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CIMdata News

CIMdata Brings The PLM Industry's Premier Education & Training Program to Ann Arbor, Michigan

28 February 2013

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces that it will bring its highly acclaimed PLM Certificate Program to Ann Arbor, Michigan from May 13-17, 2013. The CIMdata PLM Certificate Program is the flagship offering of CIMdata PLM Leadership, the PLM industry's most comprehensive solution provider agnostic education and training offering available for today's PLM professionals.

The CIMdata PLM Certificate Program prepares PLM professionals at several levels to successfully address the challenges inherent in PLM strategy development and implementation. This assessment-based certificate program includes a personalized classroom experience, individual and team-based exercises, and individual evaluations of achievement. Additionally, the program provides intensive and extensive exposure to a team of CIMdata experts. Upon successful completion of the program, each participant receives a CIMdata PLM Certificate and becomes a member of CIMdata's global PLM Leadership community.

“We are delighted to be bringing the CIMdata PLM Certificate program back to Ann Arbor. Making

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CIMdata's world-class PLM Certificate program available in this central North American location, which also happens to be where CIMdata is based, will ensure that a wide range of PLM professionals will have the opportunity to participate in this valuable program, which has come to be regarded as the de-facto standard for PLM education and training." said James McKinney, CIMdata's PLM Leadership Practice Manager.

The CIMdata PLM Certificate Program is built on CIMdata's over 30 years of extensive worldwide experience guiding industrial companies in successfully defining and implementing best-in-class PLM strategies and tactics. The program is available to industrial companies who are considering or are already implementing PLM, and to PLM solution and service providers. PLM Certificate Program participants may register online for either a 3-day or 5-day program. For more detailed information about the CIMdata PLM Certificate Program and how to register, visit CIMdata's website at http://www.cimdata.com/services/education/plm_certificate.html.

About the CIMdata PLM Certificate Program

The CIMdata PLM Certificate Program consists of nine educational sessions. These sessions can be completed by either attending the full program delivered over five consecutive days or attending the pre-requisite core PLM Certificate sessions offered over three consecutive days and at a later time, within a 12-month period, completing the remaining sessions over two consecutive days.

The CIMdata PLM Certificate Program is available to industrial companies who are considering and/or implementing PLM, and to PLM solution and service providers. The program is built on CIMdata's over 30 years of extensive worldwide experience guiding industrial companies in successfully defining and implementing best-in-class PLM strategies and tactics.

About CIMdata

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

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

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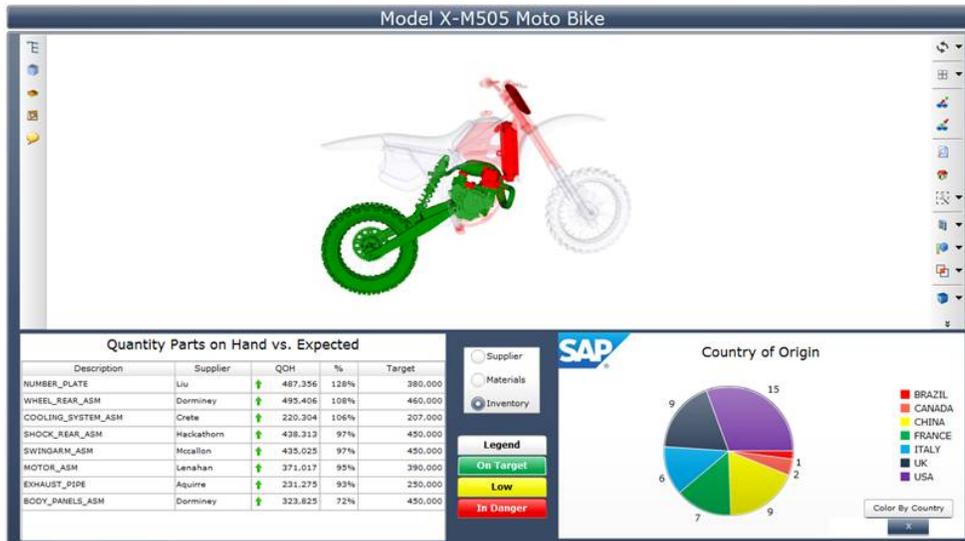
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CIMdata Publishes “SAP 3D Visual Enterprise:” Observe, Analyze, and Guide Business Optimization

26 February 2013

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces a new paper exploring SAP’s 3D Visual Enterprise product.

Industry executives have long known that making better-informed decisions improves business results. Presenting product- and business-related information three-dimensionally makes digital content more accessible and understandable to users. When presented together with associated business data and analytics, stakeholders can better comprehend data relationships and better support their decision processes. This visual decision-making approach enables better-informed users to make more insightful judgments that deliver higher business value. For SAP and non-SAP customers alike, the SAP 3D Visual Enterprise solution affords the ability to interact with 3D images of products, business information, and facilities in order to understand what is being developed, extract information from it, and accelerate decision making within and across the full range of business domains. Decisions are based on more perceptive views of relationships across the business, which facilitates optimized productivity and improved product quality.



