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CIMdata News

“Be Different”—The ACE 2012 International Conference...A CIMdata Commentary

16 May 2012

Aras recently held its free to attend ACE 2012 International Conference in Troy, Michigan. This was the second year in a row that the conference was held in the greater Detroit area. The conference grew from 200+ attendees last year to over 300 this year, with attendees coming from more than twenty different countries. It is a user-focused event supported by Aras and a number of its partners; including both solution implementers as well as independent software providers who are leveraging Aras’ enterprise open source PLM platform.

Mr. Peter Schroer, Aras’ Founder and CEO, gave the opening presentation, the theme of which was “Be Different.” This highlighted the fact that Aras’ technology approach is different and Aras’ business model is different from most of its competitors throughout the PLM landscape. While Aras is still a relatively small company, it has had four years of double-digit growth since changing to an enterprise open source based business model where the software is free to download and use in production. Aras

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claims that there are more than 800 product installations per month. Also, according Mr. Schroer, the fourth quarter of 2011 was all-time record revenue from subscriptions and they now have over 300 paying customers. Additionally, Mr. Schroer commented that Aras' staff is growing, its product management team has increased from one to four, and the company has doubled the size of the development team since ACE 2011. The presentations from Aras on newly released products as well as products under development show that the new staff members have been busy. New products including a cloud version, new CAD connector technology, and a requirements management module will help Aras compete with the mainstream PLM Solution providers.

The biggest announcement from Aras on the corporate front was the opening of the Aras Japan headquarters, to be led by Mr. Masahiko Hisatsugu; a well-known Japanese PLM expert. Aras customers in Japan currently include Epson, Hitachi, Mitsubishi, Nissan, Honda, and Toshiba, among others. Mr. Hisatsugu will primarily focus on coordinating the efforts of Aras' ten Japanese partners. Aras's multi-language support has generated a lot of international interest and a significant non-US customer base.

While there were several significant product related announcements, the most significant was Aras Spectrum, a Microsoft Azure cloud-based version of Aras Innovator. As a part of the development partnership with Microsoft, Aras Spectrum will be load tested to 50,000 to one million simulated users. This cloud implementation seems to be focused on large companies looking to avoid infrastructure investments and appears to be another component of the Connected Cloud strategy (see Figure 1) that Aras announced at ACE 2011. The connected cloud strategy has two partners, Trubiquity and recently announced Ilesfay, that provide solutions that support large complex implementations which should help support Aras' target customers.

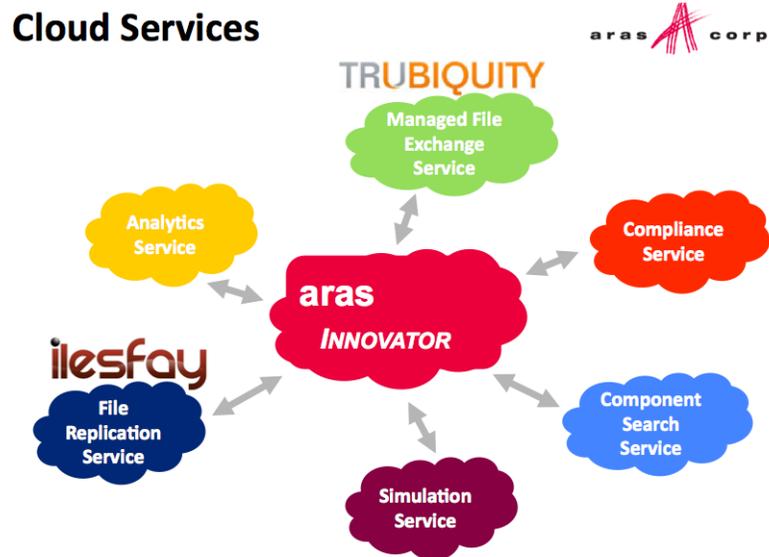


Figure 1—Existing and Planned Cloud Services for Aras Innovator

In other news, Aras announced an OEM agreement with Nuage, a social business collaboration startup based in California. In addition, Integware, a long-time implementer of PLM Solutions became a partner and will lead a Life Sciences Special Interest Group. Finally, it was announced that Aras joined the 3D

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PDF Consortium as a founding member, and joined the Codex of PLM Openness sponsored by ProSTEP iViP and the German Automotive OEMs. This is an indicator that Aras is doing well financially; having enough resources to support industry initiatives rather than just their own short-term business needs.

The conference included presentations from a number of Aras' customers. User presentations from Lear, Insitu (Boeing Company), Getrag, Ceradyne, Maxion Wheels, and Carestream Healthcare described how Aras Innovator solved a wide variety of complex business problems. Lear described how they managed complex wire harness configurations. Insitu described how they launched Aras Innovator in less than 60 days after failing with a PLM solution from another solution provider. The Carestream presentation was especially interesting as it provided an update on their project migrating from multiple legacy systems to a global Aras Innovator deployment.

Finally, the Solution Showcase segment of the event was very interesting. In this segment, Users and Solution Providers had a five-minute slot to demonstrate their project or product live within Aras Innovator, with no PowerPoint allowed. Jeff Long from IBM demonstrated a non-traditional use of Aras Innovator at General Motors. GM felt they needed a full-blown PLM approach to properly manage their IT infrastructure configurations, so they had IBM implement it in Aras Innovator. The system tracks IT configurations from requirements through implementation and into operations with proper change and configuration management processes.

Overall, ACE 2012 International Conference was well attended and very informative about Aras' products and business.

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Acquisitions

Bentley Acquires InspectTech, Leading Provider of Software-as-a-Service for Bridge Safety

16 May 2012

Bentley Systems, Incorporated, today announced that it has acquired InspectTech Systems, Inc., a Pittsburgh, Pennsylvania-based provider of field inspection applications and asset management services for bridges and other transportation assets. Among current InspectTech users are federal and state departments of transportation, major transit agencies, toll authorities, counties, cities, and national and local consultants across the United States, as well as a major roadway authority in Australia. The InspectTech software-as-a-service (SaaS) solution helps asset owners streamline the process of planning inspections, collecting and managing inspection data, and complying with government reporting requirements. Benefits include a disciplined and systematic process, automated compliance reporting, reduced cost of inspections, and the ability to make better, more-informed decisions, leading to increased transportation safety. Bentley's goal is to exploit the full potential of new capabilities for information mobility to enhance asset management by integrating information modeling with inspection processes.

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Bentley Systems CEO Greg Bentley said, “On behalf of my colleagues at Bentley, I welcome these young and energetic entrepreneurs from InspectTech to our company. Mike Schellhase and Jeremy Shaffer, talented computer engineering graduates of Carnegie Mellon, had the vision ten years ago, right out of school, to apply a scalable server-based IT solution to address one of the world’s most pressing problems – infrastructure operational safety in general, and bridge safety in particular. They focused their efforts on building innovative products to deliver real value and reduced risk for owners and travelers, which has resulted in a fast-growing, highly successful business, already known for its software and services quality.”

He continued, “We will together be able to associate observed conditions and designed conditions through 3D as-built models – now readily available through point-cloud scans, managed and streamed through *ProjectWise Point-cloud Services* by way of hypermodels – linking surveyed and digital assets. By incorporating InspectTech services within our *AssetWise* platform, we will be uniquely able to fully serve bridge and other transportation owners with Bentley’s bridge information modeling (BrIM) benefits including, for example, *Exor* linear referencing and incident management, and *SUPERLOAD* permitting. In addition, through InspectTech’s ongoing role in developing for AASHTO (American Association of State Highway Transportation Officials) its *PONTIS BRIDGEWare* software, we look forward to working more directly with the departments of transportation to meet their bridge planning priorities.”

Jan Wiley, Bridge Management Engineer, Iowa DOT, said, “We are excited about the acquisition of InspectTech by Bentley Systems. We work closely with both companies and have received excellent support and service from both. We are confident, with Bentley’s history of acquisitions, that we will continue to see growth and integration of the InspectTech products and services that we depend on. Iowa DOT is a user of Bentley *SUPERLOAD*, and we feel one of the greatest benefits of this acquisition is that it will bring about improved workflows for bridge inspections and overweight and oversize solutions from Bentley. This will further improve the DOT’s ability to keep up-to-date information readily available and easily accessible for improving safety for routing and permitting operations.”

Mike Schellhase, InspectTech founding CEO and now Bentley product development director, said, “Jeremy and I, with our entire team, are enthusiastic about working with our new Bentley colleagues to globalize and integrate our InspectTech inspection workflows. It will be exciting to further advance what’s possible, as information mobility progresses rapidly in the convergence of designed and surveyed conditions – what we might call ‘as-operated’ information modeling – to improve asset performance and safety.”

He added, “As we’ve learned so much about transportation departments’ urgent needs and priorities in his respect, we are eager to scale up, through Bentley, to serve them all!”

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Company News

American Software to Present at Upcoming Investor Conferences

14 May 2012

American Software, Inc. today announced that Vincent Klinges, the Company's chief financial officer, will be presenting at the following upcoming investor conferences:

-- 13th Annual B. Riley & Co. Investor Conference, which will be held May 21 -- 23, 2012 at Loews Santa Monica Beach Hotel, 1700 Ocean Avenue, Santa Monica, Calif.

The Company will present on Tuesday, May 22 at 11:30 a.m. PDT in the Palisades C room. American Software management will be available throughout the day for one-on-one meetings. To schedule a one-on-one meeting, please contact your B. Riley representative. American Software's group presentation will be available for the public to access via the Investor Relations section of the Company's corporate website, www.amsoftware.com , or at <http://www.webcastregister.com/briley/2012/register/AMSWA> and will be archived for 90 days following the live presentation.

-- The Benchmark One-on-One Investor Conference, which will be held Thursday, May 31, 2012 at The Pfister Hotel in Milwaukee, Wisconsin. To schedule a one-on-one meeting, please contact your Benchmark representative. A copy of the presentation being discussed may be accessed via the Investor Relations section of the Company's corporate website, www.amsoftware.com .

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Arena Grows Net New Subscriptions by over 25% in the First Quarter of 2012

14 May 2012

Arena Solutions, a provider of cloud PLM applications for bill of materials (BOM) and change management, today announced that net new subscriptions grew by over 25% year over year in the first quarter of 2012.

The increase in new business can be attributed to Arena's 2011 investments in new products, like PDXViewer and PartsList, and integrations to cloud enterprise resource planning (ERP) solutions like SAP Business ByDesign and Netsuite, and component aggregators like Octopart.

“The market has been asking for lightweight apps that simplify the process of designing a product,” says Marc Escobosa, VP of Marketing and Design. “With new pricing plans for our cloud BOM and change management solution and new lightweight PLM applications like PartsList and PDXViewer, we can offer manufacturers of all sizes a solution that addresses their most pressing product data management challenges—and at a price that works for them.”

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The increase in new customer sales was accompanied by a high net renewal rate of 111%, thanks to Arena's continued focus on customer support, and its commitment to develop functionality for BOMControl that better connects manufacturers to their supply chains and customers.

"We've never been confined by what PLM is 'supposed to be,' and over the last year we have really focused on developing innovative offerings to our audience by connecting with other disruptive players in the market," said Steve Chalgren, VP of product and strategy. "In this first quarter, our partnership with Octopart enabled us to deliver something entirely new for BOMControl and PartsList—the ability to attach real-time component availability, compliance information and datasheets to components in a BOM. This type of functionality is not available in any other PLM system, and is an example of how we will continue to push the limits of PLM by offering something really innovative to our customers."

As always, Arena attracted a variety of innovative new customers from multiple industries, including high-tech electronics, clean technology, consumer products, medical device manufacturing and more. New subscribers included:

Hilmot Corp.—a provider of motorized drive roller conveyor solutions for material handling needs

Lumen Radio—a developer of wireless technology for wireless lighting control systems

SunEdison—a global leader in delivering solar power

Star Solutions Inc.—creator, developer and manufacturer of wireless infrastructure products for CDMA/GSM wireless operators

VIA Motors—an electric vehicle development and manufacturing company with a proprietary 650-volt eREV drive system technology designed for full size trucks and SUVs

Victron Energy—a leading supplier of inverters, chargers and solar applications for marine, industrial, off-grid, automotive and mobility markets

Also in Q1 of 2012, Arena surpassed its 99.5% service level agreement with 99.99% scheduled uptime and a continued focus on delivering the most secure and reliable collaborative BOM and change management solution available.

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Bentley Systems Honors Tom Lazear with Inaugural Bentley Institute Lifetime Achievement Award

16 May 2012

Bentley Systems, Incorporated today presented Tom Lazear, chairman of California-based Archway Systems, the longest-serving Bentley Channel Partner, with the inaugural Bentley Institute Lifetime Achievement Award. He was recognized on behalf of Bentley's California users, in particular, for his steadfast commitment to inspiring students, architects, and engineers to explore and innovatively apply computer technology in the service of design and engineering.

Lazear's passion for guiding and motivating young people in their pursuit of the software knowledge and skills they need for success as architects, engineers, and construction professionals has led to his tireless advocacy of Bentley Institute's *Be Careers Network*.

In presenting the award, Bentley Systems CEO Greg Bentley said, "Tom's length of service to the CAD and information modeling community of users far exceeds mine – for instance, we recently found a

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picture of Tom in a 1961 issue of *Consulting Engineer* demonstrating one of the first applications of computing in engineering. When he was the first graduate student at UCLA to submit a master's thesis combining computers and engineering, the faculty debated its relevance. Undaunted, he went on to more or less create the CAD business through co-development of VersaCAD .

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CADworks and ENGStudios merge to form ENGworks

15 May 2012

CADworks proudly announces its merger with ENGStudios. This new company, ENGworks, fuses talent and innovative thinking to create the largest comprehensive BIM services organization in the world. Combining over 25 years of experience in multiple facets of the industry with the talents of over 100 highly skilled employees, ENGworks promises to uphold the reputation of both companies, offering superior quality products, services, and support while continuing to develop the unrealized potential of BIM. With locations in the United States, Brazil, Australia, Argentina, China, Malaysia, Chile, and Mexico, ENGworks will provide the necessary knowledge into these emerging markets.

Christopher Di Iorio, an electrical engineer and founder of CADworks, will become CEO of global operations. His vision for ENGworks is to continue pioneering solutions for the integration of BIM in the AEC/O community.

Axel Kruger, founder and CEO of ENGStudios, Inc. will be part of the Board of Directors of ENGworks and lead the transition process, assuring both companies' strengths are fully leveraged.

ENGworks' comprehensive service offerings include Modeling/Coordination/Fabrication, Content Creation and Syndication, Implementation/Training, and BIM to Facilities Management, providing industry leading BIM services that bridge the gaps of knowledge, experience, and innovation.

ENGworks' vast array of products, including BIMXchange, Revit Piping Productivity Pack, YouBIM, MEP BIM Integration Suite, and WebAxis, aim to leverage the full potential of BIM with the purpose of assisting clients to maximize their return on investment. ENGworks will empower BIM technologies from concept to facility management, while building and maintaining strong alliances with other global leaders in the industry.

Visit us at <http://www.ENGworks.com>

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Construction Management Software Manufacturer Joins Bentley Technology Partner Program

11 May 2012

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EADOC, a supplier of collaborative [construction management software](#) for the architecture, engineering and construction industry, announced it has joined the [Bentley Technology Partner Program](#), which brings together comprehensive software solutions and the best products and services from partners around the world.

Bentley's partners are chosen for their expertise, competencies and knowledge in delivering unique solutions. "Our partnership with Bentley is an obvious solution given our common clients within the commercial/industrial space of the AEC industry," said Eric Law, EADOC's founder and CEO. "Our clients will have the ability to seamlessly exchange data through EADOC's [collaborative construction management software](#) with their current Bentley applications, combining the benefits of EADOC's innovative collaborative construction project management application with Bentley's industry leading engineering solutions."

Bentley Systems is a global leader dedicated to providing architects, engineers, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for sustaining infrastructure. Its solutions encompass the MicroStation platform for infrastructure design and modeling, the ProjectWise platform for infrastructure project team collaboration and work sharing and the AssetWise platform for infrastructure asset operations – all supporting a broad portfolio of interoperable applications and complemented by worldwide professional services.

According to Law, "Clients are looking for seamless data movement between applications and among project participants as their projects go from concept to operations. This partnership is a major step forward for firms looking to achieve interoperability across their project management and engineering applications." Upcoming projects from this partnership between EADOC and Bentley Systems will include integration with Bentley's Engineering Information Management and collaboration software Projectwise with their i-model container for open infrastructure information exchange.

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Dassault Systèmes Announces Latest SolidWorks Software - Education Edition 2012- 2013

14 May 2012

Dassault Systèmes has unveiled SolidWorks Education Edition 2012-2013. New enhancements include tools for mechanical design, simulation, sustainable design, and cost tracking, enabling students to experience real-life engineering situations, and to compete more effectively in today's global workplace.

