CAD/CAM demo.

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CGTech Announces New VERICUT® Training Video Sessions

18 April 2013

CGTech, the developer of VERICUT NC verification, optimization, and simulation software, has announced a series of “Quick Start” training video sessions. The sessions, currently being made available at no cost to current customers, have been designed to quickly teach a new VERICUT user the fundamentals of running a VERICUT simulation by utilizing one of several available VERICUT CAM Interfaces. Each set of training files includes videos, documentation, sample files, and exercises for the user to follow along.

“VERICUT can be easy to use, and many users are up-and-running very quickly with a minimal amount of training,” said Bill Hasenjaeger, CGTech’s Product Marketing Manager. “We recognize that some customers will not get training by a CGTech Technical Support Engineer. The Quick Start sessions provide another option for training that is available anytime it is convenient for our customer.”

Sessions are currently available to current customers using CATIA V5 by Dassault Systems, NX CAM by Siemens PLM Software, Creo Parametric by PTC, Mastercam by CNC Software, *hyperMILL* by Open Mind and Edgecam by Vero Group. Additional training sessions are currently being prepared for users of Cimatron’s GibbsCAM, DP Technology’s ESPRIT, Delcam’s PowerMILL, and Vero Group’s Surfcam.

Each of the Quick Start guides follows the same structure. The user will first learn how to output CAD/CAM manufacturing data from their CAM system to VERICUT. Next, they learn how to monitor their simulation session and then inspect the cut stock. The final session shows how to create VERICUT process documents. Please contact CGTech to learn more about accessing the VERICUT Quick Start training sessions, or visit <http://bit.ly/VCquickstart>

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CNC Software Company Releases Multiaxis Machining Technology

18 April 2013

BobCAD-CAM has announced the release of their new Multiaxis CNC Software. For more than 25 years the pioneer CAD/CAM provider has helped machine shops in all aspects of manufacturing automate cnc programming to keep shops lean and productive. "Through the 80's and 90's the focus was

more on 2D and 3D machining automation, but more and more shops every day are looking for the benefits of full 5 axis cnc machining," said Chris Corbell who is the Marketing VP at BobCAD-CAM. The new multiaxis software release provides a variety of new surface-based toolpath strategies that make complicated part-machining simple.

They have added machining Wizards to the multiaxis software which step the operator through the process of creating simultaneous 4 or 5 axis machine toolpath. In addition to a long list of new features, the release is the first in the world to provide high speed machine toolpath for 5 axis programming. The new surface-based machine toolpaths can also be used for unique 3 axis part-making scenarios which opens the cnc manufacturing doors for many shops that have 5 axis cnc machines to do even more types machine work. In addition, the new multiaxis PRO versions allow the operator to input and use the machines kinematics to simulate the machine cutting the part in simulation mode. For more information you can visit <http://www.bobcad.com> and download a free trial version of the software or call them directly at 877-262-2231.

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Completely Revamped TurboCAD Mac Pro and Deluxe v7 Ships

17 April 2013

IMSI®/Design announced the release of TurboCAD Mac Pro and TurboCAD Mac Deluxe v7.

“This is our most significant TurboCAD Mac upgrade in a number of years,” said Bob Mayer, COO of IMSI/Design.

TurboCAD Mac v7’s new and enhanced features includes:

New Drafting & Detailing Tools

- New Multi-step Drawing Wizard to quickly set up your drawing
- New DWG Paper Space and Viewports to better organize data for printing
- New Conic Tools to easily obtain a curve generated by the intersection of a cone with a plane
- New Markup and Redlining tools for 2D and 3D objects
- New Polygon Tools (Pro only) – Slot polygon, N-Sided polygon, and polygon from curves tool
- New Trim Region Tool to rapidly trim a closed region