3D Design with Associated Business Data (Courtesy of SAP)

“SAP 3D Visual Enterprise” is available to be freely downloaded from CIMdata’s [Publications web page](#).

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

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For Oracle, PLM is Not Just About Engineering...: A CIMdata Commentary

27 February 2013

Key takeaways:

- *For Oracle, PLM isn't just about providing product engineering support*
- *Oracle has enabled a broad range of extended (i.e., outside the traditional engineering-centric domain of PLM) lifecycle management capabilities*

CIMdata attended Oracle's Value Chain Summit in San Francisco, February 4-6, 2013, along with a few thousand Oracle professionals and customers. The event was billed by Oracle as the event where you will "...learn how Oracle is helping companies transform supply chains into value chains to gain competitive edge." According to Oracle, they designed this single event to bring together a number of related summits, including the Product Lifecycle Management Summit, Manufacturing Summit, Maintenance Summit, Logistics Summit, and the Value Chain Planning and Procurement Summit, to create a comprehensive conference that included almost 200 sessions across all of their supply chain management solution areas. For those who have ever attended the much larger, if not overwhelming, Oracle Open World, the Value Chain Summit offers a more right-sized venue to focus on solution suites of greatest importance with peers who care about the same issues and trends. The summit certainly delivered on its promise, and much more, if you had the chance to sit back and take it all in by connecting what was said with what was not said.

One of the first things you realize is that for Oracle, PLM isn't just about providing product engineering support. This is a vision shared and long championed by CIMdata as well. While many "traditional" PLM solution providers have evolved from an engineering-centric view of PLM, they have learned, some the hard way from their customers, that engineering by itself does not comprise complete product

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LIFECYCLE management, nor is it where some of the largest ROI from a PLM investment can be attained. Oracle, by leveraging its enterprise and supply chain heritage, clearly understands this as well as anyone, even if they occasionally fail to articulate how fundamentally different their approach to PLM is.

While Agile product lifecycle management applications do a fine job supporting engineering processes (for example, BOM creation and management, CAD data management and engineering change management), Oracle's overall PLM solution set is much more comprehensive. Agile PLM has had extensive cost and supplier management capabilities for years with Enterprise Quality Management to enable Design for Quality. Agile Product Lifecycle Management for Process is one of the original specification and formula management tools on the market. Oracle's newest PLM related offering, Oracle Innovation Management, provides a set of capabilities that directly supports the "fuzzy" front-end of the lifecycle, including Product Requirements and Ideation Management, Concept Design Management, and Product Lifecycle Portfolio Management. These are only a few examples, of non-engineering-centric capabilities Oracle delivers. Beyond these, Oracle provides adjacent capabilities that not only interact with PLM but also seek to optimize other aspects of the lifecycle, such as transportation and related lifecycle management (i.e., where products are purchased, how they are manufactured, how to best ship them, etc.).

At the Value Chain Summit there were numerous presentations from industrial market leaders like Agilent, Beckman Coulter, BPL Global, Emerson, John Deere, GE, Marzetti, Penske, Seagate, Stryker, Tellabs, Toyota and others who are Oracle customers. Initially, if one only looked on the surface of what was said, it might be challenging to fully appreciate the entire forest and not just the individual trees. On the surface, many of these presentations could have been given years ago by early implementers of product data management solutions of the past, but the difference today is where and how Oracle PLM's solutions are being applied, not just the problems they are solving.

As examples, a high-tech Oracle customer presented how they are using Agile as a supply chain tool that manages an as-sourced structured view of third-party software and provides a BOM compliance risk score for embedded software. A farm machinery equipment company illustrated how the company's electronics group is using Agile to support software development and BOM grading for supply chain risk to enable design for supply. Another high-tech company presented how they use Agile to support product cost management with a sourcing focus. And a representative from a Japanese automotive OEM engine controls group spoke of the increasing complexity and content of electronics and software in their vehicles. He commented that in the 1980s their automobiles had an engine control unit (ECU) with 5 inputs and 2 outputs, but today the typical ECU has 55 inputs and 48 outputs and their luxury cars have more than 100 ECUs. He commented that this increased complexity has resulted in increased testing complexity, since all the various operating characteristics (i.e., all possible combinations of inputs and outputs across the ECUs) need to be validated to ensure that the automobile will operate appropriately. In the past they would physically test the vehicle and the multiple combinations of inputs and outputs. Today, this would add a significant amount of time to the vehicle development and testing cycle. This need led the OEM to pursue a model-based development approach where Agile is used to manage critical elements of their virtual ECU test environment. The company reports that this virtual testing approach has resulted in a 30-times reduction in testing time.