In addition to offering software that empowers educators to more easily train their students for their dream jobs, Dassault Systèmes provides a comprehensive SolidWorks curriculum library with more than 20 hands-on projects for students at every level and experience. Designing and building bridges, cars, and trebuchets helps make science, technology, engineering, and mathematics (STEM) fun. The latest version of the product also integrates Facebook access within SolidWorks, making it easier to collaborate. Students can now post projects on their personal pages to share with friends, or post to the SolidWorks Facebook page to share with the larger SolidWorks community.

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"For students interested in the field of design and engineering, SolidWorks is a must-have tool to open up doors from the classroom to the workplace," said Emma Katharine Singer, a mechanical engineering student from the University of Colorado, Boulder. "SolidWorks is easy-to-use and quick to learn, providing students with a leg up when it comes to the real world. I am confident that my Certified SolidWorks Associate (CSWA) status will give me a clear advantage in the job market, and I hope the same for others students looking to advance in the industry."

Sustainable design is also a focus of this year's enhancements. The updated CAD Instructor's Guide includes a chapter on sustainable design to help students analyze the future environmental impact of their designs. Qualified schools with a SolidWorks Education Edition subscription can now administer the Certified Sustainable Design Associate (CSDA) exam, in addition to the Certified SolidWorks Associate (CSWA) exam to its students. The new exam tests the fundamentals of lifecycle assessment and provides an introduction into the environmental impact of products. SolidWorks Certifications are considered a major asset in a job search because they effectively validate student expertise to prospective employers.

"More than 24,000 secondary schools and universities worldwide have inspired and effectively equipped the next generation of design leaders to solve the world's most pressing design problems with the SolidWorks Education Edition," said Bertrand Sicot, CEO, SolidWorks, Dassault Systèmes. "The latest version of the software and updated curriculum helps us to provide our customers with highly trained employees who can immediately add value in collaborating on design issues, across time zones and different cultures."

"This new SolidWorks Education Edition is part of a more comprehensive 3DEXperience Platform Education program that we run each year to enhance the learning and understanding of students and users everywhere in the world," said Monica Menghini, Executive Vice President Industry, Marketing and Corporate Communication at Dassault Systèmes. "The applications of our 3DEXperience Platforms are more and more of an indispensable tool for the academic world."

Based on SolidWorks Premium 2012 software, the new education edition includes the following enhancements:

An electronics cooling application that lets users analyze thermal simulations, helping ensure that heat doesn't melt a product's electronics;

A heating, ventilation, and air conditioning (HVAC) application for simulating airflow;

A design costing tool that makes it possible for students to utilize their STEM competencies to evaluate material characteristics and design costs.

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Genworth Names Tata Consultancy Services Limited (TCS) Strategic Supplier of the Year

16 May 2012

Genworth Financial, Inc today announced that Tata Consultancy Services (TCS), is the recipient of its 2011 Strategic Supplier Partnership Initiative (SSPI) award. The award recognizes key suppliers that show commitment to embodying Genworth values and demonstrating innovation, continuous improvement and cost performance.

TCS provides Genworth a broad range of application development and 24x7 technical support services

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across key administration platforms globally. TCS also provides strategic thought leadership across many key business and technology initiatives by leveraging its deep Insurance domain expertise and its investments into new and innovative technologies. TCS is one of Genworth's largest services providers and recently celebrated 15 years of partnering together.

"TCS has earned an enterprise-wide reputation from Genworth for delivering technology services and solutions that drive business value and results. We applaud TCS for having consistently demonstrated thought leadership and agility in meeting Genworth's strategic priorities from consulting on retail care coordination applications to helping support our formulation of a Global Mortgage Insurance IT support strategy" says Lance Davis, Genworth Senior Vice President, Finance Shared Services.

"Receiving Genworth's Strategic Supplier award is an honor and tribute to the quality of work we do for them," said Suresh Muthuswami, President, Insurance and Healthcare Group at TCS. "This award is a testament to the strength of our 15+ year relationship with Genworth across the globe, and to our commitment to delivering strategic and innovative services to help our Insurance clients operate their business with greater efficiency and agility."

"The partnership between TCS and Genworth has excelled because of the shared values and strength of purpose that our two companies have. The dedication and hard work of our teams, our innovative solutions and our global reach has enabled us to deliver on our promise of Experience Certainty," said Srikant Venkatesh, Client Partner, TCS-Genworth.

About Genworth Financial

Genworth Financial, Inc is a Fortune 500 insurance holding company dedicated to helping people secure their financial lives, families and futures.

Genworth has approximately 6,400 employees and operates through three divisions: Insurance and Wealth Management, which includes U.S. Life Insurance, Wealth Management and International Protection segments; Global Mortgage Insurance, which includes U.S. and International Mortgage Insurance segments; and the Corporate and Runoff division. Its products and services are offered through financial intermediaries, advisors, independent distributors and sales specialists. For more information, visit genworth.com.

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GRAPHISOFT and InterSpec, Inc. Announce ArchiCAD e-SPECS Integration

14 May 2012

GRAPHISOFT® announced today the integration between e-SPECS and ArchiCAD. Both GRAPHISOFT and InterSpec, Inc. are committed to offering the best software solutions in their respective fields; linking the technologies will enhance the work of architects and facilitate construction management projects.

The e-SPECS Specification Management product suite serves to automate the preparation of construction specifications and selection of products and materials that are incorporated into

CIMdata PLM Industry Summary

construction projects. With e-SPECS for ArchiCAD, users have truly integrated and coordinated construction documents.

"This integration is something our users have looked forward to exploiting in their daily practice," said Steve Benford, GRAPHISOFT North America, Managing Director. "ArchiCAD users always keep a keen eye out for chances to create their designs in such a way that workflow is fully optimized and productivity is enhanced."

Architects, engineers and construction professionals use InterSpec's e-SPECS products on thousands of projects annually to maintain synchronization between construction models, drawings, and project specifications. ArchiCAD integration with e-SPECS provides overall cost management during the process of developing project construction documents.

"We welcome ArchiCAD to the family of BIM applications we support," said Michael Brennan, President of InterSpec. "We're happy to be able to deliver something ArchiCAD customers have been seeking - a way to take advantage of our specification automation and coordination systems. Our e-SPECS Application Program Interface (API) provides automation, coordination, and access to the specifications and other project data."

About GRAPHISOFT

GRAPHISOFT® ignited the BIM revolution with ArchiCAD®, the industry first BIM software for architects. GRAPHISOFT continues to lead the industry with innovative solutions such as the revolutionary GRAPHISOFT BIM Server(TM), the world's first real-time BIM collaboration environment, and the GRAPHISOFT EcoDesigner(TM), the world's first, fully integrated building energy modeling application. GRAPHISOFT's innovative solutions have fundamentally changed the way architects around the world design and collaborate. GRAPHISOFT® has been part of the Nemetschek Group, since its acquisition in 2007.

About InterSpec

InterSpec provides construction document management solutions and services built on its patented e-SPECS specification management technology. e-SPECS software automates the specification process by extracting the product and material requirements directly from the project's BIM models and drawings. e-SPECS integrates directly with Autodesk and GRAPHISOFT BIM applications and supports all specification master libraries of MasterSpec®, US Dept of Veterans Affairs, Canadian Master Specifications (CMS), National Master Specifications (NMS), as well as the ability to integrate custom office masters. For architects and engineers who spend many hours on every project preparing construction specifications, e-SPECS software saves time and money while ensuring that the construction drawings are coordinated with the specifications. For more information visit www.e-SPECS.com or contact sales at +1-207-772-6135 or email to sales@e-SPECS.com.

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IMAGINiT Technologies Delivers on Promise of \$15,000 Charitable Donation

17 May 2012

Rand Worldwide is proud to announce that its IMAGINiT Technologies division has surpassed their initial fundraising goal of \$10,000 USD by making a charitable contribution totaling \$15,000 USD spread across three charitable organizations.

To ensure CAD industry professionals continued to receive the most relevant content, IMAGINiT Technologies logged virtual dollars every time a customer updated their online profile. Since one good turn deserves another, the organization then offered to make a donation to the charity of their choice: Habitat for Humanity, Humane Society, or UNICEF.

”Our business objective was to update, segment, and improve our database,” says Marc Dulude, CEO, Rand Worldwide. “By tying this need to something a little more fun, we were able to meet our goal of being able to precisely disseminate industry specific content to those who’ve asked for it while also raising funds for three worthy causes.”

Although each one of these notable charities represents a worthy cause, the feedback from this subset of CAD industry professionals determined how IMAGINiT allocated the charitable donation. The breakout of the \$15,000 as selected by these CAD industry professionals is outlined below by percentage.

- 56% of donations are going to Habitat for Humanity
- 25% of donations are going to the Humane Society
- 19% of donations are going to UNICEF

To confirm or update your profile to ensure you’re receiving the most relevant content that best serves your particular needs, please [click here](#).

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Infor Hires Ali Shadman as Senior Vice President

14 May 2012

Infor today announced that it has hired industry veteran Ali Shadman as Senior Vice President to lead a new organization dedicated to helping customers rapidly upgrade and embrace the latest Infor technologies, including the Infor10 Business Cloud. Reporting directly to CEO Charles Phillips, Ali will be responsible for building efficient tools and programs which accelerate customer upgrades to current releases of Infor applications.

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"Infor has introduced a wealth of new technologies and now we are proactively helping customers take advantage of these innovations by upgrading to current releases more easily," said Charles Phillips, CEO of Infor. "Ali's new organization will assess customizations with the goal of retiring or productizing them, facilitate upgrades directly to the cloud, and exploit virtualization to allow hybrid cloud-on premise deployments."

Prior to joining Infor, Ali served as Vice President and Chief Technologist for Hewlett Packard's (HP) Technology Consulting division. Prior to HP, Ali served in various consulting, strategic, and leadership positions at companies including Oracle, Unisys, and Microsoft, as well as private equity-funded startups. He is a graduate of the University of Essex, England, and London Metropolitan University.

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Mastercam X6 Now Certified for Autodesk Inventor 2013

17 May 2012

CNC Software, developer of Mastercam CAD/CAM software, announces that its Mastercam X6 CAD/CAM Software has been certified for Autodesk Inventor 2013 3D mechanical design software under the Autodesk Inventor Certified Applications Program. Digital Prototyping with Autodesk Inventor software gives manufacturers the ability to digitally design, visualize, and simulate how a product will work under real world conditions before it is built, which helps reduce cost and increase efficiency. To be certified, the product must meet certain guidelines and demonstrate a high level of quality as well as compatibility with Autodesk Inventor software. Certification is given only after the product has been tested and approved.

"We are very happy to be certified for Autodesk Inventor 2013. Many Mastercam customers receive Inventor files, so both communities can be assured of the seamless integration between our two products," says Gary Hargreaves, director of business development for CNC Software. "The flow from design to manufacture becomes easier for both Inventor and Mastercam customers, where the designer can be assured that the part designed in Inventor is precisely the part that is machined with Mastercam. Both companies are working together to provide customers with the best in CAD and CAM software. The Mastercam and Autodesk Inventor integration offers users a way to easily work between the two products and stay ahead of their competition."

Mastercam X6 has a direct add-in for Autodesk Inventor, a great way to boost productivity. Free to the Mastercam and Autodesk communities, Mastercam Direct enables users to open a model in Mastercam while in an Inventor session, and then update toolpaths to reflect changes to the model. Mastercam X6 is able to read in native Inventor files (.IPT and .IAM) for design purposes and toolpath generation.

"Autodesk Inventor software users can import part files and manufacture them quickly using Mastercam X6" says Carl White, director of digital design product management at Autodesk. "Having partners, such as Mastercam, in the Autodesk Certified Application Program assures users that the same standards of product quality we want for Autodesk Inventor are being extended to the Mastercam suite of solutions."

Mastercam Direct for Inventor is available at no charge from www.mastercam.com or through your local Mastercam Reseller.

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Tata Consultancy Services gets Partner Impact Awards presented at SAP field kickoff

14 May 2012

Tata Consultancy Services announced that it has received Partner Impact Awards from SAP for superior SAP HANA sales performance and SAP practice expansion.

According to Tata, the awards were presented during the SAP Asia Pacific Japan Kick-Off Meeting 2012, held recently in Singapore, to the top-performing SAP channel partners and SAP services partners in the APJ region for outstanding contributions that impact overall SAP sales and pipeline-generation goals.

As the recipient of the SAP HANA Impact Award, TCS was honoured for sales performance in revenue. The Commitment to Quality Impact Award, for SAP practice expansion, was awarded to TCS based on the number of consultants ramped up, trained and certified for the SAP environment in 2011.

A steering committee comprising regional and global SAP representatives determined winning partners in each category according to numerous criteria such as sales achievement and performance. TCS received the award during the SAP APJ FKOM 2012, an annual gathering of SAP executives, SAP field employees and partners to learn about SAP's strategy, sales methodology, best practices, business growth opportunities and product innovations. The theme of this year's meeting, 'Run better, Win bigger', prominently featured SAP's innovation story focusing on its core pillars — analytics, cloud, mobility and in-memory computing — as well as solutions for industries and lines of business on a consistent core.

“Our partners’ regional, industry and solution expertise plays a crucial role in driving game-changing co-innovation and expanding our market reach and customer touch points,” said Bronwyn Hastings, senior vice president, ecosystem and channels, SAP APJ. “As a recipient of two 2012 SAP Partner Impact Awards, we recognise TCS’s commitment and efforts in developing and growing its partnership with SAP and driving customer success.”

“We are pleased to see these results from our major investments in business transformation capabilities as well as the solutions we build around SAP HANA, mobility and analytics applications,” said Raman Venkatraman, global head, SAP practice, TCS. “In conjunction with SAP, TCS is well positioned to provide joint customers with integrated, synchronised, and connected enterprise solutions that meet current business and IT demands.”

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WVU Receives In-Kind Software Grant of More Than \$425 Million

16 May 2012

West Virginia University's Benjamin M. Statler College of Engineering and Mineral Resources Department has been awarded a Siemens PLM Software's in-kind software grant of more than \$425 million, according to a news release from WVU.

The in-kind grant was provided by Siemens PLM Software's Global Opportunities on PLM, a program that delivers PLM technology to more than one million students yearly, where it's used at all academic levels, according to the news release.

The grant will give WVU students the chance to use the same product lifecycle management software in the classroom that is used by leading companies around the world, officials said.

The software will be integrated in two Statler College departments: the Department of Mechanical and Aerospace Engineering and the Lane Department of Computer Science and Electrical Engineering.

"This type of advanced technology is very important to helping us prepare our students for their careers," said Gene Cilento, Glen H. Hiner Dean of the Statler College, WVU. "We are very pleased to partner with Siemens PLM Software to provide our students with access to these state-of-the-art tools and prepare them to be our country's engineers of tomorrow."

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Events News

Altair Kicks Off Global HyperWorks Technology Series with Americas Conference in Detroit

15 May 2012

Altair, developer of the popular HyperWorks computer-aided engineering software suite, today kicked off its global HyperWorks Technology Conference Series in Detroit. In just five years, Altair's annual HTC Series (#HTC2012) has grown into one of the premier PLM technology events for the advanced manufacturing community. The international conferences in total bring together more than 3,000 industry professionals from a broad range of industries.

The 2012 Americas HTC is being held at the Detroit Marriott at the Renaissance Center, May 15-17, where featured speakers will share key insights on the latest computer-aided engineering and industry trends, as well as best practices and anecdotes related to their experiences using the HyperWorks software suite. Headlining activities on May 16 are keynote addresses from:

James R. Scapa, chairman and CEO, Altair Engineering

T.K. Mattingly, Apollo 13 and Apollo 16 astronaut, veteran of NASA's Space Shuttle Program, and current director of Systems Planning and Analysis, Inc.'s Space Enterprise

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Luca Pignacca, chief designer and EU racing business leader, Dallara Automobili

Marc Halpern, vice president of research for product lifecycle management strategies and software applications, Gartner, Inc.

May 17 will feature presentations from key Altair executives who will discuss Increasing the Pace of Innovation Using HyperWorks, highlighting Altair ProductDesign's BUSolutions project as a real-world example. At the conference, attendees will have the opportunity to see BUSolutions LCO-140H, the world's first series hydraulic hybrid transit bus. The vehicle has demonstrated fuel economy results that are 110 percent better than conventional diesel buses and 30 percent better than the leading diesel-electric hybrid buses available today.

"The HTC series brings to life Altair's core values for our customers in a tangible and actionable way," said Scapa. "We are putting technology in the forefront of our discussions, connecting people from different industries and diverse backgrounds who have to solve similar problems, and giving them freedom to access news tools and best practices, all to directly benefit their businesses and increase their innovation intelligence."