3D Modeling Enhancements

- Improved ACIS® Engine updated to R22 for superior solid modeling control
- New Part Tree (Pro only) that is fully editable, hierarchal for selective undo/redo of solids and surfaces
- New 3D Push/Pull tool (Pro only) quickly creates 3D objects from 2D lines or curves by simply dragging to extrude an enclosed shape. This tool can also be used to resize 3D objects by dragging a face
- New Move Face tool (Pro only) will translate one or more faces by a vector amount, while

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neighboring faces are extended or re-limited to account for the new position

- New Lofted Solid Tool (Pro only) creates a solid that is tangent between two neighboring solids. The resulting solid automatically joins the two bodies involved into one new body
- New Lofting with Guides Tool (Pro only) that uses polylines or curves to set the boundary of a loft
- New Project Curve to Plane tool (Pro only) that projects 3D curves into a 2D plane
- Improved Surface Utilities (Pro only) including Cut Section, Curved Surface and Explode Curve

New Architectural Tools

- New Roof Tools include 2 types – Hip and Flat. Control pitch and thickness
- New Slab Tool that attaches slabs to existing walls. Control thickness and offset

Usability Enhancements

- New Viewport Layouts (Pro only) display multiple views of your drawing at once
- New Gripper Tool (Pro only) to dynamically move, rotate, & scale objects in 2D or 3D
- New Custom Toolbar Creation for quick access to your favorite tools
- New Context Sensitive Help System to get help with any tool instantly
- New Print by Layer Tool is extremely useful when you have multiple sets of data within one file that needs printing
- New Print Window option allows users to simply drag the mouse over the area of your design you wish to print
- New 3D Connexion Space Mouse as well as traditional mouse support

New Content

- Over 25,000 New 2D/3D symbols and parts for AEC, Mechanical, Electrical, Process Plant and Piping
- Nearly 2,000 New Materials (Pro only) added to the material library, for greater, more photorealistic rendering and visualization
- Over 3,700 New Decals (Pro only) to quickly drag-and-drop to designs

Greater Interoperability

- Improved AutoCAD 2013 (DWG) filter to work with the latest AutoCAD® and AutoCAD LT files
- New Import File Filters - EPS, Facet, PDF, PhotoShop, SketchUp
- New Export File Filters - OBJ, VRML

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Dassault Systèmes Launches My.SolidWorks

15 April 2013

Dassault Systèmes today launched My.SolidWorks, a free community that provides one single access to

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any SolidWorks content. Today's designers are under constant pressure to create better designs in less time and SolidWorks is a key tool for achieving those productivity gains. My.SolidWorks lets these users tap into the knowledge and experience of two million users and more than 400 value-added resellers in the SolidWorks Community.

"My.SolidWorks allows me to quickly find new and old posts to help me with my current job. It makes it much quicker and easier to participate in the community," said Scott Baugh, CAD administrator, Berry Plastics Corporation. "I can see what folks are asking or talking about right now, and share my ideas and opinions with colleagues."

My.SolidWorks offers many improvements to the SolidWorks Community, in several different categories:

- **Experience:** My.SolidWorks provides a consolidated view of the latest updates from around the SolidWorks community. The latest blog posts, discussions and videos are presented in an easily digestible format. They can be filtered based on users' individual needs and interests.
- **Find:** My.SolidWorks lets users search the entire SolidWorks community at once, making it much easier for users to find the tips and insights they need to get the most out of SolidWorks. They can also share what they find with colleagues, peers and friends with the social capabilities built into My.SolidWorks.
- **Engage:** My.SolidWorks makes it easier for new and existing users to engage with the community; stay on top of current design topics, and add their own knowledge and expertise to the discussion.

"With My.SolidWorks, it's much easier for me to search for and find the answers I need, whether that's from a video post, a discussion in the forums, from the Help menu or somewhere else within the SolidWorks ecosystem," added Anna Wood, design engineer/CAD administrator, Auer Precision.