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When taken as a whole, these and a host of other presentations illustrated Oracle's comprehensive end-to-end lifecycle management strategy and associated enabling capabilities. While CIMdata would like to see Oracle better articulate its vision in forums like this one, and on their web site for example, CIMdata is impressed with the significant in-roads Oracle has made in enabling extended (i.e., outside the traditional engineering-centric domain of PLM) lifecycle management capabilities. With Oracle's Fusion architecture and associated application strategy, CIMdata is confident that Oracle will be able to deliver additional well-thought-out and integrated capabilities that leverage Oracle's comprehensive set of solutions, beyond those under their PLM banner, to support adjacent up- and down-stream business processes. There are a lot of different solutions in Oracle's "forest" and sometimes when in the forest it is difficult to see and fully value all the individual trees. Fortunately, many companies are taking notice and advantage of Oracle's inherently broad and now increasingly deep PLM ecosystem.

About CIMdata

CIMdata, an independent worldwide firm, provides strategic management consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM). CIMdata provides world-class knowledge, expertise, and best-practice methods on PLM. CIMdata also offers research, subscription services, publications, and education through international conferences. To learn more about CIMdata's services, visit our website at <http://www.CIMdata.com> or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495.533.666.

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Using PLM Beyond Design and Engineering: A CIMdata Commentary

28 February 2013

Key takeaways:

- *Most companies have business processes that need to leverage product information stored within their engineering or product development environments*
- *Managing and improving those processes has a significant positive impact on the business*
- *Autodesk PLM 360 provides a flexible, cost effective solution to address business processes as needed*

Introduction

In today's highly competitive global market, bringing compelling new products to market faster is a core strategy for success. For many companies it is critical to obtain a "first mover" competitive advantage. Global competition, product complexity, time to market, regulations, unit cost, life-cycle cost, compliance, and quality continually drive businesses to become more efficient and innovative across industries. Each year every company has a select number of initiatives in which they will invest to achieve their business goals but not all are design and engineering focused. Finding the right solutions to

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support these initiatives is critical to business success.

One area that is crucial to success is operating effectively by using product related information across all areas of the business. In most companies, it is not the product development tools that are the issue; it is the processes used throughout the product lifecycle that impede business effectiveness. To address this problem, Product Lifecycle Management (PLM) solutions are being applied to help businesses work better, faster, and more productively. In order to maximize business success, processes that leverage product definition information stored in PLM must be applied beyond design and engineering.

Whether a person is in sales, engineering, procurement, manufacturing, quality, service or even in the supply chain, access to product-related information is necessary to perform their work tasks. And they need to work within efficiently managed processes that ensure they get the right information at the right time to do the right work. A continuously changing business landscape drives the need for better processes. For example, new regulatory requirements demand that companies have better quality and compliance processes. Working with global supply chains requires efficient and secure supplier collaboration processes.

Many business processes run horizontally across the enterprise; whether they are customer-facing like marketing or sales or internal like manufacturing, supply chain, logistics, or finance. All are just as important as design and engineering in being able to create, deliver, and maintain successful products and services.

To achieve and maintain market success, companies are investing to innovate and improve all aspects of their enterprise from customer interaction, planning, product development, manufacturing, and service. Valuable information is created in each of these domains—information that users in multiple organizations need to make more informed and timely systemic decisions. PLM strategies and solutions have proven to be a key element in deploying more innovative business processes across the enterprise but traditional PLM solutions have been constrained by cost, implementation complexity, and limited access. New solution and delivery paradigms are required to unleash the full power of PLM.

Traditional Solutions

Traditional PLM solutions were conceived to support product design (primarily CAD). The foundation of the technology was built to address the issues that design departments faced. The core set of tools commonly included a data vault, workflow and CAD management modules. Over time functionality was added that enabled product information be used beyond engineering. Increasing functionality required adding additional modules and licenses, which often resulted in additional costs due to integration and implementation services. Additionally, to get a comprehensive solution installed, frequently meant that customization would be required, resulting in a large, complex implementation that required financial and other resources to maintain and upgrade.

The typical result of early implementations was that they did a good job of managing the engineering and design environments but did not address the many other business processes that need to access and

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use product related information. Those processes generally were supported by multiple, siloed business applications in which sharing related information was difficult and ensuring that everyone worked with the latest, consistent information was impossible.

The early implementations of these solutions required a lot of customization as well as significant upgrades to IT infrastructure. These factors combined to limit the scope of PLM implementations at small to medium sized businesses (SMB). SMBs did not (and still don't) have the financial and human resources required to deploy traditional PLM solutions, and even if they did, the ROI is not attractive.