The centerpieces of HTC events worldwide are the customer experience stories describing the various real-life usage scenarios and successes of employing HyperWorks, Altair's simulation software suite. HyperWorks includes tools for modeling, analysis, visualization and data management capabilities for linear and non-linear, structural optimization, fluid-structure interaction, computational fluid dynamics and multi-body dynamics applications.

Altair's global 2012/2013 HTC dates and locations include:

Americas: May 15-17, 2012

Japan: June 28-29, 2012

India: July 17-18, 2012

Korea: September 7, 2012

Malaysia: September 11-12, 2012

Shanghai, China: September 20-21, 2012

Europe: April 22-24, 2013

The global HTC series will encompass topics of simulation, predictive analytics, optimization, high-performance computing and cloud architectures in an effort to help users make better engineering and business decisions.

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HTC2012 is Altair's premier annual event and is free for all attendees. For more information and to register, visit www.altairhtc.com. Connect with HyperWorks on Twitter (hashtag #HTC2012), Facebook and the Altair HyperWorks LinkedIn group for HTC2012 updates and information.

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Apriso Hosts Fifth Annual Global Community Day Events in Houston and Paris

16 May 2012

Apriso today announced that it will host its fifth annual Apriso Community Summit, themed Innovation Exchange 2012. This year's exclusive Apriso customer event will take place in Houston, TX, USA, on June 4-6 and in Paris, France on June 14, 2012, to accommodate Apriso's global network of customers and partners.

“We are delighted to continue offering customer community events bringing together the world's leading manufacturers to discuss best approaches to top global manufacturing operations challenges”

These annual events create a unique opportunity for Apriso customers to network and share experiences with products and projects. Apriso's product management team will be in attendance to offer insights into future product releases and what's new with Apriso's platform-based solutions for Manufacturing Intelligence and Manufacturing Operations Management.

Notably, the event in Houston will be hosted by global power leader Cummins Inc., and will feature a guided tour of the Company's High Horse Power Engine facility in Houston. This tour will provide an inside look at how Cummins is leveraging Apriso products to meet its global manufacturing operations and growth challenges.

Apriso Innovation Exchange 2012 events are attended by a variety of forward-thinking, high-level manufacturing executives from corporate, line-of-business and IT functions. The event is geared towards senior managers, directors and C-Level executives seeking ways to transform their global manufacturing operations, and to meet current production and supply chain challenges. Attendees will have the opportunity to share best practices while learning how to better optimize, expand and govern their FlexNet deployments on a multi-plant, global scale to achieve and sustain manufacturing excellence.

“We are delighted to continue offering customer community events bringing together the world's leading manufacturers to discuss best approaches to top global manufacturing operations challenges,” stated Jim Henderson, president and CEO of Apriso. “As manufacturing complexity intensifies in an increasingly global environment, there is a strong need for platform-based manufacturing solutions to meet a growing set of challenges. We look forward to discussing these pressing issues with our clients and partners as we continue to redefine industry best practices.”

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Delcam's latest CAM developments on show in Brazil

16 May 2012

Delcam's Brazilian reseller, SEACAM, will demonstrate the latest versions of its range of CAD/CAM software at the Fiera da Mecanica exhibition to be held in Sao Paulo from 22nd to 26th May. Delcam employs the largest team of CAM developers of any supplier and the results of their work will be seen in 2012 releases of PowerMILL for high-speed and five-axis machining, FeatureCAM for feature-based programming, PartMaker for Swiss-type lathes and turn-mill equipment, ArtCAM for artistic applications and the Delcam for SolidWorks integrated CAM system.

Together, these programs comprise the world's most comprehensive range of CAM software from a single supplier. This broad coverage is one of the reasons why Delcam has been ranked as the world's leading specialist supplier of NC software and services by US analysts Cimdata for the past eleven years. It means that large companies can source all of their CAM requirements from a single supplier, while smaller organisations can be sure that they can obtain exactly the software they need, rather than having to accept a compromise solution.

SEACAM will also demonstrate the 2012 versions of Delcam's PowerSHAPE design and reverse engineering software and the PowerINSPECT inspection system.

The 2012 R2 version of Delcam's PowerMILL CAM system for high-speed and five-axis machining includes new and enhanced strategies for both roughing and finishing, such as step cutting within area clearance and the ability to use polar milling when programming machines with a rotary table. Full details of both the 2012R1 and R2 releases, including videos demonstrating the new functionality, can be seen on www.delcam.tv/pm2012/lz.

The 2012 R2 release of FeatureCAM also includes important new strategies for roughing and turn-mill operations, alongside a range of more general enhancements to allow faster toolpath generation. The main addition is a series of new strategies for 2.5D roughing, including a continuous spiral option to minimise wear on the cutter and machine tool, high-speed roughing options, including trochoidal machining and Delcam's patented Race Line Machining, and "tear-drop" moves to clear corners more smoothly. Videos of this functionality can be seen on www.delcam.tv/fc2012/lz.

Major highlights of the 2012 release of PartMaker include improved visualisation, more powerful simulation of vertical and horizontal machining centres, support for the latest breed of multi-axis bar-fed mills, turn-mill centres and Swiss-type lathes, greater flexibility and control in process development. New rotary machining functionality allows the user to perform 3D surface machining using cylindrical interpolation, while the software's powerful Full Machine Simulation technology has been extended to vertical and horizontal machining centres. These options can be seen on www.delcam.tv/pmk2012/lz. Finally, the 2012 R2 version of Delcam for SolidWorks, the integrated CAM system for SolidWorks, includes new modules for b-axis turn-mill and four-axis wire EDM, plus numerous improvements to the existing functions for rough milling and finishing. As a Gold Partner CAM product, it is, of course, fully compatible with the latest release of SolidWorks. www.delcam.tv/dfs2012/lz.

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Delcam to show easier inspection software at CMSC

14 May 2012

Delcam will demonstrate the 2012 release of its PowerINSPECT inspection software at the Coordinate Metrology Systems Conference (CMSC) to be held in New Orleans from 16th to 20th July. The new version includes a number of extra options to make inspection easier and quicker, plus the addition of basic reverse engineering functionality to the point-cloud module.

PowerINSPECT is firmly established as the world's leading hardware-independent inspection software, with the 64-bit version providing exceptional calculation speed where larger CAD files need to be manipulated, especially for very complex parts and multi-component assemblies. The software combines the ability to work on all types of inspection device with a comprehensive range of measurement routines for making simple measurements, for inspecting geometric features and for checking complex surfaces. The resulting reports present detailed information in easy-to-read formats that can be understood by all engineers, not just inspection specialists.

One option in the 2012 release offering significant time-savings, as well as improved ease of use, is the new mirror command that has been added for symmetrical components. This allows the inspection sequence to be mirrored from one half of a component to the other half, or from the left-hand version of the design to the right-hand copy. The new feature also reduces the possibility of programming errors and improves the consistency of the results between the two halves or parts.

The range of dimensions that can be displayed on the model has been increased to include more types of distance, angles and diameters, and radii. The options to display the various dimensions from the increased range have been made more versatile, to ensure the reports remain easy to read with only the required dimensions shown.

There are two important additions to the PowerINSPECT 2012 point-cloud module for laser scanners and other point-cloud devices. STL export provides basic reverse engineering functionality for scanned data. The STL files can be used within Delcam's PowerSHAPE Pro design software for more advanced reverse engineering operations. Point-cloud display has been enhanced with an option to show any back-facing points in a second colour. This highlights any discontinuities in the data, including gaps or other problem areas, and so makes it easier to identify areas that may need re-scanning to capture the complete model.

Of more general benefit is the ability to measure edge points directly; it is no longer necessary to measure the surface first. This makes the process both easier and faster. However, it is recommended that both the edge and the surface should be checked if there is any likelihood of the part being distorted, for example, when checking sheet-metal components.

The inspection of castings and forgings, and similar near-net shapes, has been improved with the addition of a new best-fit option. This centres the component within the measurement data collected with PowerINSPECT so that the largest possible minimum stock is located around the part. It ensures that positive material exists in all areas of any semi-finished part before it is sent for further machining. The option can be used in combination with the PartAligner software to minimise set-up times.

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A number of enhancements have been included to give faster and easier programming, with less chance of errors. A new "lock workplane" option automatically creates a datum scheme within PowerINSPECT's GD&T True Position, matching the part's coordinate system, while standard tolerances for Limit and Fit to ISO 286 and ISO 2768 have been included so that they can be selected from a pre-defined list.

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Infineta Systems to Showcase WAN Optimization Solution for "Big Traffic" At EMC World 2012

16 May 2012

Infineta Systems announced today that the company will be showcasing its Data Mobility Switch (DMS) solution at EMC World 2012, taking place May 21-24 at The Venetian Hotel in Las Vegas, Nevada. With data sets doubling yearly in size for many enterprises, Infineta's solutions are ideally suited to help enterprises meet aggressive RPO/RTO targets and protect more data. An interactive demonstration of the DMS accelerating asynchronous replication (e.g. SRDF/A) and migration (e.g. Adaptive Copy) workflows will be on display at the Infineta booth (# 814) throughout the event.

"We are honored to have been selected to showcase our DMS solutions at EMC World," said Raj Kanaya, Co-Founder and Chief Executive Officer for Infineta Systems. "The opportunity to demonstrate our unique technology solution at one of the industry's premier conferences reinforces the industry's need for our solution and exemplifies our commitment to building a strong partnership with EMC," said Kanaya.

Infineta Systems is the first networking company to develop and market WAN optimization systems that accelerate inter-data center WANs running at up to 10 Gbps wire speeds. Infineta's Data Mobility Switch (DMS) is the only WAN optimization system that leverages merchant-silicon (e.g. switching ASIC) to deliver a distributed, high-performance platform with port-to-port latencies averaging 50 microseconds. An innovative leader in WAN optimization, Infineta understands the complexity of today's applications and the performance required to manage application traffic across the enterprise.

About Infineta Systems

Based in San Jose, California, Infineta Systems is a privately held, leading provider of WAN optimization systems for Big Traffic. The company's patent-pending Velocity Dedupe Engine delivers unprecedented levels of throughput, scalability and bandwidth capacity to support critical machine-scale workflows across the data center interconnect. Its flagship product, the Infineta Data Mobility Switch, accelerates multi-gigabit BCDR (Business Continuity/Disaster Recovery), cross-site virtualization, and Big Data traffic. The company is backed by Rembrandt Venture Partners, Alloy Ventures and North Bridge Venture Partners. For more information visit www.infineta.com.

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Record-Breaking Turnout at EMC World Expected

16 May 2012

EMC Corporation will host more than 13,000 customers, partners, technologists, press, bloggers and analysts at its 12th annual EMC World conference. The event, designed for a global audience, will take place from May 21-24 at The Venetian in Las Vegas and focuses on the theme of IT, business and personal "Transformation." The theme, which has driven record-breaking attendance at this year's show, will focus on how customers can use cloud to transform IT, Big Data to transform business and tools and training designed to help attendees transform themselves.

Highlights:

- Key EMC and industry executives will deliver keynote presentations during the event. Joe Tucci, EMC Chairman and CEO; Pat Gelsinger, EMC President and COO of Information Infrastructure Products; and Paul Maritz, CEO of VMware will provide insight into EMC, its technology and the market. For a full list of keynotes, please visit: <http://www.emcworld.com/keynotes.htm>.
- As always at EMC World, the agenda is packed with more than 100 hands-on labs as well as 500 breakout sessions designed to enable attendees to further their infrastructure strategies, extract value from the cloud, capitalize on Big Data and nurture their careers.
- EMC's first-ever BUZZ Talks online series offers provocative, inspirational, informal talks by EMC executives, model SMEs and customers. BUZZ Talks welcomes Bret Hartman, CTO of RSA, to discuss "Security and Virtualization, You Can Have it All!" and Sujal Patel, President of EMC's Isilon storage division, to present "Big Data, Hype or Hope?" With a variety of formats and participants, BUZZ Talks offer a backstage pass to all things EMC.
- EMC's second annual Data Science Summit is designed as a forum for industry leaders to discuss how data science has changed our future, and the trends and challenges that will define its evolution. The summit will bring together more than 500 executives and practitioners from across business, academia and the public sector to explore how data scientists can optimize teams and strategies to realize the full potential of data science. For full details visit: <http://www.datascientistsummit.com/>.
- Momentum, the year's most important content management conference, will host more than 1,000 attendees to discuss transformation of infrastructure, application and business in breakout sessions and hands-on labs. The show also features the EMC IIG Services Group Genius Lab, where attendees can conduct free one-on-one consulting sessions. For full details, visit: <http://www.emcworld.com/momentum.htm>.
- The CIO Summit will take place May 21-22. At this exclusive, invitation-only event hosted by Howard Elias, President and Chief Operating Officer, EMC Information Infrastructure and Cloud Services, and Sanjay Mirchandani, EMC CIO and COO, Global Centers of Excellence, CIOs from a variety of industries will hear from EMC executives and CIO peers discussing how cloud computing is transforming IT, how Big Data will transform business and how to ensure trust in the cloud while transforming their organization to deliver IT as a service.
- More than 3,000 alliance and channel partners will attend the EMC [Global Partner Summit](#), May 20-22 at The Venetian. Partners will connect with EMC executives and go-to-market teams, and learn through strategic business and technical discussions how to capture market share and

expand their businesses.

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SAP Customers Embrace Breakthrough Technologies for Innovation, Growth and More Powerful Business Models

14 May 2012

The SAPPHIRE® NOW conference from Orlando kicked off with 60,000 customers, partners and employees of SAP AG (NYSE: SAP) gathering in person and online to understand how profound new technologies are reshaping companies, industries and the way people live and work. On the opening day, SAP customers, including CoinStar, Burberry and Ace Hardware, demonstrated how forces shaping today's IT landscape -- big data, cloud and mobile -- are helping them keep pace with rapidly changing customer needs and buying behavior. The announcement was made at [SAPPHIRE NOW](#), being held in Orlando, Florida, May 14-16, 2012.

Today's businesses operate in a digital economy where information is vast, interconnected and automated. Companies must continuously transform their business models to remain competitive in a world with rapidly changing global economic conditions and events.

"When I talk to CEOs, I hear three big problems consistently, across all industries: How can we innovate better? How do we grow profitably? How do we transform our business models?" said Bill McDermott, co-CEO, SAP AG. "Businesses today must be serial innovators and move in almost surreal time to anticipate the needs of customers and deliver an incredible and personal customer experience."

Top Executives Share Success Stories at SAPPHIRE NOW

Top executives from Ace, Burberry and Coinstar are participating in a keynote panel discussion with McDermott on Monday, May 14, at 4:30 p.m. EDT. Representatives joining McDermott on stage at SAPPHIRE NOW include Ray Griffith, CEO of Ace Hardware; Angela Ahrendts, CEO of Burberry; and Scott DiValerio, president of Redbox and corporate CFO Coinstar. The panel will be broadcast via the virtual platform at www.sapphireNOW.com, with a replay available following the session.

Solving Retail Problems With SAP® Solutions

Embracing technology has helped [Burberry](#), the iconic British luxury brand, to build a "young, old" company that combines a 156-year heritage with a modern attitude. Once a federation of businesses, Burberry today is one globally SAP-connected organization, with full visibility across its retail network and a pure, consistent brand worldwide. From concept to customer, every part of the business and culture has been touched and transformed by technology, enabling greater responsiveness, deeper engagement and compelling customer experiences that blur the boundaries between the physical and virtual worlds. Burberry has used solutions from the SAP® for Retail solution portfolio and other industry-specific solutions from SAP for business-critical functions in the fashion world that include optimizing supply chain logistics, customer segmentation, spotting hot items and driving down stock inventory.

[Coinstar, Inc.](#) a leader in automated retail, was faced with a positive yet challenging problem: outdated legacy systems supporting its growing core businesses and promising new ventures. It needed a way to

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identify synergies and share information to enable the company to continue providing its simple and convenient solutions to a growing number of consumers. Coinstar tackled the problem by revamping its IT infrastructure, retiring legacy systems and adopting a shared-services environment. The company divested under-performing ventures and used that capital to reinvest in its core businesses, Redbox® movie rental and Coinstar® coin-counting kiosks as well as new automated retail concepts. Coinstar runs the SAP® ERP application, recently went live on the 10.0 version the SAP® Planning and Consolidation application and is in ramp-up on SAP® Data Services software 4.0. The company has implemented enterprise-wide support for its financial record-to-report and requisition-to-pay scenarios. Today, Coinstar is a large enterprise with more than 50,000 kiosks in the market and annual revenue of approximately US\$2 billion.