"We have long recognized the strength of the SolidWorks community and have supported its collaboration through forums, users groups and events like SolidWorks World to help customers better solve problems," said Bertrand Sicot, CEO, SolidWorks, Dassault Systèmes. "My.SolidWorks is the next phase in facilitating those connections to content, experts, suppliers, and others who have similar challenges – all aimed at helping our users get the most from our SolidWorks applications to create value for their own customers."

My.SolidWorks is freely available to anyone at <http://My.SolidWorks.com>. Users will get the most out of My.SolidWorks if they have or register for a free account. SolidWorks Customers can login using their existing Customer Portal accounts, and SolidWorks Subscription Service Customers gain additional access through My.SolidWorks to private reserved content Register or login today at <http://my.solidworks.com/>

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IMAGINiT Technologies Launches Revit Health Check

18 April 2013

[Rand Worldwide](#) today announced that its [IMAGINiT Technologies](#) division has launched their [Revit Health Check](#) service. This unique analysis performed by IMAGINiT experts enables organizations to successfully implement a Building Information Modeling BIM strategy.

“Around the globe, our IMAGINiT experts have seen organizations using [Autodesk Revit software](#) in a wide variety of ways, and unfortunately, the vast majority of these organizations have not been maximizing the real potential of a BIM strategy,” says Bill Zavadil, senior vice president of worldwide services, IMAGINiT Technologies. “To increase profitability, mitigate risk and eliminate inefficiencies, IMAGINiT’s new Revit Health Check analysis first identifies critical BIM process workflow issues and then provides a BIM execution plan that meets their objectives through the optimal use of people, process and technology.”

A Proven Two-Phased Process

IMAGINiT’s Revit Health Check analysis includes two phases. For a brief overview, watch this [video](#). Keeping the client’s business objectives in mind, in phase one IMAGINiT experts assess how the team is using Revit, identifying inefficiencies and proficiency gaps. Through probing questions derived from years of helping clients recognize and experience the benefits of BIM processes in their organization, IMAGINiT experts will uncover challenges including inconsistent design standards, unproductive workarounds, excessive file sizes, and more.

Once team interviews are complete, IMAGINiT experts analyze select Revit project files and related documents. This phase uncovers the answers to issues related to model optimization, collaborative workflows, software performance, information quality and more.

Actionable Advice

Once the interviews and data analysis are complete, IMAGINiT experts provide two deliverables containing actionable advice that teams can immediately implement. The first deliverable outlines the top 10 recommendations that the organization can immediately implement to optimize workflows and improve efficiencies. The second deliverable is a detailed report that fully describes the Health Check findings and lists actions grouped into high, medium and low priorities so that team make the most appropriate improvements over time, ultimately achieving the full potential of BIM.

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Inspection Geni 4.0 Release for the Design Community

18 April 2013

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Albitech introduced the availability of the new Inspection Geni 4.0, the latest generation of its SolidWorks® add-on that enables designers and engineers to automatically expedite inspection and approval processes, slashing costs and boosting time to market.

“Built to work on SolidWorks’ rock-solid foundation, Inspection Geni 4.0 is engineered to deliver the most intuitive and integrated design experience,” said Doron Sashkis, CEO Albitech.

The new version of Inspection Geni has been specifically designed by Albitech to deliver a fast, responsive user experience while offering a number of highly customizable features providing a superb balance between performance and options so users can enjoy all the benefits of SolidWorks – taken to a new dimension.

Design, IG-style

Making design simple requires the use of advanced technologies. IG 4.0 is loaded with them, allowing applications like SolidWorks to give you unprecedented design and inspection capabilities. “The development of IG 4.0 was driven by the needs of SolidWorks users,” he explained. “The latest version is optimized to ensure that everything is designed to be easy and intuitive to use. It’s the fastest, most versatile version of IG on any SolidWorks users’ desktop.