New Paradigms for PLM

Today companies want solutions that solve specific business “pains.” Businesses must be able to more quickly acquire and deploy PLM functionality and solutions that give them operational flexibility and improve the efficiency and the pace of their business.

The advent of cloud-based computing is providing new, highly flexible PLM delivery paradigms that address many of the issues with traditional PLM delivery. While the “cloud” has many competing definitions, characteristics of cloud-based solutions usually include:

- On demand solutions with new cost models that have low upfront cost for software licenses, subscriptions or right to use
- The ability to add and increase performance of the solution and processes without requiring additional investment in the underlying IT infrastructure
- Hosted computing services and environments that do not require investments in infrastructure
- Global access to required application functions, information, and processes
- Individual departments can implement an improved business process without IT intervention – making it available faster and with significantly less cost.

Cloud-based PLM solutions leverage the cloud's ubiquitous access, infinite computing, and unlimited scalability to provide companies flexible and easily configurable workspaces within which personnel in multiple organizations (internally and externally) can collaborate using workflows that extend across the full partner enterprise and organizational boundaries. Traditional PLM solutions commonly require client software to be installed, are difficult to upgrade, and have complex user interfaces, all of which make broad deployments difficult. Since cloud-based solutions are newer, they are able to leverage modern UI paradigms and internet and IT technologies which make it much easier to deploy outside of engineering and even across enterprise boundaries.

Autodesk PLM 360 is such a solution. It is delivered via and takes full advantage of all of the cloud computing paradigm characteristics to enable companies to gain maximum advantage of PLM strategies and solutions quickly, cost effectively, and without major IT or infrastructure investment.

Discovering the Benefits of Autodesk PLM 360

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The key capabilities of Autodesk PLM 360 include its accessibility, flexibility, configurability, and instant-on usability. This allows customers to quickly deploy PLM-enabling technologies to attack specific business process pains without requiring a large, comprehensive enterprise-wide deployment project. The functional business process areas addressable by PLM 360 applications include: sales, research and development, engineering, manufacturing, supply chain, operations, quality, compliance, and service. It can touch all aspects of the business to address customer critical business processes beyond design and engineering.

Figure 1 shows some examples of Autodesk PLM 360's predefined business applications and templates that can be used to quickly implement new business processes.



Figure 1—Examples of PLM 360's Apps For Everyone

The breadth of these applications highlights the knowledge and importance that Autodesk has placed on making PLM 360 not just an engineering tool, but also a solution suite that can support innovation and provide benefits across all areas of a business regardless of company size.

More importantly, companies can pick and choose to implement only what they need, when they need it. They can add additional capabilities and new processes as their business needs dictate. Because each of these applications uses a common platform and underlying data management technology, information can be shared as needed. Integration with other business systems such as Enterprise Resource Planning (ERP) or Customer Relationship Management (CRM) is supported. Companies can organize PLM 360 business processes into workspaces that they can create or modify as their needs grow and/or change. They are not locked into a rigid infrastructure that requires significant IT effort to maintain, modify, or grow.

Using PLM 360 to Solve a Business Problem

Massilly NA, Inc. provides an example of using PLM 360 to address a non-CAD related product lifecycle issue. They use PLM 360 to manage all areas of quality, from control of the first document to

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sharing the results of the last production audit. They have configured PLM 360 workspaces to manage all of their important quality processes. Using PLM 360 is enabling Massilly to work faster with less waste and duplication of effort. In addition they can quickly make required changes to their PLM quality processes without programming expense. Massilly's Quality Manager stated, "I just could not do the quality work I need to do without PLM 360."

Summary

Companies of all sizes need to continually improve their business processes. While PLM had its origins in design and engineering, PLM technologies and solutions are now being applied to business processes across the extended enterprise. This ensures that product related information is clear, concise, and valid and available to any user at any level (shop floor to corporate management) allowing more informed decisions to be made faster to compete in today's global economy.

What companies want is a PLM solution that offers fast, simple, low cost deployment that has the flexibility to scale in functionality and size. Autodesk PLM 360 with its Cloud-based paradigm does just that. It gives companies the ability to implement the business process (or processes) they need without requiring significant up-front investment or large, complex implementations.

Autodesk's PLM 360 is an innovative approach to the broader PLM market. It leverages Autodesk's traditional strengths while addressing the weaknesses of traditional PLM solutions including cost and complexity. While many in the PLM market talk about the importance of cloud and mobile, Autodesk appears to be leading the way with potentially game-changing offerings and they are definitely thinking differently about this market. Their broadening portfolio covers much of the traditional PLM space, and should extend Autodesk's footprint within SMBs and also get them on the short list in larger and larger enterprise deals. These are some of the reasons why CIMdata added Autodesk to our list of "PLM Mindshare Leaders" in our 2012 PLM market analysis. This is not "your father's Autodesk," and is now a company that the traditional PLM market leaders have to compete with head to head.