Similarly, [Ace Hardware](#) was at risk to the "big box" retailers. Priding itself on being "the helpful place," Ace understood that customers were becoming increasingly social. Consumers shared experiences - good or bad - with their friends and neighbors verbally and electronically. Ace wanted an enterprise that enabled small retailers to enjoy bulk-buying prices but maintain a local, personal feel. As a prime user of SAP solutions for supply chain management and with SAP® Rapid Deployment solutions, Ace has been able to rapidly enable business processes, gain real-time data and distribution for quick reaction to global changes and develop specialized merchandizing capabilities. Ace used its data to understand demographics, and for visibility into things such as seasonal buying trends. Using mobile connectivity, personalization and buyer insight, the company not only maintained profitability, it remained a vital part of the community.

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Si2 Announces New Session for “Si2 Roundup@DAC”

15 May 2012

The Silicon Integration Initiative (Si2) today announced a new session for the “Si2 Roundup@DAC: Standards in Action” co-located event at the Design Automation Conference, which will be held June 3-7 at The Moscone Center in San Francisco, CA. The new session entitled “New Si2 Standards In Action On Real-World Tools” will be on Monday, June 4, from 2PM – 3PM, in Room 301.

This session will demonstrate the recently published Si2 Open Process Design Kit (OpenPDK) standards and Open Design for Manufacturability (OpenDFM) standards working with commercially available tools. Si2 standards promote interoperability and these demos are designed to illustrate that point. The demos will show the OpenPDK symbol standard validating the correctness or incorrectness of a schematic symbol change as compared to the standard in real time. The OpenDFM standard will demonstrate an integrated physical verification flow from an electronic Design Rule Manual (eDRM) to XML, to OpenDFM and to four different DRC engines.

This new session is part of a free day-long program, consisting of 4 individual events, which will showcase activities currently underway in order to demonstrate the value of these programs to the semiconductor industry. Attendees should include engineers and technologists working at both current

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and cutting-edge technology nodes and also managers responsible for driving both design and manufacturing strategy, and related financial and staffing decisions.

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Technip and 3M at Dassault Systemes' SIMULIA Community Conference

15 May 2012

Dassault Systemes today announced that Jim O'Sullivan, vice president of Technip, and Anthony B. Ferguson, lead engineering specialist of 3M, will keynote the 25th international SIMULIA Community Conference (SCC) taking place May 15-17 in Providence, Rhode Island. Bernard Charles, president and CEO of Dassault Systemes, will take the stage to discuss the newly revealed 3DExperience Platform, which transforms innovation by connecting designers, engineers, marketing, and consumers in a new "social enterprise."

The keynote speakers will be joined by more than 85 thought-leading presenters from a wide range of international manufacturing and research organizations, including Caterpillar, General Motors, Tetra Pak, Goodrich, Halliburton, Hyundai, Medtronic, and NASA, among others. Multiple industry sessions will set the stage for in-depth discussions focused on solving real-world engineering challenges through the use of SIMULIA's scalable and robust solutions for unified finite element analysis, multiphysics simulation, design exploration, and simulation lifecycle management.

"Our customers are using realistic simulation as a strategic asset to make better products, improve quality of life, and build a more sustainable society," said Monica Menghini, executive vice president, Industry, Dassault Systemes. "We are committed to lead and invest in research and development of advanced realistic simulation technology, a core asset in our 3DExperience Platform. The experts in the SIMULIA user community will continue to be at the cutting edge of exploration, discovery, and innovation, providing a competitive advantage to their organizations."

SCC attendees will have the opportunity to experience the newly launched SIMULIA Learning Community, which provides online tutorials, technical content, and a question-and-answer area to enable the global community of users to share their expertise and learn how to leverage the latest features and enhancements available in the SIMULIA portfolio. Highlights of the SCC will be posted on the SIMULIA Learning Community during and after the event.

"The integration of SIMULIA's proven, robust realistic simulation technology on the 3DExperience Platform is truly a catalyst for innovation," said Scott Berkey, CEO, SIMULIA, Dassault Systemes. "Researchers, designers, and simulation specialists are able to accelerate collaboration by using the same models and simulation technology to virtually experience the real-world performance of their products. By connecting users in the SIMULIA Learning Community and creating a social dynamic within their ecosystem, we will democratize and drive innovation."

Additionally, experts from SIMULIA will provide demonstrations of the newest products and enhancements to the solutions portfolio, including DesignSight, which provides out-of-the-box capabilities to designers for performing rapid 'what-if' design studies; ExSight, a configurable simulation

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environment for expert users to create and deploy proven simulation methods; Abaqus for linear, nonlinear, and advanced multiphysics simulation; Isight for simulation automation and design exploration; and Simulation Lifecycle Management (SLM) for capturing and deploying approved simulation workflows, managing simulation and test data, collaborating on simulation results, and securing simulation IP.

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Venue "L'Usine" hosts the first French edition of the PTCLive Tech Forum

10 May 2012

PTC announces the opening of the PTC Live Tech Forum near Paris, at L'Usine (opposite the Stade de France stadium). With 300 registrants, this first edition is a chance for CAD, PLM and SLM professionals to discover details of PTC's latest strategy, as well as recent developments in its software range.

The PTCLive Tech Forum is a new type of technological conference that is intended to be more personal and user-friendly. Above all, the PTCLive Tech Forum is tailored to the technical profiles of design departments and industrial businesses.

Marc Diouane, PTC's Executive Vice President of Global Services, will inaugurate this first edition of the PTC Live Tech Forum, alongside Robin Saitz, Senior Vice President of Solutions Marketing & Communications. Together, they will not only unveil certain aspects of PTC's latest strategy, but also the latest solutions available in France - CREO 2.0 and Windchill 10.1.

Participants will then be able to visit the workshops of their choice and attend live software demos, product roadmap presentations, training sessions and hands-on software learning through PTC University. Lastly, Aerolia, a global reference for aerostructures and nose fuselage assemblies, will share its feedback on the deployment of Windchill 10, while Maped, market leader for office instruments and accessories, will talk about its switch to Creo.

In addition, a video studio will be available to record customers' testimonials on PTC solutions and share them as widely as possible.

The PTCLive Tech Forum will then be on the move, heading for Great Britain on May 16, Moscow on May 17, and Milan on June 14, 2012.

Planet PTCLive, the annual users' conference, will come to the US from June 3 - 6, 2012, in Orlando, Florida: PlanetPTC Live.

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Financial News

Agilent Earnings Rise More than 27%

15 May 2012

Agilent [Technologies](#) Inc. reported that its second-quarter GAAP net income was \$255 million or \$0.72 per share, up from \$200 million, or \$0.56 per share in the year ago quarter.

Adjusted net income for the quarter rose to \$275 million, or \$0.78 per share from \$261 million or \$0.74 per share in the same quarter last year. Analysts polled by Thomson Reuters expected the [company](#) to report earnings of \$0.73 per share for the quarter. Analysts' estimates typically exclude special items. Net revenues for the quarter rose to \$1.73 billion from \$1.68 billion in the prior year quarter. Thirteen analysts had consensus revenue estimate of \$1.71 billion for the quarter.

For the third-quarter, revenues are expected to be in the range of \$1.77 billion to \$1.79 billion. Fiscal third-quarter non-GAAP earnings are expected to be in the range of \$0.82 to \$0.84 per share. Analysts expect the company to report earnings of \$0.83 per share on revenues of \$1.76 billion for the third-quarter.

Agilent now expects full fiscal-year 2012 adjusted earnings to be in the range of \$3.18 - \$3.24 per share, and revenue of \$6.94 billion - \$7.00 billion. Previously, the company expected adjusted earnings in a range of \$3.13 to \$3.23 per share and revenues of \$6.92 billion to \$7.02 billion for the full year 2012.

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Agilent Technologies Announces Cash Dividend

16 May 2012

Agilent Technologies Inc. today announced that a quarterly dividend of 10 cents per share of common stock will be paid on July 25 to all shareholders of record as of the close of business on July 3.

Agilent's board of directors approved the initiation of quarterly cash dividends to its shareholders in January. The first quarterly dividend was paid on April 25. The timing and amounts of future dividends are subject to determination and approval by Agilent's board.

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Cimatron Reports Revenues of \$9.9M and Non-GAAP Operating Profit of \$1.1M in Q1 2012

17 May 2012

Cimatron Limited today announced financial results for the first quarter of 2012.

CIMdata PLM Industry Summary

Highlights of Cimatron's results for this period include the following:

Record first quarter non-GAAP operating and net profit of \$1.1M and \$1.0M, respectively

- \$0.11 non-GAAP earnings per share
- 69% year-over-year non-GAAP operating profit increase in Q1 2012
- 17% year-over-year new license revenue growth in Q1 2012, on a constant currency basis
- \$2.4M positive cash flow from operating activities

Concurrently with the announcement of its results, Cimatron today also declared a cash dividend of NIS 0.78 (approximately US\$0.204) per share on outstanding ordinary shares, representing a total dividend payment of approximately \$1.9 million.

The dividend is payable on June 25, 2012 to shareholders of record at the close of business on June 4, 2012.

Commenting on the results, Danny Haran, President and Chief Executive Officer of Cimatron, noted "We are happy to report another strong quarter. As global manufacturing activity continues to expand, we are able to grow our business in all territories and across all product lines. While we remain cautious in light of the recent political developments in Europe, we are happy to see strong business in our key European markets, namely Germany and Italy, as well as in North America and Asia."

"We believe the strong year-over-year growth of license sales reflects our strong competitive position in our target markets, and our ability to translate product innovation into new business. Moreover, we were able to convert the revenue growth into strong cash flow and strong operating profit growth, making this quarter the best-ever Q1 in terms of non-GAAP operating and net profit." concluded Mr. Haran.

To view an unabridged version on this press release, visit:

<http://www.cimatron.com/Group/news.aspx?FolderID=3014&docID=22779&lang=en>

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Infosys Annual Report Available Online for ADS Holders

14 May 2012

Infosys Limited today announced that as was the practice followed in the previous year, it will furnish its Annual Reports to its ADS holders on its website in lieu of physical distribution.

Accordingly, the Annual Report on Form 20-F for the year ended March 31, 2012 filed with the

CIMdata PLM Industry Summary

Securities and Exchange Commission (SEC) on May 03, 2012, together with the Indian Annual Report is available on the Infosys Limited website at www.infosys.com. The financial statements included in the Annual Report on Form 20-F have been prepared in accordance with the International Financial Reporting Standards (IFRS) as issued by International Accounting Standards Board.

Interested ADS holders may request for physical or online copies by writing to 'The Company Secretary' at Infosys' registered office at Electronics City, Hosur Road, Bangalore - 560 100, India or by emailing to investors@infosys.com.

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Mentor Graphics Corporation to Release Fiscal Q1 2013 Financial Results May 25, 2012

16 May 2012

Mentor Graphics Corporation today announced they will release financial results for the company's first fiscal quarter, ended April 30, on Friday, May 25, 2012 at approximately 5:00 am Pacific.

- Live audio webcast at http://www.mentor.com/company/investor_relations Please register at this website prior to the scheduled call time of 5:30 am Pacific.
- Conference call replay: Begins May 25, 2012 (7:30 am Pacific); Ends June 1, 2012 (11:59 pm Pacific). USA 800-475-6701; International 320-365-3844; Access code: 248794

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Rand Worldwide Reports Third Quarter Fiscal Year 2012 Results

15 May 2012

Rand Worldwide, Inc, a global provider of technology solutions to organizations with engineering design and information technology requirements, announces its financial results for the quarter and nine months ended March 31, 2012.

For its third fiscal quarter ended March 31, 2012, Rand Worldwide, Inc. reported total revenues of \$22.4 million as compared with \$27.4 million in the same quarter for the prior fiscal year. The Company's overall gross margin percentage was 50.6%, up from 46.0% and total selling, general and administrative expenses were \$9.1 million, an 8.2% decrease from same period in the prior fiscal year. As a result, the Company reported net income of \$1,639,000, or \$0.03 per fully diluted share, compared to net income of \$2,070,000, or \$0.04 per share, for the same period in the prior year.

For the nine months ended March 31, 2012, revenues totaled \$66.8 million as compared with \$65.9 million in the prior year. Year to date net income was \$3,080,000, or \$0.05 per fully diluted share, a significant improvement over net income of \$1,172,000, or \$0.01 per share, reported for the same period in the prior year.

Lawrence Rychlak, president and chief financial officer at Rand Worldwide commented, "This quarter's results were very positive in terms of our overall gross margin percentages and our net income levels as

CIMdata PLM Industry Summary

they both exceeded our expectations and were the best of the fiscal year." Mr. Rychlak continued, "In the third quarter of last year we realized the largest single sale of software products to one customer which drove our revenues and net income to unusually high levels. This sale, coupled with a shortfall in our desired sales headcount and productivity, made for a difficult revenue comparison from the third fiscal quarter of last year to the current quarter."

Marc Dulude, chief executive officer at Rand Worldwide, added, "We are fully committed to expanding our sales force to increase sales capacity and to provide the training and support to all our sales employees to make them fully productive." Mr. Dulude continued, "I am pleased that we continue to deliver very positive operating results and note that the strength of our business model provides a platform for continued growth and profitability."

Conference call details

Rand Worldwide will hold a conference call to discuss its third quarter results at 11:00 am ET on Tuesday, May 15, 2012. The dial-in numbers for the conference call are 1 (800) 510-0146 (domestic) or 1 (617) 614-3449 (International), and enter the passcode (29981828)). A live, listen-only Webcast of the conference call will be available to all investors in the Investor Relations section of the Company's Web site.

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Implementation Investments

Agilent Technologies' Advanced Design System Selected by ADATA to Speed Product Development

14 May 2012

Agilent Technologies Inc. today announced that ADATA Technology Co., a provider of complete memory solutions in Taipei, Taiwan, has selected Agilent's Advanced Design System (ADS) software for developing memory modules for the high-speed digital market.

Using ADS will help ADATA bring products to market faster and reduce costs. As the speed of data buses goes ever higher, both signal integrity and power integrity become problematic, and traditional development approaches fall short.

"We face tremendous challenges in product development, a prime example of which is our DDR 4 development," said Evan Sheu, senior manager at ADATA. "As defined by JEDEC, this product features 2133-4266 MT/s as compared to the previous 800-2133 MT/s requirement for DDR 3. On top of the increased requirement, our customers wanted us to provide simulation results prior to evaluating actual product. Plus, we now need a design and test platform to help us evaluate multiple components before they go into mass production."

ADS is the industry's leading high-speed, high-frequency electronic design automation software. It solves signal integrity and power integrity challenges using a unique full-wave electromagnetic

CIMdata PLM Industry Summary

simulator, called Momentum, to extract accurate S-parameter models. A channel simulator quickly analyzes and characterizes the signal channel, running millions of data bits in just minutes.

The new ADS release further enhances the software's power-integrity capability for areas such as component optimization for Z-profile/current visualization with component effect/IBIS AMI support. It provides a more complete design flow for high-speed bus/serial link simulation. ADS works with high-speed digital measurement equipment such as the Infiniium 90000 series oscilloscope, J-BERT N4903B high-performance serial BERT and E5071C 20-GHz ENA network analyzer.

"Agilent provides us with a total solution, including software simulation, hardware measurement, and excellent product and technical support," said Hunter Wu, vice president of ADATA's flash storage and marketing group. "With access to this solution, we are able to substantially improve our product development process to achieve excellent product stability and further improve our competitiveness."

"We are very pleased to be working with ADATA on its memory module development," said Tony Chen, Agilent EEsop's business manager in Taiwan. "I have every confidence that our design and test solutions can help ADATA meet its time-to-market requirements and help reduce costs."

ADATA is the world's leading provider of memory modules. For more information, please visit www.adata-group.com.

About ADATA

ADATA Technology Co., Ltd., a Top 20 global brand in Taiwan, provides complete memory solutions, including DRAM modules, USB flash drives, memory cards, solid state drives and portable hard drives. ADATA products are internationally recognized by Germany's iF Design Award, red dot Award, CES Best of Innovations Award, Japan's Good Design Award, Best Choice of Computex Award, and Taiwan Excellence Gold Award. For more information, visit www.adata-group.com.

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AMD Selects Synopsys as a Verification IP Partner

16 May 2012

Synopsys, Inc. today announced a multi-year agreement to provide Advanced Micro Devices, Inc. (AMD) with its next-generation Discovery(TM) Verification IP (VIP). Based on the new VIPER architecture, the recently announced Discovery VIP family provides inherent performance, ease-of-use and extensibility to speed and simplify verification of the most complex system-on-chip (SoC) designs. This agreement covers a variety of VIP titles including USB 3.0, ARM® AMBA® AXI(TM) interconnect, SATA 3.0, PCI Express® Gen 3, and MIPI, as well as Synopsys' Protocol Analyzer, a unique protocol-aware SoC debug environment.

"In our verification environment for Southbridge SoCs and IP cores, we utilize several interfaces, including AXI3(TM) and USB 3.0. After an extensive evaluation, we selected Synopsys' next-generation Discovery VIP for several of our leading SoC designs," said Thomas Bodmer, manager of design engineering at AMD. "With Discovery VIP, we have seen benefits in minimizing our simulation

runs and achieving higher coverage. We have used Synopsys' Protocol Analyzer technology to narrow down protocol violations and debug the root causes."