“We are now able to add Dimension ID’s to surface and datum dimensions to any project. These are scanned out of the drawing like regular dimensions and appear in the template tree view with a separate tree node representing the different dimension.”

According to Sashkis, this new feature allows users to automatically review multiple dimensional and tolerance ranges on any SolidWorks-generated design. “Today a designer is still forced to print, then add much of their specific data using a marker on the printed design.

Inspection Geni 4.0 gives you the ability to assign specific analysis to one of several Filters. For example, you can use Filter 1: to show all dimensions related to datum A, or to datums A B and C. Filter 2 can then be configured to show all the dimensions within a tolerance range of 0.05mm; while Filter 3 illustrates all the M6 threads.”

As powerful as that sounds, it’s just one of several new options. IG 4.0 now automatically analyzes and gives users the ability to view the information of fit tolerances from any kind of standard.

“With the new Inspection Geni 4.0 you get a fully integrated add-on application in which everything works together perfectly to deliver the best possible performance,” Sashkis concluded.

About Inspection Geni

Inspection Geni enables designers and engineers to expedite business processes, automate approval proc

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esses, slash costs and enable paperless documentation for storage and retrieval - taking SolidWorks® software to a new dimension.

To learn more, please visit: www.inspectiongeni.com

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Kubotek Comparison Suite Version 11.5.1 is now Available

17 April 2013

Kubotek USA announces the immediate availability of version 11.5.1 of the Kubotek Comparison Suite of products: Kubotek Validation Tool, Kubotek ECO Manager and Kubotek ECO Inspector. This latest update includes simple detailing capabilities to allow users to mark up parts for communicating changes and the Examine View tool for overlay viewing of two parts has also been further improved. Version 11.5.1 also includes many updates to file reading capabilities to support the latest file versions from major CAD vendors.

The tools found in the Kubotek Comparison Suite give design and quality teams the ability to confidently communicate changes as products work their way through the supply chain, from design to manufacture. ECO Manager provides complete automation of change reports, resulting in a PowerPoint format that can be easily shared throughout an organization. The server versions found within the Kubotek Comparison Suite allow not only for automation of design change detection, but the planned wide distribution and clear communication of the changes throughout the enterprise. These products are all designed to accurately detect, highlight and communicate changes to improve the profitability, quality and speed of the design-to-manufacture process.

Tony Anderson, VP and General Manager at Kubotek, states, “The upgrades to the Kubotek Comparison Suite are driven by our customers, including Boeing, Northrup Grumman and Parker Hannifin.” He continues, “Kubotek Comparison Suite began as a result of requirements detailed by Boeing, and it has now spread to many aerospace, automotive and other supply chains to automate design change communication.”

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Lectra Continues to Improve Product Development with Modaris® V7R2

18 April 2013

Lectra is pleased to announce Modaris® V7R2, the latest release of its product development solution for pattern-making, grading and 3D prototyping.

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In order to develop styles with a minimum of errors and wasted time, pattern-makers need fast, accurate and powerful tools. Lectra's newly enhanced Modaris solution meets these challenges.

"The devil is in the details," says Anastasia Charbin, Fashion Marketing Director, Lectra. "Product development teams need to have accurate information from the early stages of collection development. The more precise the patterns are, for example, the closer to the designer's creative ideas the final result will be."

Modaris V7R2 includes several improvements that streamline pattern development and offer additional options for increased speed, flexibility and control. Chiefly, Lectra now includes an innovative new tool for creating pleats, among other updates.

A professional pattern development solution

For years, Modaris has featured the concept of intelligent links that connect pattern components together so that if one piece is modified, the modification cascades to all adjoining pieces; this way of working significantly reduces the risk of error when fine-tuning or creating new designs. Modaris also features the ability to link grading to pattern pieces and the option of modifying measurements on the piece itself, or via a dynamic measurement chart. Once a piece has been modified, all linked pieces and grading follow suit, delivering a considerable time savings as non-value added work is eliminated. It is much easier to respect the original sloper or basic block that often defines fit.