About CIMdata

CIMdata, an independent worldwide firm, provides strategic management consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM). CIMdata provides world-class knowledge, expertise, and best-practice methods on PLM. CIMdata also offers research, subscription services, publications, and education through international conferences. To learn more about CIMdata's services, visit our website at <http://www.CIMdata.com> or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495.533.666.

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Acquisitions

3D Systems Completes the Acquisition of Geomagic

27 February 2013

[3D Systems](#) announced today that it has completed its previously announced acquisition of Geomagic, Inc. ("Geomagic"), for \$55 million in cash. [Geomagic](#) is a global provider of 3D authoring solutions including design, sculpt and scan software tools that are used to create 3D content and inspect products throughout the entire design and manufacturing process.

The combination of Geomagic's powerful sculpting, modeling, scanning and inspecting software tools with 3D Systems' portfolio strengthens its 3D authoring platform and positions the company for accelerated growth in the expanding advanced manufacturing, healthcare and consumer opportunities. The transaction adds complementary products and technology and increases the company's reseller coverage globally.

The Company expects Geomagic to be accretive to earnings and contribute approximately \$17 million of revenue to its previously announced 2013 annual guidance.

"This is an exciting development for us and our customers. With our combined portfolio, we are committed to enhance our customers' processes and workflows, including capture, design, modify, inspect and interact," said Avi Reichental, President and CEO of 3D Systems. "The completion of this transaction today marks the beginning of a journey to democratize access to our unmatched portfolio of powerful 3D content-to-print products and services for the benefit of professionals and consumers alike."

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Company News

Agilent Technologies Helps Students Acquire Real-World EDA Skills with New Licensing Program

26 February 2013

Agilent Technologies Inc. today launched the Agilent EEsof EDA Student License Program, designed to provide access to [Agilent EEsof EDA software](#) on students' personal computers.

With the license, students no longer have to use university lab computers or log in to a university system to access Agilent EEsof software via Agilent EEsof license servers. Instead, students can now access Agilent EEsof software anyplace, anytime on their own computers. Agilent EEsof software available through the licensing program includes [Advanced Design System \(ADS\)](#), [Electromagnetic Professional \(EMPro\)](#), [Genesys](#) and [SystemVue](#).

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The licensing program is open to students attending universities that participate in the Agilent EEsof EDA University Educational Support Program. Students can request a license by completing the Student Codeword Request form at agilent.com/find/eesof-university. Issued licenses will be the same as those actively supported for the student's university. If the university has a supported ADS university donation package, for example, students will receive ADS licenses. All licenses are valid for 12 months and are for educational purposes only. They cannot be used for commercial purposes.

These licenses are only being offered in the Americas, Europe (excluding Russia) and Japan. Specifics about program requirements are available at agilent.com/find/eesof-university. Interested parties may also contact a local Agilent EEsof field engineer or Agilent EEsof's university program manager at john_kikuchi@agilent.com.

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Comnext of Japan Joins the Aras Partner Program

28 February 2013

Aras® today announced that Comnext Co., Ltd, a manufacturing IT services and consulting firm headquartered in Tokyo, Japan, has joined the Aras Partner Program. Comnext specializes in the development of advanced planning and scheduling (APS) manufacturing and low-risk, high quality product lifecycle management solutions based on open source technologies.

Comnext combines its expertise in manufacturing and open source technology to provide customers with cost-effective, highly advanced product development solutions. The Company forges strong partnerships with its customers, offering a full range of IT consulting, development and implementation services based on today's most reliable open source technologies. For more information, please visit <http://www.comnext.co.jp/>

“We are very pleased to welcome Comnext to Aras Partner Program. Comnext brings an in-depth knowledge of manufacturing and the product lifecycle, and a rich appreciation for the value of open source technologies to the Aras Corporate Community,” said Peter Schroer, President of Aras.

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Contest Challenges Engineers and Students Worldwide to Create the Future

1 March 2013

The 11th annual "Create the Future" Design Contest (www.createthefuturecontest.com) sponsored by COMSOL, SAE International, and Tech Briefs Media Group opens today and runs through July 1, 2013. The contest is an opportunity to receive global recognition and a cash prize of \$20,000 for an innovative

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new product idea that benefits society and the economy.

Past contests have generated over 9,000 design ideas from engineers, educators, and students in more than 100 countries. Previous grand prize winning entries include a key fob-sized device that makes smart phones "smarter" by enabling consumers to run a variety of low-cost sensing applications; an economical, rapid screening device to prevent food borne illness; a wheelchair propulsion system designed to increase the user's mobility while decreasing upper body, repetitive stress injuries; a mechanism that makes CPR easy and safe for anyone to perform; a fuel-saving motor/pump for cars and trucks; a low-cost in-vehicle emergency warning system; and a new type of energy-efficient lighting.