The growing use of increasingly complex interface protocols makes verification and debug of SoCs one of the most difficult and time-consuming aspects of functional verification. VIP provides functional models that engineers use to test all SoC interfaces before manufacturing, enabling them to verify whether an interface conforms to published specification. Synopsys' Discovery VIP family offers up to four times (4X) higher performance than other commercial VIP, as well as ease-of-use, ease-of-debug, configuration, coverage and test-development capabilities to improve SoC verification productivity.

"The strategic agreement announced today expands and accelerates the successful long-standing verification collaboration between AMD and Synopsys," said Manoj Gandhi, senior vice president and general manager of the Synopsys Verification Group. "With the increasingly critical nature of VIP in SoC verification, we continue to collaborate with AMD to deliver leading VIP technology that helps manage the total cost of verification."

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ANSYS CFD Technology and Simulation Expertise Provided to Wastewater Treatment Facility

16 May 2012

SimuTech recently completed a series of sophisticated analyses of wastewater flow at the Southerly Wastewater Treatment Plant that serves the greater Cleveland, Ohio area. SimuTech was contracted by Burgess & Niple, a civil engineering firm, to help determine the impact and potential improvement of proposed changes to the plant's grit removal system.

SimuTech consulting engineers Michael Showalter and Mark Goodin performed computational fluid dynamic (CFD) simulations using ANSYS CFX® software. The project was comprised of three phases. Showalter said, "The first phase of the CFD analysis for the Southerly project was to model the water flow through the grit tanks under both nominal and peak flow conditions. The objective of this analysis was to determine the water level in the grit tanks for both flow conditions with the proposed new flow baffling. It was very important to ensure that inclusion of the flow baffles did not reduce the maximum water capacity of the tanks."

The second phase involved modeling wastewater flow through a single grit tank with proposed air injection nozzles and flow baffles installed. The CFD model was used to determine the required air flow from the nozzles to reach the desired rotational flow in the grit tank. The simulations also revealed that one of the proposed flow baffles actually impeded the rotational flow and could be removed resulting in a \$70,000 cost savings.

The third phase of the CFD analysis used the air injection conditions determined from phase two and released small and large grit particles into the waste water flow upstream of the grit tank. The CFD simulation tracked the path of these particles as they flowed through the grit tank system and predicted the removal rates of various sized particles. The conclusion was that the predicted removal rates met the design goals.

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As a result of using CFD technology, the Burgess & Niple team realized a \$70,000 savings to the Southerly project. Carl Seifried, P.E. Burgess & Niple Project Manager, noted, “The simulations showed that we could eliminate one of the originally proposed flow baffles. The ability to visualize ‘what-if’ scenarios before constructing and testing the grit tank modifications saved both time and considerable expenses.”

About SimuTech Group

SimuTech Group, Inc. is North America’s largest full-service provider of ANSYS engineering simulation software for finite element analysis (FEA) and computational fluid dynamics (CFD). SimuTech also resells and supports Autodesk® Moldflow® for plastics injection molding, TOSCA Structure for topology, shape and durability optimization, TOSCA Fluid for optimization of internal flows, and fe-safe for fatigue analysis. Headquartered in Rochester, NY, the company has 10 offices in North America. For more information, go to www.SimuTechGroup.com.

About Burgess & Niple

For 100 years, Burgess & Niple (B&N) has led the development of infrastructure in rural and urban regions. The firm’s success is driven by a passion for advancing the built environment with exceptional concern for quality of life, safety, and sustainability.

B&N’s team of in-house professional includes planners, engineers, architects, environmental scientists, geologists, and much more. Its work spans the world and ranges from complex, urban renewal projects to finding potable water for arid, rural villages.

Burgess & Niple currently ranks 138th on Engineering News-Record’s list of Top 500 design firms in the U. S. based on 2011 total billings. Headquartered in Columbus, Ohio, B&N has 20 offices across the nation. For more information, go to www.burgessniple.com

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Autodesk Reports 11 Percent First Quarter Revenue Growth

17 May 2012

Autodesk, Inc. today reported financial results for the first quarter of fiscal year 2013.

First Quarter Fiscal 2013

- Revenue was \$589 million, an increase of 11 percent compared to the first quarter of fiscal 2012.
- GAAP operating margin was 16 percent, compared to 15 percent in the first quarter of fiscal 2012.
- Non-GAAP operating margin was 25 percent, compared to 23 percent in the first quarter of fiscal 2012. A reconciliation of GAAP to non-GAAP results is provided in the accompanying tables.
- GAAP diluted earnings per share were \$0.34, compared to \$0.29 in the first quarter of fiscal 2012.
- Non-GAAP diluted earnings per share were \$0.47, compared to \$0.40 in the first quarter of fiscal 2012.

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- Cash flow from operating activities was \$139 million, compared to \$128 million in the first quarter of fiscal 2012.

“We had a solid start to the year as our overall business continued to deliver double-digit year-over-year revenue growth,” said Carl Bass, Autodesk president and CEO. “We were pleased with the performance of suites as customers are embracing the substantially greater functionality and value that our design and creation suites deliver. Our year-over-year revenue growth was also fueled by strength in Asia Pacific and the Americas, while economic conditions contributed to uneven results in EMEA and emerging countries. Our manufacturing and Architecture, Engineering and Construction (AEC) businesses achieved strong year-over-year results as more and more customers turned to Autodesk to solve their most complex design and engineering challenges.”

First Quarter Operational Overview

EMEA revenue was \$224 million, an increase of 4 percent compared to the first quarter last year as reported and 2 percent on a constant currency basis. Revenue in the Americas was \$208 million, an increase of 14 percent compared to the first quarter last year. Revenue in Asia Pacific was a record \$157 million, an increase of 19 percent compared to the first quarter last year as reported and 13 percent on a constant currency basis. Revenue from emerging economies was \$82 million, an increase of 6 percent compared to the first quarter last year as reported and 6 percent on a constant currency basis. Revenue from emerging economies represented 14 percent of total revenue in the first quarter.

Revenue from the Platform Solutions and Emerging Business segment was \$229 million, an increase of 9 percent compared to the first quarter last year. Revenue from the AEC business segment was \$163 million, an increase of 16 percent compared to the first quarter last year. Revenue from the Manufacturing business segment was \$146 million, an increase of 18 percent compared to the first quarter last year. Revenue from the Media and Entertainment business segment was \$51 million, a decrease of 5 percent compared to the first quarter last year.

Revenue from Flagship products was \$336 million, an increase of 4 percent compared to the first quarter last year. Revenue from Suites was \$166 million, an increase of 34 percent compared to the first quarter last year. Revenue from New and Adjacent products was \$87 million, an increase of 9 percent compared to the first quarter last year.

As our customers migrate from our stand-alone products to Suites, we anticipate that our revenue from Suites will increase as a percentage of total revenue and that our revenue from our Flagship products will similarly decline as a percentage of total revenue.

Deferred revenue at the end of the first quarter was a record high of \$727 million, an increase of 17 percent compared to the first quarter last year and 1 percent sequentially. Shippable backlog was \$6 million, a decrease of \$19 million compared to the first quarter last year and \$21 million sequentially. At the end of the first quarter, channel inventory weeks was at a record low of approximately one week. A decrease in channel inventory and shippable backlog was expected as a result of our transition to increased use of electronic software delivery.

“Our revenue growth and continued focus on cost controls drove strong improvement in our non-GAAP operating margin,” said Mark Hawkins, Autodesk executive vice president, chief financial officer.

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“Revenue growth and operating margin expansion remain key focus areas as we continue towards our long-term goal of growing revenue by a compounded annual growth rate of 12-14 percent (capturing fiscal 2011 through fiscal 2015) and expanding our non-GAAP operating margin to at least 30 percent. During the quarter we accomplished significant changes including a new channel partner framework and a move to an industry focused organizational alignment, among other things, that we believe will better position the company for future growth. These changes, combined with our outstanding products and market position, give us confidence to achieve our long-term goals.”

To view an unabridged version of this press release, visit:

<http://news.autodesk.com/news/autodesk/20120517006364/en/Autodesk-Reports-11-Percent-Quarter-Revenue-Growth>

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Dark Sheet Metal Engineers See the Light with Vero Software

14 May 2012

The choice of two types of software has been a vital aspect in helping engineers develop a production engineering subcontractor’s thriving business during the two years it has been trading in these harsh economic times.

While Dark Sheet Metal Products’ engineers run their entire CAD/CAM operation through the world’s most powerful sheet metal CAD/CAM software Radan, the overall administration of the company is monitored through the multi-purpose management system e2i.

e2i – estimate to invoice – enables Dark to integrate all their activities from initial enquiry, through the production stage, to final delivery and payment. “It’s the only production control software we use,” says Dark’s Technical Director Simon Latham.

He says Radan and e2i, both of which come from the Vero Software stable, have been instrumental in helping the business succeed in so short a time. Dark Sheet Metal Products works for around 50 customers, mainly in the retail sector. Operating out of a 20,000 square foot factory in the West Midlands with 25 employees, they produce in-store racking systems for end-users such as Tesco, Primark and Marks & Spencer; and segregated recycling bins for Spar. They also manufacture a range of cycle lockers, and systems for gas and electric fires in static caravans.

Both of their Amada sheet metal cutting machines are driven by Radan – a 4 kilowatt FO 3015 laser with a feeder tower capable of holding nine tonnes of raw material, and a VIPROS 2510 King punch press. With steel, aluminium, brass and copper accounting for around half of their total annual spend, they rely on Radan’s Project Nester to ensure maximum sheet utilisation. “It’s a tremendous asset for us – we’ve had parts for up to 40 jobs managed through one nest, and because we attach route cards created through e2i to each nest print-out it’s easy for the operator to pick and pack the parts on to separate pallets.”

And Simon Latham says using Radan’s Remnants feature, which nests parts onto offcuts, has reduced metal wastage even further.

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Both he and his engineering manager have used Radan for several years, so it was the only CAD/CAM software he considered when setting the company up. “I’d already decided on Radan before we finalised our arrangements with Amada for the machines. Even on sorting out the punching tools and the order to use them, which is considered to be relatively complicated, Radan is easy to use and self-explanatory.” And another aspect of Radan makes it easy transmitting the NC codes from computer to the laser and punch – Radan DNC. “I’ve actually got two options for the laser; directly to the machine via DNC as it does for the punch, but because the laser’s memory is quite limited, I have to use another method if I need to send code for multiple jobs. I search for the program in Radan as normal, and then download the blocks into a Notepad file on the desktop and drag those into the Amada software which picks up the code created by Radan and feeds it line by line into the machine.”

The company has two full-time Radan programmers, with another two staff who can use it. And he says Radan’s online knowledge base can usually answer queries they have regarding specific applications. “On the rare occasion we haven’t been able to find the answer, we’ve used the online support portal and had a phone call or email solving the issue within hours.”

As a production engineering subcontractor he says they regard their business as selling time on machines rather than selling products – and this is where e2i really comes into its own, giving them a real-time snapshot of the company showing the status of every job, and every aspect of its administration.

“The Shop Floor Data Capture feature is particularly valuable, and will become even more so when we’ve got full bar coding in operation throughout the factory.” The e2i Support Team worked with them to link one bar coding station to the software. “We’re going to integrate three more and then start back-costing to ensure we’re making money where we think we are. Shop Floor Data Capture will record the actual time spent on each operation of a particular job. If we think a job takes ten minutes on a machine, we charge for ten minutes, so if it takes 12 minutes we need to know.”

e2i effectively models Dark Sheet Metal Products’ environment, managing all aspects of their business including purchasing, sales, engineering, administration, production and despatch.

Purchasing: All Dark’s suppliers are on the e2i database, and all the company’s purchasing requirements are managed through it

Accounts, from Goods in to Invoicing: Every delivery is booked in against the Purchase Order to raise the Goods Received Note. The GRN is clipped to the supplier’s delivery note and forwarded to the accounts department. “The invoice is checked against the GRN, and if it matches it’s paid. If it doesn’t match, it is sent to me to see why there is a difference. So e2i is used as an effective catching mechanism to ensure we don’t overpay suppliers,” says Simon Latham

Sales: The customer database is used for contact records and activity logging

Administration: Dark’s estimators draw up quotes manually, based on their extensive knowledge of the industry, but they then input them into e2i to match the orders on the system. “e2i contains full records of every order we’ve received for every part – including quantities and prices”

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Engineering As well as operation libraries, bill of materials and finishing codes are all included. “And we produce a full route card for every job, whether it has just one operation on the shop floor, or a number of operations. Every drawing has its individual spec number which is stored against the part on e2i. We print materials picking lists from e2i, so when we generate the route card we also use the drop-down menu to get the bill of materials and picking list.”

Production: The schedule shows full order descriptions, and, in date order, what quantities are on the order, what quantities are left, prices and due dates. With all order acknowledgements generated in e2i, reports can be broken down by customer, or by specific order. “e2i ensures our whole process from inputting the estimate through to sending the invoice is seamlessly integrated.”

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German Premium Car Manufacturer Opts for CONTACT’s FCM Module “Section Master”

15 May 2012

Following a comprehensive test phase, the BMW Group has decided in favour of CONTACT's Section Master. The software will be used as a CATIA add-on for generating high quality sections – particularly in complete vehicle and car body development. The module is an integral part of CONTACT's Fast Concept Modelling Toolset (FCM) which assists during the concept development phase and the quality assurance process.

The Fast Concept Modelling Suite helps companies develop a functioning, technically sound concept in less time after coming up with the initial product idea, allowing smooth integration into series development. Section information and the sections themselves have particular importance during the product creation process. By choosing the Section Master, BMW is now using a solution that serves as an interface between 3D and 2D packaging.

In contrast to the native CATIA Sketcher, CONTACT's software provides high quality sections that can be edited and manipulated directly, even if the model contains neutral formats such as CGR or STEP. The resulting polygon contours can be used within CATIA in subsequent designs without restrictions. The overall result is that design decisions and the creation and comparison of variants – when designing a vehicle, for example – are sped up significantly and costs are reduced.

"Our solutions have been received very well by Asian OEMs in recent months, and we are very pleased that they also satisfy BMW's high demands," says CONTACT's managing director Karl Heinz Zachries.

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HP Board Declares Regular Dividend

17 May 2012

CIMdata PLM Industry Summary

The HP board of directors has declared a regular cash dividend of 13.2 cents per share on the company's common stock.

The dividend, the third in HP's fiscal year 2012, is payable on July 5, 2012, to stockholders of record as of the close of business on June 13, 2012.

HP has approximately 2 billion shares of common stock outstanding.

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Mentor Graphics Helps eoSemi Solve the Challenge of Silicon Oscillator

14 May 2012

eoSemi and Mentor Graphics today announced that the Pyxis(TM) Custom Design environment, Eldo(R) simulator and Calibre(R) tools have been used in the design and verification of eoSemi's recently-announced ATOC(TM) (Accurate Timing Oscillator Circuit) silicon oscillator products.

ATOC (Accurate Timing Oscillator Circuit) oscillators are all-CMOS silicon replacements for quartz crystals. By saving space, increasing reliability and reducing costs, they allow designers to build consumer electronic products that are more compact, offer more features and deliver superior battery life. In addition, because they are manufactured with standard semiconductor processing technologies, they can in the future be integrated quickly and easily within a larger device or a printed circuit substrate.

"Mentor has supported us from the outset via its Terms for Start-Ups program and its involvement with the European Microelectronics Academy," said Adrian Bratt, eoSemi's vice president of engineering. "Access to world-class design tools is vital for a business taking its first steps, particularly in a specialist area such as analog and mixed-signal design. Our relationship with Mentor has been instrumental in bringing the first wave of ATOC products from engineering to productization."

eoSemi used the Pyxis Custom Design environment, the Eldo SPICE accurate circuit simulator and the Calibre LVS/DRC (layout versus schematic and design rule checking) tools in the design of its first ATOC products, which are currently sampling to qualified customers. The company delivered ATOC significantly ahead of plan, and industry analysts have commented on the speed with which the eoSemi team has developed its products.

"Engineering an all-silicon oscillator is one of the big challenges for mixed-signal designers in standard CMOS," said Robert Hum, vice president and general manager of the Deep Submicron Design at Mentor Graphics. "In fact, semiconductor and system houses have wrestled with the problem for years, without success. We're proud that eoSemi has been able to use the flexibility of the Pyxis Custom Design environment, the speed and accuracy of the Eldo simulator--coupled with fast, hierarchical verification via Calibre--to finally solve such a tough problem."