An amazing new pleats tool

Built on this engine now comes an amazing new pleats tool. Pleats, meticulous folds of fabric arranged in various dimensions and directions, are very time-consuming to develop and the risk of making a mistake is high, especially when producing different size ranges and applying different sets of grade rules—all while trying to keep up with the accelerated pace of fashion. In short, even the most experienced pattern-makers find creating and grading pleats to be a painstaking challenge.

"60% of our next collection involves pleats. With this enhanced version of Modaris, the unfolded pieces are automatically calculated, reducing pattern errors by a factor of 3 and minimizing fabric costs," says Daniel Frégier, Production Manager at Cotélaç, the well-known French ready-to-wear brand. By using this smart pleats tool, designers save time in style development and industrialization. "We have already noticed a time-savings of 50% for designs with pleats," adds Daniel Frégier.

"Lectra has an expert and reactive team that was able to accompany us throughout the upgrade process," says Olfa Abdelmoula Sellami, Purchasing Director at Maille Club, a Tunisian brand specializing in knitted and woven fabrics. "Modaris is critical to Maille Club for different reasons, including time savings, increased productivity, and better fabric utilization. The new pleats feature is a revolution because it allows us an incredible gain in time in comparison to manual pattern making. And we achieve a perfect final result," she explains.

This latest release also includes a host of other improvements centered around smoother, faster, more

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accurate product development, such as the ability to enrich patterns with technical details and apply notes directly to pattern pieces. Users also now have the option of combining elements from different patterns to create new styles, allowing them to leverage knowledge and expertise.

There are also many new and improved pattern-drafting options such as rounded edges and corners, mitered corners, folds and hems, new geometry tools and notches.

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Manufacturing Software Company Uses Technology to Streamline CNC Machining

16 April 2013

It's no mystery that CNC businesses have to maintain a high efficiency level when it comes to machining parts. This is where programming automation can make a big difference in a shop's bottom line. The majority of CNC machine type work involves 2D machining. This is what just about every CNC shop has in common. To address 2D machining BobCAD-CAM announces the release of their 2D machining Wizards. These new wizards take 2D programming features in the software to a whole new level of efficiency and ease of use.

"While 3, 4 and 5 axis cnc machining technology is very important, we found that the majority of shops out there have a big need for 2D toolpath and machining features that will never go away," said Chris Corbell, Vice President for Marketing. "While advanced 3D machining and even multi-axis machining technology is growing in popularity, if they have a cnc machine, they're going to need 2D automation."

Because of this BobCAD-CAM added new machining "Wizards" to their software which maximizes the efficiency of cnc part-making. The wizard steps the programmer through the process of selecting geometry, picking tools and setting all of the parameters for creating 2D toolpath to cut the part on the CNC machine. Wizards basically remove the guesswork and keep features organized. Thus, streamlining the entire process. Recently BobCAD-CAM also added a new stock setup wizard to the software which eliminated the guesswork and potential problems that cnc programmers would run into when setting up their stock. CAD/CAM software was created to automate the machine programming phase of manufacturing. Something that BobCAD-CAM has more than 25 years of experience doing.

For more information on implementing 2D Toolpath and CAD/CAM software into your cnc business call BobCAD-CAM, Inc. at 877-262-2231 or 727-442-3554. Visit BobCAD-CAM online for a free demo at <http://bobcad.com/>.

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Mentor Graphics Announces Successful Integration of the MontaVista Automotive Technology Platform into a Yocto Project 1.3 and GENIVI 3.0-compliant Platform

18 April 2013

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Mentor Graphics Corporation announced it has integrated the recently acquired MontaVista Automotive Technology Platform with the Mentor Embedded Infotainment Base Platform and Sourcery CodeBench and Sourcery Analyzer development tools. The new Mentor Embedded Automotive Technology Platform (ATP) is fully compliant with Yocto Project 1.3 and GENIVI 3.0, and will continue to track and support upcoming GENIVI versions.