The "Create the Future" Design Contest has been responsible for bringing attention to product designs that increase the quality of life, improve the efficiency and quality of healthcare, and help to reduce dependence on non-renewable energy sources.

A Hewlett-Packard workstation computer will be awarded to the winners in each of the seven entry categories: Consumer Products; Electronics; Machinery & Equipment; Medical; Safety and Security; Sustainable Technologies; and Transportation.

Contest entries can be submitted by an individual or a team. An independent industry panel will judge the entries. Web site visitors are invited to vote for their favorite entry. For more information on how to enter the contest, go to www.createthefuturecontest.com.

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DataCAD Joins Lattice Technology's Reseller Network

27 February 2013

Lattice Technology® Inc., a provider of technical communication and digital mock up software, today announced that DataCAD Software & Service has joined their reseller network. As a Lattice Technology reseller, DataCAD can now offer expertise, service and support to companies looking for powerful, affordable tools for technical communication and digital mock up. Manufacturing companies use Lattice Technology's solutions to more effectively leverage 3D engineering data across the product lifecycle—improving productivity and ROI in purchasing, design, manufacturing and service.

“DataCAD is an ideal partner for Lattice Technology because of their many years of experience with design, manufacturing and visualization software,” said Bill Barnes, General Manager, Lattice Technology, Inc. “We continue to see worldwide growth in demand for tools that enable 3D data to be used in more applications. DataCAD will provide high quality service and support to our expanding customer base.”

Located in Bad Kreuznach Germany, DataCAD Software & Service is a leading reseller of technical

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software solutions. With more than twenty years of experience, DataCAD delivers the knowledge, products and service customers need to improve their manufacturing and engineering processes.

“We are pleased to include in our portfolio for manufacturing companies, one of the leading technical communication and digital mock up solutions in the industry today,” explained Ulrich Oehler, CEO, DataCAD. “We have been in this market since 1998 and successfully serve a customer base of more than 2,000 customers. Adding Lattice Technology to our portfolio gives customers even more innovative solutions to improve their design and manufacturing processes.”

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EOS and Ruetschi Technology form Strategic Partnership for the Further Development of the European Medical Technology Market

26 February 2013

On the occasion of the Medtech 2013 in Stuttgart, EOS and Ruetschi Technology AG announce the formation of a strategic partnership to further develop the European medical technology market. This cooperation concentrates the innovative know-how of the two companies in the best way possible. The joint objective is to identify further possible uses for additive manufacturing in medical technology and to establish this manufacturing method permanently in the medical branch.

Dr. Adrian Keppler, managing director at EOS, emphasises, “Ruetschi Technology and EOS are well matched. Ruetschi's core competence is the development and production of technically sophisticated, high-quality micromechanical products for medical technology. They have the special skill of implementing customer ideas into leading high-tech products and cover the whole value creation chain – from engineering and prototyping through validation and production to assembly and packaging.”

Christoph Ruetschi, CEO at Ruetschi Technology AG, adds: “With EOS we have found a partner with long years of experience in the field of additive manufacturing, system and material development who offers a pioneering technology solution which is heralding a change in paradigms in engineering, design and manufacturing. The method opens up new opportunities for design engineers in the medical branch who have so far only used subtractive, conventional methods and are increasingly coming up against feasibility limits. On the other hand, this technology supplements traditional manufacturing methods such as turning, milling and injection moulding. This allows our customers to purchase validated products from a single source, whether they have been manufactured conventionally or additively.”

Both companies agree that the whole medical branch can benefit from this strategic partnership. With the additive manufacturing method, manufacturers of medical products have a high-quality, extremely flexible manufacturing method at their disposal, which allows them to break new ground in product development and manufacture completely new components, products and solutions. The advantage for major suppliers of medical technology products is that Ruetschi Technology not only takes over part production using laser-sintering for them, but can provide extensive and competent support throughout the application development process from design through to finishing treatment and sterilisation.

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IMAGINiT Technologies Earns Autodesk Fabrication Specialization

26 February 2013

[Rand Worldwide](#) today announced its [IMAGINiT Technologies](#) division has been awarded Autodesk's new Fabrication Specialization. IMAGINiT earned this latest [Autodesk](#) designation by surpassing training requirements as well as exceeding Autodesk's required service and standard levels.

"We are pleased that Autodesk has recognized our specific industry expertise in fabrication," says Bill Zavadil, senior vice president of worldwide services, IMAGINiT Technologies. "Having experts with years of experience in both field construction and fabrication enables us to help our clients take advantage of the efficient field to fabrication workflows that FABmep provides."

Achieving this Advanced [Autodesk Specialization](#) is another step in showing MEP fabricators that IMAGINiT has a national team of experts with deep [consulting capabilities](#) who can develop comprehensive and effective BIM workflows by advising on the right combination of people, processes and technology such as Autodesk's Fabrication CADmep.