ATOC includes proprietary techniques to sense and compensate for the effects of temperature and

CIMdata PLM Industry Summary

physical stress within the device. The oscillator's output frequency can be tuned both instantaneously in real-time, and over the lifetime of the device. The first ATOC product is aimed at the \$800M market for 32kHz timing references in consumer products. It draws just 8uA of supply current in active mode, and delivers accuracy down to ± 30 ppm with an operating temperature range of -40 to +85 deg C.

About eoSemi

eoSemi is a world leader in the design and development of all-silicon replacements for quartz crystals. eoSemi's technology is a unique, defendable innovation that uses standard CMOS processes to reduce the physical size and overall system cost of electronic devices. The company is now poised to revolutionise this market by becoming the leading provider of miniature, silicon-only references and derivative products in a wide variety of applications. eoSemi was founded in 2005 by four experienced semiconductor professionals and is supported by leading equity investment partners. More information can be found at <http://www.eosemi.com>.

About EMAnetworks

EMAnetworks is helping large enterprises into uncontested, breakthrough markets where the barriers are underpinned by microelectronics. Its leadership team has previously created \$20 billion of new shareholder value by incorporating and leading new companies that are now listed on NASDAQ, NYSE and the LSE. www.emanetworks.com

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Netronome Reaps Significant Power, Performance and Area Benefits With Cadence Encounter Digital Technology

14 May 2012

Cadence Design Systems, Inc. announced today that Netronome, the leading developer of intelligent network flow processors (NFP), gained a significant performance advantage on its low-power "green" SoCs by using the Cadence(R) Encounter(R) RTL-to-GDSII flow. In addition to increased chip performance, Netronome engineers using the latest Encounter 11.1 technology achieved a 29% reduction in power consumption, smaller design area and faster overall time to market compared to their former flow, for SoCs targeting the secure virtualized cloud and data center markets.

The Cadence Encounter RTL-to-GDSII flow -- including RTL Compiler, the Encounter Digital Implementation System, and Encounter Test -- helps design teams optimize power, performance, and area for the world's most advanced high-performance, low-power SoC designs.

Netronome's OEM customers have tremendous constraints on power budgets, which required the company to optimize its high-performance 40Gbps NFPs for low-power consumption for use in their customers' switches, routers, load balancers and cyber-security platforms. Netronome engineers were tasked with improving chip power efficiencies across multi-mode, multi-corner and on-chip variation

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scenarios. Implementing robust clock trees that consume less dynamic switching and static leakage power without compromising on performance was difficult under such extreme requirements. Furthermore, as chip power consumption increases, it costs more to design, fabricate, operate and cool devices and systems.

"Using the complete Cadence Encounter RTL-to-GDSII flow, we were able to tape out a complex 1.4 GHz 40-core micro-engine-based Network Flow Processor on schedule, achieving a 29 percent power savings and 10 percent improvement in timing," said Jim Finnegan, senior vice president, Silicon Engineering at Netronome. "We were particularly impressed with the newly integrated Clock Concurrent Optimization (CCOpt) technology in the Encounter flow and its unique ability to optimize clocks and data-path simultaneously allowing us to eliminate several manual design steps and achieve superior performance, power and area results on our design. This gives us a competitive advantage in our end market."

Clocks are the backbone of all digital chips, and a fundamentally different approach to clock construction and optimization was needed. Traditional clock tree synthesis (CTS) tools and methodologies -- which are based on minimizing skew and are isolated from logic/physical optimization -- are insufficient for advanced node, high-performance designs due to the growing gap between pre- and post-CTS design timing. CCOpt technology bridges the gap by re-focusing CTS directly on timing - not skew minimization -- and combining this timing-driven CTS with concurrent logic/physical optimization.

"Network Flow processing chips are tough to design. They're big, they're fast, and they have to minimize power consumption. It is conditions like these where the Encounter RTL-to-GDSII flow really shines," said Chi-Ping Hsu, senior vice president, Silicon Realization Group at Cadence. "We applaud Netronome's success and are pleased to see another customer experiencing first-hand the outstanding power, performance, area and time-to-market advantages in Encounter and our breakthrough CCOpt technology."

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PROJECTUS Makes Strategic Investment in AVEVA Plant

15 May 2012

AVEVA announced today that PROJECTUS Consultoria LTDA., a Brazilian Engineering company, has significantly invested in AVEVA Plant to implement an Integrated Engineering & Design approach for major capital project execution. PROJECTUS has extended the use of AVEVA PDMS, with the addition of AVEVA OpenSteel and AVEVA Global to meet quality, reliability and productivity targets in response to increasing volume and complexity of client projects.

"We have now significantly expanded our use of the AVEVA Plant portfolio to take advantage of multi-site collaborative working and fast, error-free communication of steelwork information", said Gustavo Dessotti Pinto, PDMS Administrator, PROJECTUS. "Due to AVEVA's flexible open software approach we have also been able to customize a number of in-house programs. These include automatic

CIMdata PLM Industry Summary

support attachments and clash detection. AVEVA OpenSteel alone has reduced the modelling time of steel structures from 1 week to 15-30 minutes.”

Two of PROJECTUS’ customers have also commented on its use of AVEVA software.

Wagner Pereira Pinto of GALVÃO Engenharia, a company that is constructing the Unities o Gasolin and Diesel Hydrotreatment for Petrobras Paulinia Refinery, comments, “PROJECTUS is already experiencing the benefits that AVEVA PDMS brings such as improved design efficiency and working with the most up-to-date 3D graphics, to deliver ‘right first time design’. We fully endorse its use of PDMS.”

Simão Tuma of Petrobras adds, “AVEVA’s products enable an Integrated Engineering & Design approach, allowing flexible and effective 3D design and collaborative working across major projects. This helps to create and maintain consistent designs throughout the project lifecycle. We support its choice.”

“PROJECTUS already has valuable experience using AVEVA PDMS and has achieved very direct project benefits”, added Santiago Pena, Senior Vice President - Latin America, AVEVA. “AVEVA solutions interfacing with PROJECTUS’ own software for document management, electrical and instrumentation materials and piping, has resulted in a reduction of project man hours, improved on-time delivery and higher quality standards. AVEVA received a strong endorsement from PROJECTUS when it shared recent project experience with peers during a presentation at the 2011 AVEVA World Summit in Rio de Janeiro.”

PROJECTUS first implemented AVEVA PDMS in 2005 as its primary 3D engineering design tool. At that time, it was a minimum requirement to participate in client projects in order to supply complete 3D models.

AVEVA software was recently used on the 9.5 km long COMPERJ PIPERACK project for Petrobras which was split into 270 modules and completed in only 15 months, involving 8.000 ton. pipes and 30.000 ton of steel structures. All piping, support and metallic structure were modelled with AVEVA PDMS, AVEVA OpenSteel and AVEVA Global.

All AVEVA Plant 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.

PROJECTUS Consultoria LTDA. is located in São Paulo/SP, Rio de Janeiro/RJ and Esteio/RS, Brazil with over 800 employees in the Oil & Gas and Petrochemical industries.

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Spontech Spine Intelligence AG Selects Aras for Global PLM Platform

16 May 2012

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Aras® today announced that Spontech Spine Intelligence AG, a class 3 medical device company specializing in spine surgery and located Stuttgart, Germany, has selected Aras as its global PLM platform. Spontech will implement Aras solutions for Quality, Regulation, Compliance and Risk Assessment, as well as Document and CAD File Management, Design Project Management, Electronic Design History File (DHF) and Device Master Record (DMR), Workflow-Driven CAPA and Non-Conformance Management, and more.

Spontech takes a fundamentally new, systemic approach in spine surgery. Combining clinical knowledge, supporting software, innovative implants and instruments, and collaboration with the scientific community, Spontech strives to restore the individual spine geometry, maintaining the individual joint function of the human vertebral column. The company's goal is to enable maximum mobility and pain-free motion for people with spinal conditions and diseases, prevent adjacent segment degeneration and improve quality of life long-term. For more information please visit <http://www.spontech-spine.com>.

Spontech selected Aras for its web-based open, flexible architecture. The company is leveraging several Aras Community Solutions and looks forward to advancing those solutions and contributing back to the Aras Community. Spontech's implementation also includes integration with ERP, Pro/ENGINEER, MS Office / Outlook and the Global Supply Chain.

"With Aras, Spontech is moving from ad-hoc Excel- and Access-based systems to a highly secure, structured environment. Not only will Spontech see dramatic improvements quality, control and visibility over information and processes, they will gain traceability and trackability which are absolutely critical capabilities for class 3 medical device companies," said Peter Schroer, President of Aras.

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ThyssenKrupp Elevator Americas Partners with aPriori, Inc.

16 May 2012

aPriori, a provider of product cost management software solutions, today announced that ThyssenKrupp Elevator, one of the world's leading elevator companies has deployed its software platform to effectively attack product costs earlier in the product lifecycle. The software platform is currently being used by the company's engineering, manufacturing and procurement teams at its Middleton, TN plant. aPriori enables company personnel to follow products and manage costs from initial design through implementation in its plants.

"aPriori takes the ambiguity out of what a new design might cost, ensures consistency in the cost estimating process and enables engineers to evaluate one design over another in real time," said Patrick Bass, senior vice president of engineering for ThyssenKrupp Elevator. "This accelerates our development process and ensures ThyssenKrupp Elevator Americas goes to market with products that are optimized from the start. That translates to more satisfied customers and a better bottom line."

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Since deploying aPriori, ThyssenKrupp Elevator Americas has seen many direct benefits to its product development process and its overall business. The mechanical engineering team is able to evaluate three times as many design alternatives than before deploying aPriori. This enables increased product innovation. It used to take design engineers approximately one week to get a ballpark quote back from the manufacturing team. Now, with aPriori, the designers can create a highly detailed cost estimate in aPriori within hours. And, they can make a change to that design and understand the cost implications with one click.

aPriori is also being used by the manufacturing group at the Middleton plant to help find the most efficient routings for a given part or product and accelerating time to market as a result. aPriori can model any manufacturing facility and take into account the unique capabilities it may have. It is also a very flexible system that has been configured to give engineers complete control over the costing process -- so they can easily change routings as needed based on machine availability, maintenance schedules, etc. and quickly get a new cost estimate.

The Procurement team at ThyssenKrupp Elevator Americas is also benefiting with aPriori. When team members are sending projects out for bid, they now have a cost standard to compare any quote against. This enables them to do fact-based negotiation with their suppliers and collaborate more effectively to bring costs to the forefront of the discussion and ensure they are fully optimizing costs on any particular part or product.

"For the engineering guys in the trenches, aPriori provides the tools they need to be efficient and effective and they can grow with the system," says Stephanie Feraday, president and CEO of aPriori. "As ThyssenKrupp Elevator's engineers use the system, they are learning to design for cost-effectiveness from the outset -- further accelerating design cycles and increasing efficiency. The system is building cost proficiency as a core competency for the company."

About ThyssenKrupp Elevator

The Elevator Technology business area brings together the ThyssenKrupp Group's global activities in passenger transportation systems. With more than 46,000 employees, sales of 5.3 billion Euros in fiscal 2010/2011 and customers in 150 countries, ThyssenKrupp Elevator is one of the world's leading elevator companies. Its portfolio includes passenger and freight elevators, escalators and moving walks, passenger boarding bridges, stair and platform lifts as well as tailored service solutions for all products. 900 locations around the world provide an extensive sales and service network to guarantee closeness to customers.

ThyssenKrupp Elevator Americas is the largest producer of elevators in the Americas, with more than 13,500 employees, more than 200 branch and service locations, and sales of more than \$2.7 billion. ThyssenKrupp Elevator Americas oversees all business for the operations in the United States, Canada, Central and South America. It is a subsidiary of ThyssenKrupp Elevator AG.

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Product News

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Acme Brick Company Introduces Brick Industry's First BIM Compliant Software for Architects

15 May 2012

Acme Brick is again leading the brick industry with the introduction of a software tool for architects that delivers BIM (Building Information Modeling) data directly to an Autodesk® Revit® project.

Acme BIM Online builds on two existing visualization tools hosted at Acme's website, brick.com: Masonry Designer and Design Online. Like these two products, AcmeBIM Online allows users to select brick from a visual catalog, by name or by color family. After making a selection, users can preview brick as a simulated panel or building elevation – with the option of changing mortar colors.

BIM-compliant technical data is available for every brick in the AcmeBIM Online database. Compiled in 36 different categories, BIM data can be imported directly into a Revit project using the plug-in version. Users of the AcmeBIM Online's Web version can download BIM data as a standard text file in .CSV format.

Links to three-part specifications are also included in both versions of AcmeBIM Online. To launch the Web version of AcmeBIM Online, please visit: <http://brick.com/acmebimonline>

Acme Brick Company, the largest U.S. brick company, is a member of the Berkshire Hathaway family of companies headed by Warren Buffett. The company celebrated its 120th birthday on April 17, 2011.

For more information contact your local Acme Brick representative or Acme Brick distributor. Contact information can be found at <http://www.brick.com> or phone 1-800-792-1234.

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Altair Introduces HyperWorks Computer-Aided Engineering Suite for Mac OS X

16 May 2012

Altair Engineering, Inc. today released the first version of its HyperWorks computer-aided engineering software suite that is designed to run on Mac OS X. The Mac version offers the same high-performance CAE capabilities and intuitive user interface as the original Windows and Linux versions of HyperWorks, but it enables users to capitalize on the Mac's advanced memory management system, robust platform and fast, Unix-based operating system.

While Windows-based systems have some tools available that can mimic a Unix-like environment, they often come with limitations to their capabilities, especially when working with large files. HyperWorks for Mac offers more flexibility to users, who now can use their platform of choice – whether Windows, Linux or Mac OS X – for their CAE analysis. Moreover, it opens the world of CAE to a broader range of industries and professions that traditionally work with Mac systems.

"With this platform, we extend the availability of HyperWorks to designers and other creative

CIMdata PLM Industry Summary

professionals," noted Paolo Sansalvadore, senior vice president of modeling and visualization, "people who don't primarily crunch numbers but who interact with the software to visualize their creations and can benefit from the HyperWorks user experience. Altair's concept and industrial design products, solidThinking Evolve and Inspire, are already available on both Windows and Mac OS X."

Scientists comprise another important user group that will be able to take advantage of HyperWorks running on the Mac, since much of their work is designed and executed on Mac computers. Last but not least, the new software version also makes CAE more accessible to a broader range of computer-aided design professionals conceiving products largely on Mac systems.

"Much of my work deals with being able to transform data from very large files into formats that allow further specialized analysis and visualization and having the capability to use the Mac OS operating system allows me to get my work done on one machine without having to deal with compatibility, transfer media issues, etc.," said Mary Leibolt, a structural acoustics analyst at the Naval Warfare Center, Carderock Division. "This is especially important for classified work, where data transfer between machines is cumbersome at best. It would be a great advantage to be able to create models on the same machine that I do most of my work – especially for classified applications as data transfer between machines in a secure environment can become quite complicated."

The extension of HyperWorks to the Mac OS is part of the evolution of Altair software to new devices and platforms. A cloud-based software-as-a-service, HyperWorks On-Demand, is now available through a modern service oriented architecture web-app for running, monitoring and managing simulation workloads and results (Altair Compute Manager). Altair will also offer enhanced mobility through several iOS apps currently under development.

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ASD Global Announces Interoperability with Intergraph SmartPlant 3D

15 May 2012

ASD Global (ASD) has release an interface with Intergraph SmartPlant 3D (SP3D) for converting ASD OptiPlant and Pipe Router models to intelligent SP3D objects. This interface adds to the interoperability ASD already provides for Intergraph PDS, AVEVA PDMS and Bentley AutoPLANT, further strengthening its position as the only truly platform independent vendor of knowledge based automation engineering and design solutions for front end engineering and design (FEED).

The development is in direct response to requests from our global Oil & Gas clients who use ASD OptiPlant and Pipe Router for FEL and FEED design and would then like the option to move their data forward into any Detail Design system of choice. Interoperability brings several benefits starting with the ability to re-use the baseline FEED models as a jumpstart to detail engineering and leveraging data to compress schedules and reduce costs.

ASD's interface generates an XML file that is imported into your SmartPlant 3D project resulting in data conversion that is complete, accurate and specification driven. The file, which is read by the PDS Translator Module, contains 3D geometry, attributes and process data for piping, equipment and

CIMdata PLM Industry Summary

structures. The XML output also follows the ISO 15926 data model and structure and is one of the first implementations of 3D geometry exchange.

- OptiPlant Configurator: A standalone product that combines conceptual 3D Equipment and Structures Modeling with Automated Pipe Routing to deliver rapid Plot-Plan Development & Optimization and Accurate MTO Generation. All the data created in OptiPlant can be transported to Bentley AutoPLANT, Intergraph PDS and SmartPlant 3D and AVEVA PDMS or any other detail design system you may prefer.
- ASD Pipe Router: An add-on application for PDMS or MicroStation that allows you to Automate/Batch interference free 3D Pipe Routing around existing PDMS or PDS Equipment, Pipe Racks and Structures. Pipe Router is available for Bentley MicroStation versions 8 and J; and AVEVA PDMS version 11.x and 12.