By using the LLTng (Linux Trace Toolkit Next Generation)-enabled ATP automotive Linux platform, embedded developers can now more easily visually analyze and debug complex interactions between the Linux OS and automotive application software with the Mentor Embedded Sourcery Analyzer.

With the Yocto Project 1.3-compliant ATP platform, Tier One suppliers and OEMs can more easily customize and configure the Linux kernel and select the right components for a Linux-based IVI system. GENIVI 3.0 compliance and support for the Freescale i.MX 6 and Renesas R-CAR H1 hardware platforms provides Tier Ones and OEMs with an optimum and standard set of automotive components to support the development of IVI systems. In addition, Tier One suppliers and OEMs can benefit from driver and BSP enhancements that include video and audio improvements for multimedia applications that are a critical element of IVI systems.

Automotive Tier One suppliers and OEMs can optimize hardware performance and take advantage of an expanded automotive-grade middleware in this new and combined Mentor Embedded Automotive Technology Platform, said Mark Mitchell, general manager of Mentor Graphics Open Source Embedded Solutions.

Mentor Graphics continues to lead the standardization of Linux for automotive IVI applications with executives serving on the boards of directors, and actively contributing to, numerous technical working groups, including SAE International, AUTOSAR and the GENIVI Alliance. With over 45 million automobiles sold each year, auto manufacturers are keenly aware of the impact of IVI systems as a key differentiator with consumers. This includes the need to integrate technologies such as voice-recognition, touch screens, web browsing, GPS, and connectivity between automobile and smartphones all dependent on embedded software. Mentor provides an extensive professional services team to work in partnership with customers to define and develop customized and differentiated IVI solutions in the highly competitive automotive market.

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OR Laser and LEDAS Sign Long-term Service and Consulting Agreement

18 April 2013

[OR Laser](#), inventor and producer of innovative laser systems for welding, marking and engraving, and [LEDAS](#), the provider of CAD/CAM research and development services, today announced the signing of a long-term service and consulting agreement. The agreement is aimed at developing new

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software for automated laser systems manufactured by OR Laser.

“The first stage of our collaboration is solving the challenge of computing optimal tool trajectories automatically,” said Uri Resnik, co-founder and vice president of OR Laser. “The resulting software will be integrated with our Autoweld product that interacts with CNC machines.”

OR Laser began as a hardware company making [lasers](#), but as the world focuses more on the capabilities of software, the company is strengthening its line of software products. OR Laser has long-term research and development plans that involve tasks such as reconstructing surfaces from point clouds and recognizing particular geometric patterns. As a result, the company chose LEDAS for its ability to provide high quality research and development services. Short statement of work was already accomplished by LEDAS before signing of long-term agreement.

“We are proud to be involved in the development of innovative laser CAM solutions,” said Alexey Ershov, chief executive officer of LEDAS. “Our team at LEDAS has experience in developing software for many CAM processes, including punching, water jet and laser cutting, molding, drilling, and milling. It is great to be able to broaden our range of expertise to new laser processes.”

“OR Laser’s development plans are challenging,” he continued, “and so we will be using all the [technological expertise](#) we have in computational geometry, along with the practical experience we have attained while developing and marketing of products, such as [constraint solver](#) and [variational direct modeler](#).”

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RISA Technologies and Tekla Partner to Offer Steel Connection Design In Tekla Structures

17 April 2013

[Tekla](#) and RISA Technologies, an analysis and design software company, today announced they have partnered to bring together two steel design solutions. Available this month, the new RISA-Tekla Link gives users the combined benefit of the design, detailing and collaboration strengths of Tekla Structures and the comprehensive steel connection design features of RISAConnection.