IMAGINiT salutes the following staff for their most recent accomplishments:

- John Jansen for achieving the Advanced Specialization of Autodesk Fabrication Specialization for Technical
- Michael Blanchard for achieving the Advanced Specialization of Autodesk Fabrication Specialization for Sales
- Donald Boresky for achieving the Advanced Specialization of Autodesk Fabrication Specialization for Sales

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Lectra Rewards AMFI Students for Projects Created with 3D Technology

28 February 2013

Lectra has organized with AMFI-Amsterdam Fashion Institute a design contest for students using Lectra's 3D pattern-making solution, Modaris®, for the fourth consecutive year.

Lectra and AMFI gave students the opportunity to create a mini-collection powered by Lectra solutions, which reinforced concepts emphasized as part of AMFI's education program. Luna Mijnheer took away the Fashion & Design first prize, ahead of Jazz Kuipers. In the Fashion & Management category, Sanne

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Visser and Yasmin Groot won, with Denise Bink and Ruud van Esch coming in second. All the prizewinners received a Modaris license in order to continue with their fashion projects.

Lectra and AMFI, education partners since 2007

For more than 20 years, AMFI's education program evolved in the fashion industry by balancing a combination of creative innovation and technological know-how. Lectra, with its strong commitment to education in the fashion industry, is proud to be a partner of AMFI.

AMFI's Digital Body Sculpture program centers around virtual 3D prototyping, which has quickly become a critical element in their teaching. By viewing designs in 3D with Lectra's Modaris, students can more easily understand pattern construction while seeing styles come to life. By playing with the combination of silhouette, color, fabric design and fabric type, students learn to define proportion while also judging fit. Because modifications are then visible in real time on both the flat pattern and on the 3D prototype, there is more interaction and creative options can be explored freely.

3D prototyping has had a positive impact on the quality of designs and cut and has also instilled students with more and more enthusiasm every year. "Students work with a 3D virtual prototype to adjust and finalize designs, or to explore new creative paths, which improves the speed and accuracy of their work," highlights Leslie Holden, head of the Fashion & Design and Fashion & Management departments. "With Lectra, we train students who then go into the industry and improve the development process and help evolve how the fashion industry works."

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Majenta Solutions Appointed Sole UK Reseller of AGS' iLink Autodesk® Vault® Metadata and CAD/PDM/ERP Integration Software

22 February 2013

Majenta Solutions, CAD/CAM software and IT infrastructure hardware and software solutions providers, has been appointed the sole UK partner for Oslo, Norway-based AGS, a developer of CAD, product data management (PDM) and IT solutions for the mechanical engineering and manufacturing industries.

Under the terms of the agreement, Majenta Solutions becomes the sole UK reseller and technical support provider for AGS' iLink software. This highly configurable software is designed to add powerful and coherent product data flow capabilities to a company's CAD environment. Linking a company's CAD/PDM system to its information systems, including MRP and ERP systems, AGS' iLink automates time-consuming engineering routines, making it easy to deploy internal design rules and standards and thereby helping to eliminate errors and inconsistencies in product information.

"AGS is an extremely forward-looking company and I am delighted with our agreement to be their sole UK partner," said Simon Ordish, director, Majenta Solutions. "iLink provides an easy, accurate and collaborative means of adding important metadata to Autodesk® Inventor® CAD models and drawings.

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Companies that use iLink have demonstrated impressive increases in the value of the information they hold in their Autodesk Vault product information databases. With iLink we can now offer our customers a tool that enables Autodesk Vault to be integrated into any ERP system. This will improve data sharing, with less duplication and more accuracy, resulting in further efficiency improvements and enabling better business processes,” he concluded.

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Michael Pettit Appointed Alphacam Sales Manager

26 February 2013

Vero Software have appointed Michael Pettit as UK & EMEA Sales Manager for their Alphacam brand.

Michael has been working with Alphacam since 1995, both as a reseller and direct employee. During that time he gained wide knowledge of all aspects of Alphacam’s applications as a leading CAM solution for routing, milling and turning from 2-axis through to 5-axis programming...along with experience of installation, training and sales.

As well as working directly with customers in the UK, he has developed close links with resellers across Europe.

Alphacam General Manager Nick Spurrett says: “Michael’s success can be attributed to his dynamic interpersonal skills, high levels of integrity and honesty. He has also demonstrated business and management skills, and is the ideal person to lead the Alphacam sales team.”

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Scott Hanratty and Florin Iancu Join TURBOdesign Technology

27 February 2013

[Advanced Design Technology](#) (ADT), today announced that its United States (U.S.) affiliate, [TURBOdesign Technology](#) (TDT) hired Scott Hanratty as director of sales and marketing, and Florin Iancu, Ph.D., as engineering director. Hanratty and Iancu report directly to Mehrdad Zangeneh, founder and managing director of ADT and president of TDT.