About ASD

Advanced Software Design Inc. (ASD) is an established leader providing Knowledge based engineering software and industry focused business solutions. By applying in-house software developments combined with extensive domain knowledge we help clients in the Energy and Government sectors, to optimize their critical work process and significantly improve their efficiency and profitability. ASD has dedicated the past 25 years to transforming advanced state-of-the art technology into powerful application solutions for the global Process, Power, and Offshore Industry, and for the STATE and FEDERAL Government including many Fortune 500 commercial enterprises.

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ArchiCAD 16 Debuts at AIA 2012 National

16 May 2012

GRAPHISOFT introduces ArchiCAD® 16, the latest version of its premium BIM software, at booth #2209 at the AIA 2012 National Convention and Design Exposition in Washington DC, May 17-19, at the Walter E. Washington Convention Center.

Architects are invited to join GRAPHISOFT for software demonstrations that will focus on design freedom, accessibility to BIM components and sustainable design, which make ArchiCAD 16 the best architectural modeling tool available today.

Top design and technical experts will be on hand to explain how GRAPHISOFT's array of software solutions helps firms adapt to the evolving world of Building Information Modeling. Monte Chapin, GRAPHISOFT Business Process Leader, North America and Yanni Alexakis, CSI, Int'l Association AIA, GRAPHISOFT Product Manager, will discuss how the OPEN BIM movement meets industry's demands for interoperability and interdisciplinary collaboration. The upgraded BIM Server(TM), Cloud-integrated model sharing, and support for the IFC 2x3 Coordination View Version 2.0 for facilitating Open BIM will be on display as well.

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Demonstrations of the new MORPH(TM) tool, found in ArchiCAD 16, will show how it enables the creation of freeform elements directly in ArchiCAD. Since MORPH has no geometric limitations: every node, edge and every surface can be moved and shaped in any direction.

Visitors to the GRAPHISOFT booth will also see the latest enhancements to the revolutionary presentation and communication tool, BIMx for ArchiCAD 16. BIMx provides a dynamic way to share architectural designs on a mobile device or tablet. Now, with ArchiCAD 16, cloud-integrated model sharing service is available for BIMx users. Attendees will be provided 3D glasses to enhance their experience as they explore designs through BIMx in a 3D environment that supports real-time 3D navigation using familiar navigation techniques.

GRAPHISOFT will also demonstrate important workflow and productivity updates to its growing portfolio of solutions. From 11.00 AM-2.00 PM on May 17th and 18th, the new e-SPECS Specification Management product suite integration with ArchiCAD will be featured.

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Autodesk Developer Network Launches New Applications for Autodesk 2013 Software

16 May 2012

Autodesk, Inc. announced that several Autodesk Developer Network (ADN) members have released new applications to support Autodesk 2013 3D design, engineering and entertainment software.

“ADN partners are a vital part of helping Autodesk customers to be leaders in their industries”

The specialized applications created by ADN members help to further enhance Autodesk Design and Creation suites workflows for building, entertainment, engineering, construction, infrastructure, product, plant and factory design. ADN partner applications address a broad range of specialized design needs across numerous industries, many of which can be found on the new Autodesk Exchange Apps Store. Applications created by ADN members can also be accessed within Autodesk products, helping maintain a smooth workflow experience for users.

“ADN partners are a vital part of helping Autodesk customers to be leaders in their industries,” said Jim Quanci, director of the Autodesk Developer Network. "Compatible applications from our ADN partners allow Autodesk customers to maximize productivity and efficiency."

ADN members have released application products for Autodesk 2013 products that are included in a range of Autodesk design and creation suites including Autodesk 3ds Max, AutoCAD, AutoCAD Civil 3D, Autodesk Inventor, Autodesk Maya and Autodesk Revit. New partner applications include:

3ds Max

- [Chaos Software Ltd](#)
- [cebas Visual Technology Inc.](#)

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- [Sitni Sati d.o.o.](#)
- [Orbaz Technologies, Inc.](#)
- [Di-O-Matic Inc](#)
- [P SOFTHOUSE Co., Ltd.](#)
- [Unity 3D](#)
- [Gamebryo](#)
- [Thinkbox Software](#)
- [Caustic](#)
- [Mankua](#)
- [Mixamo](#)

AutoCAD

- [ShipConstructor](#)
- [HydraTEC](#)
- [Striker Systems](#)
- [Transoft](#)
- [Dotsoft](#)
- [JTB World](#)
- [kubit](#)
- [KUBOTA Corporation](#)
- [AddSekkei Inc.](#)
- [Crea Co., Ltd](#)
- [Tangent](#)
- [THSWARE](#)

AutoCAD Civil 3D

- [CGS](#)
- [Eagle Point](#)
- [RDV](#)
- [CAD Master](#)
- [Transoft Solutions](#)
- [Delauney](#)
- [Savoy Computing Services Ltd.](#)

Autodesk Inventor

- [Gibbs and Associates](#)
- [SolidCAM Ltd](#)
- [Planit Software Ltd](#)
- [OPEN MIND Technologies AG](#)
- [SPI GmbH](#)
- [AutoForm Engineering](#)
- [VEST, Inc.](#)
- [CIDEON Software GmbH](#)

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Autodesk Maya

- [Solidangle SL](#)
- [Pixar Animation Studios](#)
- [Chaos Software Ltd](#)
- [Joe Alter, Inc](#)
- [Pixelux Entertainment SA](#)
- [Di-O-Matic Inc](#)
- [Takomat](#)
- [NVidia Corporation](#)
- [E-Onsoftware](#)

Autodesk Revit

- [Trelligence](#)
- [Struc-Soft](#)
- [Epcot Software Inc.](#)
- [SOFiSTiK AG](#)
- [hsbSOFT NV](#)
- [Eagle Point](#)
- [Adapt](#)
- [BuildEdge \(Keymark\)](#)
- [OFCDesk](#)
- [Hongye](#)
- [Ideate](#)

For more information or to purchase 2013 applications, visit the [Autodesk Developer Center](#) or [The Autodesk Exchange Apps store](#).

Bentley and Trelligence Announce Integration of AECOSim Building Designer and Affinity

18 May 2012

Bentley Systems, Incorporated and Trelligence, Inc. announced an integration between their respective software products to provide end-to-end building lifecycle support. Bentley is the leading company dedicated to providing comprehensive software solutions for sustaining infrastructure. Bentley's AECOSim Building Designer is a single, integrated application that includes tools for architectural, structural, mechanical systems, and electrical design and construction documentation. Trelligence is the creator of Trelligence Affinity™, the industry-leading architectural programming, early design, and data aggregation tool.

The integration between Affinity and AECOSim Building Designer makes the program and early design models created in Affinity available to the users of AECOSim Building Designer. Members of the project team can easily move an Affinity program into AECOSim Building Designer where it can be used to guide design development. Alternatively, designers can develop the building schematic design model in Affinity and then move it to AECOSim Building Designer for detailed design. The

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combination of AECOSim Building Designer and Affinity provides a robust set of tools that yield improvements in quality and reductions in cost throughout the building lifecycle.

“Users of Trelligence and Bentley software together now can fully leverage programming and space planning information in their information modelling and design development work,” said Huw Roberts, Bentley Systems Vice President, Core Marketing. “With this integration, Affinity’s program data and conceptual design model can be pulled into AECOSim Building Designer for use in design development. Architects can use the program information to help guide their design work, and no information is lost as designers move from one step in the process to the next. This information mobility prevents wasteful rework and ensures a better end design.”

“Integrating Affinity to the AECOSim suite means that users have a unified set of tools to take them from the initial development of the building program all the way through design development and into facilities management,” said Larry Ciscon, Trelligence President. “The data intelligence captured with Affinity is now available as architects and engineers use the full set of AECOSim tools to move the building design to completion. This combination is a robust implementation of the end-to-end BIM process, which users are always seeking.”

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Bentley Introduces Shared ‘OpenRoads’ Information Modeling Functionality in InRoads, GEOPAK, and MXROAD V8i (SELECTseries 3)

16 May 2012

Bentley Systems, Incorporated, today introduced, at this gathering of infrastructure professionals from around the world, the shared OpenRoads information modeling functionality in its InRoads, GEOPAK, and MXROAD V8i (SELECTseries 3) products for roadway design. The common code foundation across them represents the final stages in the evolutionary convergence of functional innovations among all three products – an evolution that began with the introduction of Roadway Designer. Users of any or all of these products can now benefit from shared innovations that increase the potential of information modeling in road design, construction, and operations. The new functionality advances what’s possible in civil design through immersive modeling, design-time visualization, design intent capture and persistence, hypermodeling, information mobility, and construction-driven engineering. Moreover, because Bentley has conscientiously incorporated these capabilities within each of the existing product lines to preserve user equity in standards, deliverables, and legacy data, all civil users are now enabled to advance rapidly.

“The project-related benefits of model-based design and construction accrue directly to owners and are compelling.”

Bentley Systems CEO Greg Bentley said, “We have carefully enabled the users of InRoads, GEOPAK, and/or MXROAD to adopt and benefit from OpenRoads information modeling in a continuous and nondisruptive manner. This powerful new functionality is here in the SELECTseries 3 releases of these

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products, and all users will gain by previewing them and upgrading as soon as possible.”

The just-released McGraw-Hill Construction SmartMarket Report “The Business Value of BIM for Infrastructure” emphasizes the strong potential of information modeling for roadway and bridge infrastructure. According to the report, the percentage of firms expected to reach information modeling usage for the majority of their work on these projects will rise to 56 percent in 2013 (from 20 percent in 2009 and 35 percent in 2011). A key reason for this increasing uptake, states the report, is that “The project-related benefits of model-based design and construction accrue directly to owners and are compelling.” To accelerate these gains, delegates from more than 30 transportation agencies are attending Bentley’s Be Together conference this week to hear about the latest advances in information modeling. For consulting firms doing work for multiple departments of transportation, the OpenRoads common functionality is just as compelling because it will enable them to maximize return on talent through work sharing to the best needs of all clients.

Commenting on the benefits of information modeling, Steve Meyer, information technology specialist, Engineering Applications, Iowa Department of Transportation, said, “We have been using Corridor Modeler (Roadway Designer) for a number of years. 3D design has improved our ability to produce more accurate plans with less field changes because we can look at our design and find problem areas before they are constructed. With SELECTseries 3 using intelligent elements that can update on the fly, we see huge advantages. Intelligent elements will allow us to establish an interrelational design that maintains our design intent while giving us the ability to make changes that are immediately apparent, both visually and geometrically.”

Immersive Modeling and Design-Time Visualization

The OpenRoads immersive modeling functionality provides design-time visualization, giving engineers and designers the ability to view their designs interactively as rendered on-demand models in the design software environment – enabling government agencies, consultants, and operators to make better design, construction, operations, and maintenance decisions. Immersive modeling is supported by the software’s ability to capture and persist design. It does this by self-documenting design decisions and changes, and then reacting to and anticipating such changes as they relate to design intent. As a result, the engineer or designer is always in control of the design process and no changes or relationships are ever “hidden.”

Hypermodeling

Hypermodels present information directly within the 3D context, which serves as a “spatial index” for immersive interaction with content of any type, including 2D drawings, raster images, photos and videos, point clouds, scalable terrain models, hyperlinks, survey data, and design data. The OpenRoads hypermodeling functionality uniquely enables civil design information to remain continuously vital throughout the lifecycle of construction and operations, as a critical success factor for design-build and especially public-private partnership (P3) projects.

Information Mobility

The information mobility facilitated by OpenRoads shares architectural, engineering, construction,

CIMdata PLM Industry Summary

operations (AECO), and geospatial information across the infrastructure lifecycle and project disciplines. Users and work processes can readily exchange information in the appropriate format with the required level of precision.

OpenRoads provides this functionality through its support of i-models (containers for open infrastructure information exchange that maintain the provenance of their content), allowing teams to analyze projects virtually, for instance to detect and resolve clashes and simulate project schedules. Users can augment data by registering comments in i-models and can produce 2D and 3D PDFs for consumption by a wider audience. OpenRoads and i-models make information modeling pay off through “hands-on” reuse in field construction and asset management, instead of truncating benefits at “hand-off” and “hand-over”.

Construction-Driven Engineering

Construction-driven engineering is an objective, driven by project economics, that is facilitated by OpenRoads functionality. With information-rich 3D modeling, design-time visualization, and information mobility secured by ProjectWise, engineers and constructors can stay in sync, assuring that design models become and remain sufficiently complete, and that quantities are always accurate. OpenRoads functionality accordingly supports machine-guided construction and virtual inspection.

Ron Gant, Bentley global marketing director, said, “Construction-driven engineering is vital for P3 projects – to make the ‘hand-off’ between design and build, and ‘hand-over’ to operations ‘hands-on,’ reducing project risk and maximizing return. The OpenRoads common foundation in our SELECTseries 3 roadway products facilitates this information mobility that design/build civil projects demand.”

OpenRoads Functionality Available in Technology Previews

At the Be Together conference this week, Bentley is inviting the hundreds of delegates from transportation agencies and their consultants to participate in test drives of OpenRoads functionality in workshops, and (with all Bentley SELECT subscribers) in technology preview implementations within their respective organizations upon returning home. For details, go to Bentley Civil V8i (SELECTseries 3) technology preview at www.bentley.com/Beta.

For additional information about Bentley’s V8i (SELECTseries 3) products for roadway design – featuring OpenRoads functionality – visit <http://www.bentley.com/Civil>.

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COMSOL Multiphysics Version 4.3 Now Available

17 May 2012

Today COMSOL announces the 4.3 release of COMSOL Multiphysics, its software environment for modeling and simulating any physics-based system. COMSOL Multiphysics 4.3 empowers engineers,

CIMdata PLM Industry Summary

researchers, and scientists with powerful new modeling tools and fast simulations that further establish COMSOL as a leading innovator in simulation for electrical, mechanical, fluid flow, and chemical applications. New capabilities introduced in version 4.3 include three new discipline-specific add-on modules, fast and powerful meshing, a new “Double Dogleg” solver for mechanical contact and highly nonlinear simulations, and numerous user-inspired enhancements. COMSOL Multiphysics 4.3 is available immediately from COMSOL sales offices worldwide.

Enhancements and upgraded functionality span the entire COMSOL product suite. With the debut of three new discipline-specific add-on modules – the Nonlinear Structural Materials Module, the Pipe Flow Module, and the Corrosion Module – COMSOL now offers 30 products for the simulation of multiphysics phenomena. The newest modules expand the COMSOL Multiphysics simulation platform with all-new user interfaces that help users solve the unique design challenges in each of these areas accurately and efficiently.

Highlights of Version 4.3

- Nonlinear Structural Materials Module
- Pipe Flow Module
- Corrosion Module
- Mesh and geometry
 - Create new boundaries and domains for imported meshes
 - Fast meshing for imported CAD files and the LiveLink products for CAD
 - Export geometry, mesh, and deformed mesh to the STL file format
 - Extrude and revolve directly from 3D surfaces
- Studies and solvers
 - New user interface for parametric sweeps with multiple parameters
 - New Cluster Sweep and Batch Sweep
 - New “double dog-leg” solver for mechanical contact and other highly nonlinear simulations
- Results and visualization
 - Microsoft Word file format option for the report generator
 - Fast 3D and 2D far-field plots for RF and acoustics applications
 - Comet tail plots for particle tracing
- Desktop functionality
 - Control storage of solutions in memory and number of processor cores used directly from the Preferences window
 - Sort Physics settings based on space dimension
- AC/DC Module
 - 3D rotating machinery

- Automatic coil excitation for 3D coils
- Electromagnetics in porous media for the AC/DC and RF Modules
- Turbulent mixing in the CFD Module
- Automatic computation of solar irradiation in the Heat Transfer Module
- Particle-particle interaction in the Particle Tracing Module
- Piezoresistive materials in the MEMS Module
- Time-dependent optimization in the Optimization Module
- For detailed information on COMSOL Multiphysics version 4.3 please visit www.comsol.com/4.3

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CoreTech System Announces Moldex3D eDesignSYNC R11.0

16 May 2012

CoreTech System Co., Ltd. (Moldex3D) today announced Moldex3D eDesignSYNC R11.0, the latest release of quick design verification and optimization tools embedded in mainstream 3D digital design software, including Creo, NX, and SolidWorks. Moldex3D eDesignSYNC provides industrial designers with easy-to-use, multi-functional, and cost-effective solutions that enable synchronize design changes and evaluate manufacturability directly in their familiar design environments. Designers are able to predict and avoid potential molding defects in the earliest phase of the plastic injection molding process.