With Tekla Structures, users create and manage accurately detailed, highly constructible 3D structural models that can be used to ensure success across the entire building process from conceptual design to fabrication, erection and construction management. The RISA-Tekla Link extends these capabilities to include steel connection design, a critical piece of the overall design process, directly within the Tekla Structures environment. This eliminates the need to manually enter connection components into separate design software. The result is increased accuracy and a reduction in the time and cost associated with steel connection design.

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With the RISA-Tekla Link, users of Tekla Structures and RISAConnection can:

- Run analysis and design on moment and shear connections
- Group and solve connections collectively or analyze them individually
- View pass/fail analysis results in the Tekla Structures 3D BIM model or in a report format
- Access individual detailed design calculations from within RISAConnection
- Print connection calculations

"Tekla is one of the engineering community's most respected companies and we are happy to join forces and create a link between RISAConnection and Tekla Structures," said Amber Freund , Director of Marketing for RISA Technologies. "We both share a focus in offering the best solutions to automate steel design and engineering for greater safety, accuracy and efficiency."

"We strive to continuously improve our solutions to meet the needs of a structural steel industry that is facing new challenges with shorter lead times, a greater need to collaborate across disciplines and problems in revision handling," said Mark Allphin, Business Manager of Steel for Tekla, Inc. "RISA is an established leader in the steel engineering analysis and design industry and a natural pairing in bringing connection design to our solution and users."

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Trelligence Announces New Affinity 8 Release

18 April 2013

Trelligence, Inc. announced the new Trelligence Affinity™ 8 software release. Recognized as one of the leading AEC solution for architectural programming, schematic design, and design validation, Trelligence continues to expand the functionality in Affinity software and available add-ons to deliver a full-service BIM tool. Affinity integrates with other prominent BIM tools – Autodesk® Revit® Architecture, Bentley® AECOSim Building Designer, Graphisoft® ArchiCAD, Trimble® SketchUp, and IES VE - to enhance the project lifecycle, providing a seamless transition from the initial planning and programming phases of a building project, through to the final design and building construction.

The Affinity 8 release introduces new licensing flexibility, enabling firms to expand their use of Affinity across a broader base of users, at a lower per-seat cost, by providing end users with just the functionality they need to perform their work. Customers can supplement the full Affinity Software Suite with role-specific product Modules, including Affinity Programming, Affinity Design and Affinity Design Validation.

In addition, the following new Modules are available as options with Affinity 8:

Affinity Manufacturers: This new Affinity add-on enables project teams to manage comprehensive component Manufacturer information within Affinity, replacing the need for an external database.

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Affinity Cloud Bridge: Cloud Bridge provides access to real-time project information via any web browser, on any device.

Affinity Viewer: The new Affinity Viewer enables clients, 3rd party consultants, and casual users to browse and access read-only information and reports in an Affinity project.

Affinity 8 also significantly expands and enhances the bi-directional integration with Autodesk Revit Architecture.

The new features include:

- Bi-directional integration with Revit 2014 (in addition to Revit 2013 and 2012)
- Revamped user interface with improved usability, performance, and ease of use
- Dynamic display of the Program hierarchy within Revit with real-time program-to-actual difference feedback
- Drag-and-Drop room & contents into Revit directly from the Affinity Program toolbar
- Populate entire room layouts in Revit directly from the Affinity Program and Templates
- Improved conceptual massing tools – ability to map room & building envelope masses to/from Affinity
- Automatically stack program departments & rooms into building envelope mass as room masses
- Directly select and run Affinity reports within Revit
- Embed Revit views into Affinity Reports (e.g. Room Data Sheets)
- Run Affinity template scripts & utilities from within Revit
- Direct import/export of CSV or COBie files for Program and/or Design

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Trimble Announces New Version of Trimble RealWorks Software

16 April 2013

Trimble announced Trimble® RealWorks® version 8.0 software that includes a new 3D database engine, automated targetless registration and Web viewing capability incorporating RealWorks' Scan Explorer interface. These new enhancements will allow surveyors, contractors, engineers and geospatial professionals to rapidly process 3D laser scanning data and expedite the creation of deliverables for their clients, increasing productivity and reducing costs.

The new 3D database engine in Trimble RealWorks version 8.0 will allow up to five times more data to be visualized and managed, compared to Trimble RealWorks version 7.2. The ability to handle larger data sets greatly increases usability and productivity for customers capturing data with 3D laser scanners such as the Trimble TX5 and Trimble FX.

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The automated targetless registration function, together with additional workflow enhancements, will provide further productivity gains for customers. The automated targetless registration function automatically identifies planar objects in each scan and matches the planes from multiple stations, creating a combined data set. The function enhances productivity in the field by eliminating target placement prior to data capture in applicable environments. Office processing time is also reduced by the fully automated function.

Sharing of data with clients has been enhanced by the addition of a Publisher function within the Trimble RealWorks software that allows projects to be custom packaged for viewing via Microsoft® Internet Explorer. The Scan Explorer interface, embedded inside a HTML web page, allows clients to navigate and explore the scan data as well as take measurements and add notes.

"Software is an integral part of Trimble's 3D laser scanning solutions and is essential to extract information from 3D data captured in the field," said Tim Lemmon, marketing director of Trimble. "The new version of Trimble RealWorks software significantly improves our customers' productivity in processing field data, extracting information and preparing deliverables for their clients."

The announcement was made today at SPAR International 2013, the leading conference for 3D data capture, processing and delivery technologies.

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Upgrade to ZW3D 2013 now and save

15 April 2013

ZWSOFT announced its latest [upgrade promotion](#) for all the ZW3D users in North America from April 1st to June 30th. The latest version [ZW3D 2013](#) features an accurate, efficient, simplified and enjoyable design experience, which will help to shorten product development cycle and time to market. Joining this promotion, North American users can enjoy the up-to-date product and service at the best price.

More simplified, enjoyable and efficient in CAD

ZW3D 2013 has made a great stride in providing simplified and enjoyable user experience. The stylish interface enables a more friendly user experience and clearer workflow. Designers can benefit from the new ribbon interface where all commands are placed in the most familiar and intuitive way, thereby lowering the complexity and reducing the learning time for beginners. They can also maintain different sizes of sheets in one layout by using the 2D sheet manager. In addition, with the help of multiple file tabs, designers may find operating multiple tasks at the same time more convenient and enjoyable.

Improving design efficiency has always been the most concerned issue for ZW3D. In the 2013 version, history regeneration has been speeded up with the new history manager. During the regeneration, some failed features will be suppressed automatically, which can greatly reduce the operation time to a minimum of 1/10. When designers intend to make quick modifications to models, ZW3D 2013 allows

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simple drag-and-drop to make operations such as inserting and deleting a feature easier and more efficient.

More efficient and accurate in CAM

Many improvements have been made in ZW3D 2013 to offer more efficient and intelligent CAM features to 3D designers. With the new over-cut tool path analysis and under-cut operation, ZW3D can automatically identify the inappropriate areas and generate the corresponding tool paths to ensure the maximum use of materials. The new tool library also brings good news to ZW3D users. Hundreds of standard parts have been added in the built-in library to shorten design cycles. More accurate machining is achieved with the support of new tangent containment option, which provides better machining tool paths to ensure the maximum cutting angle of part surfaces.

Upgrade to ZW3D 2013 and save thousands!

During April 1st to June 30th, all ZW3D versions in North America can cross upgrade to the latest ZW3D 2013 at the most favorable price. To further meet specific industrial needs, ZW3D has designed multiple types of upgrade promotion services. ZW3D and VX users can upgrade to ZW3D 2013 Std, Pro or Pre according to their actual needs at different favorable prices. Don't hesitate, [click here](#) or visit their [Facebook](#) to learn more about this promotion.

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