CAE simulation solutions have been conventionally considered to assist mold makers to discover the optimal process conditions more efficiently. However, scenarios usually occur where design revisions are ultimately required to solve molding defects much more effectively than spending time and costs on process condition optimization. “The integration between design and simulation brings a high-performance design platform that allows designers to examine and optimize part and mold designs seamlessly. It will enhance product quality and reduce the costs of building common communication knowledge through each phase of the design-to-manufacturing process,” said Dr. Venny Yang, President of CoreTech System.

Building upon the capabilities of past releases and adding innovation, Moldex3D eDesignSYNC R11.0 offers the following features and benefits:

Pioneering CAD Interface Integration

Moldex3D eDesignSYNC R11.0 has integrated with the most newly-developed releases of 3D digital design software, including Creo 2.0, NX 8, and SolidWorks 2012. This support will provide designers with real-time professional simulation capabilities and results, which leads users to identify and solve potential molding problems accurately and efficiently.

Flexible Feeding and Cooling Creation Tools

Designers can use native CAD tools to draw lines and set attributes as runners or coolant channels. It is more flexible and simple for users to design complicated feeding and cooling systems depending on their needs. Moldex3D eDesignSYNC R11.0 supports heating rod designs and enhances user friendliness in cooling design management. Designers now can separate coolant channels into several groups and specify inlets or outlets, and they can even setup advanced properties, such as flow rate or temperature.

Mesh Layer Assurance

When designers select this new function in Moldex3D analysis settings, the meshing kernel will automatically check and guarantee enough number of mesh layers around critical regions of a model. It will improve mesh resolution, which helps users acquire more accurate simulation results.

Sharing Results Across Departments

Moldex3D eDesignSYNC R11.0 allows designers to generate analysis reports in HTML or PowerPoint format. Designers can easily share their ideal designs and performance with executives, suppliers, and customers. It also helps build better communication channels between designers and mold makers, which will reduce the costs of repeated process condition verification and model modification.

More Convenient Analysis Management

Moldex3D eDesignSYNC R11.0 supports to create multiple analysis runs in one project. Designers can put design changes into simulation directly with the same process conditions and compare the results more efficiently. Designers also can specify a new project, which will be listed under the previous project. The tree management for multiple comparative analyses will allow users to better decide the optimal model design.

Moldex3D eDesignSYNC R11.0 is now available. For pricing and more detailed product information, please contact your local sales representatives or Moldex3D sales teams at [Email Contact](#).

About Moldex3D

CoreTech System Co., Ltd. (Moldex3D) has been providing the professional CAE analysis solution “Moldex” series for the plastic injection molding industry since 1995, and the current product “Moldex3D” is marketed worldwide. Committed to provide the advanced technologies and solutions for industrial demands, CoreTech System has extended its worldwide sales and service network to provide local, immediate, and professional service. Nowadays, CoreTech System presents the innovation technology, which helps customers troubleshoot from product design to development, optimize design patterns, shorten time-to-market, and maximize product return on investment (ROI). More information can be found at www.moldex3d.com.

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Eagle Point Software Corporation Announces 2013 Updates to Its Autodesk Revit Companion Solutions

15 May 2012

Eagle Point Software Corporation, an Autodesk AEC Industry Partner, announced the release of the 2013 versions of Siteworks for Revit and LANDCADD for Revit. Updates to these solutions take advantage of new functionality in Autodesk Revit 2013 software, supporting a more complete building information modeling (BIM) workflow.

“We are glad to announce the release of Eagle Point’s Revit 2013 companion products as we strive to provide architects, landscape architects, planners and consultants with an enhanced workflow and better collaboration tools that facilitate a higher adoption of Building Information Modeling, which now also include tools for over-structure gardens,” says Luis Rojas, Building Design Product Line Manager at Eagle Point.

“Eagle Point’s Siteworks’ integration with Autodesk Revit 2013 helps users take advantage of the powerful capabilities of both applications for BIM-based site planning and design,” said Nicolas Mangon, senior director AEC, Industry Strategy and Marketing, Autodesk. “Autodesk’s portfolio of products, including the Autodesk® Building Design Suite 2013, combined with Eagle Point’s solutions, help improve the BIM workflows of building professionals, helping them design, visualize, simulate, document, and build projects more effectively.”

Siteworks for Revit enables architects, designers and planners to shape the terrain for their building sites using grading tools to model pads, parking lots, streets, sidewalks and retaining walls – all within the Revit environment. Siteworks is intended to help these professionals convey preliminary design intent about the building site within the Revit model to help facilitate their collaboration with civil engineers. And because Siteworks runs inside of Revit and uses native families, components and toposurfaces, designs become part of the overall Building Information Modeling process and help with visualizing conceptual building plans.

LANDCADD for Revit allows architects and designers to improve team collaboration by providing functionality to lay out and model the landscape components of a project, as well as produce a landscape design fully integrated into the project, allowing teams to make decisions earlier, reduce costly revisions, and speed the design process within the Autodesk Revit family of products.

For more information on Siteworks for Revit or LANDCADD for Revit, please visit <http://www2.eaglepoint.com/e/8352/2012-05-15/24yw7q/278346881>, contact Eagle Point at 1-800-678-6565, or contact your Autodesk reseller.

About Eagle Point Software Corporation

Since 1983, Eagle Point Software Corporation has been delivering technical software and services to the AEC market. As an Autodesk AEC Industry Partner and authorized Autodesk Developer, ISV and

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Government partner we offer desktop solutions that run on AutoCAD®, AutoCAD® Civil 3D®, and Autodesk® Revit® platforms. By offering products and services that complement the Autodesk family of products, we help our architectural and engineering clients to use Autodesk technology more productively, enabling them to maximize returns on their technology investments. For more information, please visit <http://www2.eaglepoint.com/e/8352/2012-05-15/24yw7q/278346881>.

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Lectra announces KaledoR V3

16 May 2012

Lectra, the world leader in integrated technology solutions dedicated to industries using soft materials-textiles, leather, industrial fabrics, and composite materials-is pleased to announce the new release of its Kaledo^R textile design suite for creating fresh and innovative prints, knits, and wovens.

Recent shifts in consumer spending habits reflect a more discerning public that has learned to make choices in a challenging economic context. For fashion companies this means finding new ways to stand out through unique design, while also balancing business objectives and production constraints. Lectra's textile design suite was developed to give designers the flexibility to experiment across fabrics and develop captivating collections while meeting business-side challenges.

"Design and innovation are the essential ways companies can stand out from the competition today. The newest version of Kaledo meets the absolutely fundamental need for fast time to market and product quality, while at the same time elevating design to its proper place as a strategic force for brand success," explains Daniel Harari, Lectra CEO.

Kaledo's newly enhanced yarn shading options give designers control over individual colors in any given yarn, allowing them to develop extremely realistic yarn and fabric simulations. Designers also now have a structured way to share information, which they can then save to capitalize on designs that have been created with custom yarns and patterns. In addition, technical reports are even more powerful, adding new dynamic features that update fabric specifications automatically, eliminating inaccuracy issues.

"Consumers are less convinced by price alone-today they crave something new and something they can value," says Anastasia Charbin, Marketing Director, Fashion, Lectra. "Demand has intensified for original designs and high quality, which means that fashion companies now face the double challenge of producing rapidly and meeting consumer desires for something unique. Designers need a professional tool that allows them to turn inefficiency into design time."

Lectra's comprehensive textile suite brings print, weave, and knit design and development together to give designers the tools to balance the art and business of their profession and react with confidence to a relentlessly shifting market.

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Luxion Releases Free KeyShot Plugin for Autodesk® 3ds Max®

16 May 2012

Luxion, a leading developer of advanced 3D rendering and lighting technology and makers of KeyShot®, the first real time ray tracing and global illumination program for 3D rendering and animation, has released an all new KeyShot plugin for Autodesk 3ds Max. This plugin is free of charge for all 3ds Max users.

As a member of the Autodesk Developer Network, Luxion has developed a plugin for 3ds Max that automatically loads the model into KeyShot with all parts, groups and layers intact. From the file menu, the export is a one-click process that instantly opens the model in KeyShot. 3ds Max users now have the fastest way to bring their models into KeyShot, creating a cleaner workflow through the entire design process. With the speed of creating material and lighting variations in KeyShot, 3D artists have an increasingly efficient pipeline for rendering and animation.

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NTP Software Announces New File Data Compliance, Governance, and Security Solution at EMC World

17 May 2012

NTP Software, provider of solutions for managing file data, will be announcing the latest version of NTP Software File Intelligence™ at EMC World, May 21-24 at The Venetian in Las Vegas. File Intelligence enables organizations to support corporate governance and regulatory compliance, respond quickly to litigation issues, and lower the risk of digital asset and intellectual property theft while reducing audit-related administrative costs.

NTP Software File Intelligence gives storage professionals real-time, automated, policy-based, scalable file auditing and control across multiple sites, showing granular file use across different storage brands and tiers. File Intelligence can produce user & directory audit reports for every create, open, save, delete, move, and rename operation across the entire enterprise, even when multiple storage types and platforms are in use, so organizations can document exactly who has done what to which files and when. File Intelligence can also help organizations keep track of file data down to the content level for legal and compliance purposes. In addition, File Intelligence can produce reports indicating potential problems in the file data environment, including unintended entitlements, and can highlight patterns of potentially risky behavior so that only those with a legitimate need have access to valuable data.

Bruce Backa, Chief Executive Officer of NTP Software, stated, "Our goal is to keep raising the bar by developing new solutions that save time and money while making it easier to manage file data. NTP Software File Intelligence provides a new and better way for storage administrators to gain greater insight and implement automated, policy-based management for improved efficiency and security. With groundbreaking options to address compliance at the content level and revolutionary analytics to help spot patterns of risky behavior, NTP Software File Intelligence represents a new level of file data

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management for increased security, easier compliance and governance, and simpler management at a lower cost."

"NTP Software is one of the few companies offering enterprise-class file data compliance and corporate governance solutions," said Zophar Sante, Vice President of Marketing for NTP Software. "More and more organizations, including many of our Fortune 1000 and large international customers, are realizing the benefits of NTP Software File Intelligence to meet their data security and governance requirements. With challenging compliance, security, and governance requirements, doing nothing is not an option -- organizations need to take the steps necessary to ensure greater data security and integrity without spending a lot of time and money to do so. Our flexibility, advanced options, and comprehensive auditing capabilities are making NTP Software File Intelligence an attractive solution for several new market segments such as law enforcement, oil and gas, design and manufacturing, and transportation."

For more information, please download the NTP Software File Intelligence Whitepaper at <http://www.ntpsoftware.com/Newsletter/FileIntelligenceWhitepaper.aspx>

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SpaceClaim and SofTech Announce Integration of SpaceClaim Engineer and CADRA

16 May 2012

Spaceclaim and Softech announced the integration of SpaceClaim Engineer and CADRA, a full-featured mechanical design and drafting program. CADRA users will be able to produce 3D detailed models quickly and efficiently, integrate solid modeling with existing drafting workflows, and easily import data from any CAD system via SpaceClaim's state-of-the-art data translators. This combined solution is available immediately and sold and supported by SofTech.

"Our bi-directional Connector technology lets CADRA users easily and seamlessly work in 3D with the ease of use they have become accustomed to in CADRA," said Bob Anthonyson, VP of Business Development at SofTech. "SpaceClaim Engineer is a cost effective and easy-to-learn 3D solution for the thousands of engineers, designers, and drafters that rely on CADRA each day for their design work. The SpaceClaim Engineer and CADRA bundle is exactly what our market needs to expand an organization's access to 3D technology beyond the more difficult to use, parametric feature-based 3D tools. It also adds digital prototyping capabilities to their environment and can reduce design costs, improve design quality, and decrease time-to-market."

"The selection of SpaceClaim Engineer by SofTech is another example of how SpaceClaim 3D Direct Modeling is expanding the use of 3D CAD throughout the product development process," commented Rich Moore, VP of Business Development at SpaceClaim. "CADRA bundled with SpaceClaim Engineer marries the best of the 2D world with the best of the 3D world. Not only will our SpaceClaim customers be able to create detailed documentation in CADRA, but they will also be able to easily turn existing 2D drawings and concept sketches created in CADRA into SpaceClaim parts and assemblies, providing even more value to their existing investment in CADRA."

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SURFCAM 6 Beta Release

13 May 2012

Surfware, Inc. announced this week that the beta version of its flagship CAM software, SURFCAM 6, has been completed and is being made available to SURFCAM Beta Users, Testers and Resellers worldwide.

SURFCAM 6, the next major up and coming release, is on schedule to follow the previous SURFCAM V5 Series of releases. SURFCAM V5.2 was released in April 2011, SURFCAM V5.1 was released in September 2010. The SURFCAM V5 Series was launched in February 2010 starting with the introduction of SURFCAM V5.0.

"SURFCAM 6 is a significant release version for any serious CAM programmer," says Peter Marton, Vice President of Surfware. "A large part of this release has been dedicated to taking the existing power and control available in the software today and coupling it with enhancements and features to make for an improved user experience. The addition of a 64 bit version, new and updated internal technologies, and even many new additional features and enhancements will prove this version of SURFCAM 6 to be a must for all programmers that require a tool which is easy to use while allowing the programmers the ability to create toolpaths with utmost precision and control. With all the capabilities now available in our flagship product, SURFCAM 6 still remains one of the most competitively priced CAD/CAM systems in the market today." Some of the new features and enhancements available in SURFCAM 6 are: -- A 64-Bit Version -- New Tools and Material Database Engine -- Faster and Improved Verification Technology -- Updated Interface -- Completely redesigned Help System -- Four (4) new toolpath strategies -- Updated CAD translators (plus RHINO CAD translator now included) -- Updated and New Post Processors (MPost and SPost) -- New Productivity Utilities -- Updated Digitizer Interface -- New Versions of editNC and SDNC -- Enhanced TRUEMill toolpath calculator and toolpath algorithms -- ...Plus much more.

"We have found this beta release of SURFCAM 6 to be solid and stable," says SURFCAM Reseller Don McKillop in Florida. "I am really pleased with all the behind the scenes work put into this version to bring it to the competitive state it is in today. We have all the power in SURFCAM 6 to easily create the most complex of 5-Axis toolpaths, and then making them work on the floor seamlessly with the post processors we support." "This version is a nice mix of features and 'stable under the hood' type work," says SURFCAM Reseller Greg Martin in Utah. "Surfware has really demonstrated their commitment to SURFCAM CAD/CAM systems competitiveness and set the stage for many years to come with new feature-rich development. We look forward to getting this release in the hands of all of our many SURFCAM customers."

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Transoft Solutions Releases Version 8.1 for AutoTURN Suite

14 May 2012

Transoft Solutions, developers of software for the transportation engineering community, has just launched version 8.1 for AutoTURN and AutoTURN Pro 3D. New national standard design vehicle

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libraries have been added, including AASHTO 2011 (USA), MT-DNIT-IP (Brazil), and VEGAGERDIN (Iceland). Platform compatibility has also been extended to accommodate Autodesk® AutoCAD® and AutoCAD® Civil 3D® 2013 as well as Bentley® Power line of products.

Further enhancements to AutoTURN Pro 3D based on client feedback also come in this new version upgrade. Major feature improvements to AutoTURN Pro 3D include the ability to perform reverse maneuvers for two-part part vehicles using the 3D Arc Path tool and support of vehicle simulations on 3D face terrain drawings in base AutoCAD®. As well, the vehicle conflict analysis feature has been updated to handle point data for collision detection between vehicles and roadway objects and infrastructure in the design drawing.

"We are very excited to launch this latest version in order to meet our customers' needs. Many of the new AutoTURN features are developed directly from requests from our longtime users," said Billy Chan, Transoft Solutions AutoTURN Product Manager. "We strive to make each new release of AutoTURN a better, more relevant product that is up to date with the latest engineering trends and advancements."

Summary of Features and Compatibility for Version 8.1:

- Supported CAD Platforms:
 - Autodesk® AutoCAD® and AutoCAD® Civil 3D® series of products
 - Bentley® MicroStation® V8i and Bentley Power series (Power GEOPAK, PowerCivil, PowerDraft, Power InRoads)
- National Standard Vehicle Libraries:
 - AASHTO 2011 (USA); MT-DNIT-IPR (Brazil); VEGAGERDIN (Iceland); two new vehicles added to Czech vehicle library
- New Feature/Enhancements for AutoTURN Pro 3D include:
 - Support for 3D face terrains in AutoCAD outputted from CAD programs such as Autodesk® Revit®, Autodesk® AutoCAD® Civil 3D®, Bentley® InRoads
 - 3D Reverse Arc Path supporting one- and two-part vehicles on a terrain
 - Conflict analysis detection using point cloud data of vehicle and object collision

For more information on new AutoTURN 8.1 version release, please visit www.transoftsolutions.com/autoturn and register for a free demo.

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