“As the provider of the only currently available nonproprietary software for the 3D inverse design of turbomachinery, we are pleased but not surprised at the high level of interest in our products and services that encompass a newer, faster and more accurate way to approach turbomachinery design,” said Zangeneh. “With the addition of Scott Hanratty and Florin Iancu to our TURBOdesign Technology team, we have the needed expertise and support to fulfill U.S. software sales and engineering services demand.”

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As director of sales and marketing for TDT, Scott Hanratty is the head of North American sales for ADT's TURBOdesign Suite and is responsible for growing existing accounts as well as new business development. Prior to joining TDT, Hanratty was vice president of international sales and operations for NEi Software (Nastran). He also had successful sales careers as the director of sales at Concepts NREC and ANSYS. For ten years, he has focused primarily on growth in Asian and South American markets where he has grown strong networks of value added resellers (VARs) and direct sales presence as well as wholly owned subsidiaries in Europe, Mexico and Japan. Hanratty earned a Bachelor of Science degree in business and economics from the George L. Graziadio School of Business and Management at Pepperdine University. He is a member of the American Management Association, American Marketing Association and American Society of Mechanical Engineers (ASME).

As engineering director for TDT, Florin Iancu is responsible for maintaining customer relationships, leading turbomachinery product engineering projects and assisting in TURBOdesign software development advances. Iancu joined TDT in October 2012. Prior to joining TDT, he spent seven years as a compressor design engineer for Johnson Controls, Inc., of York, Penn., where Iancu was actively involved in the aerodynamic design of the centrifugal compressor as well as in the mechanical aspects, fabrication and controls of these machines. He earned both his Doctorate degree and Master of Science in mechanical engineering from the College of Engineering at Michigan State University where he focused on novel techniques for enhancing gas turbine and compressor process efficiencies. Iancu earned his Bachelor of Science degree from the Department of Engineering at University Politehnica of Bucharest in Bucharest, Romania. Iancu's work so far has generated eight U.S. and international patents and patent applications. He is actively involved in the American Society of Mechanical Engineers (ASME) and the current chair of ASME's Process Industries Division's Executive Committee.

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Simufact Engineering has Founded Subsidiary in India

21 February 2013

The Hamburg based software company Simufact Engineering has founded the Indian subsidiary Simufact India Private Limited. Dr. Gabriel Mc Bain has been appointed as Director of Simufact India. The registered office of the new company is the city of Bangalore, in which leading complement suppliers and aerospace companies are based.

With its software solutions, Simufact primarily aims at metalworking and -processing companies, among these the automotive and aerospace industry, but also at plant and mechanical engineering companies and sector-related suppliers. This software simulates forming, welding and mechanical forming processes and supports companies to design and optimize their production processes quicker. By virtual testing, companies save valuable production resources and simultaneously reduce the time needed to release innovative production processes for serial production.

For several years, Simufact has been successfully operating on the Indian market. In close cooperation with its reseller partner Partner Kadkraft Systems Pvt. Ltd., based in the northwestern city of

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Chandigarh, Simufact has already been able to acquire a number of renowned Indian customers for its software applications. The customer base includes, among others, L&T Special steels and heavy forgings, Shivam Autotech and Ramsays Corporation.

“The metalworking industry in India expands very dynamically”, says Michael Wohlmuth, Managing Director and CEO of simufact engineering gmbh. “This is why the Indian Machine Tool Manufacturers’ Association anticipates double-digit growth rates in the next years, mostly by the benefits of the booming automotive industry in India. In these premises, we will continue to expand our activities in India beyond the foundation of an own subsidiary.”

Gabriel Mc Bain, Director of Simufact India, adds: “The primary task of Simufact India is currently to offer our customers a comprehensive technical service; we do not only help to introduce our software on-site, we also provide engineering support and train the users far beyond the application of our software products in questions of production technology. Our reseller partner Kadkraft will further cooperate with us in Indian sales activities.”

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Events News

Delcam to Launch Dual-Device Inspection Software at Control

26 February 2013

Delcam will launch the 2013 release of its PowerINSPECT inspection software on stand 3514 at the Control exhibition to be held in Stuttgart, Germany, from 14th to 17th May. The new version offers unique dual-device inspection options that allow measurement with two portable devices at the same time. PowerINSPECT is believed to be the only inspection software that supports simultaneous operation of different types of device, including laser scanning, from different manufacturers.

Other enhancements in the new version include improved handling of point-cloud data, group editing of probing parameters, graphical editing of boundaries for raster-based inspection, more flexibility in programming dual-column CMMs, and easier measurement and marking out when using PowerINSPECT for clay modelling.

PowerINSPECT combines the ability to work with all types of inspection device with a comprehensive range of inspection routines for taking simple measurements, for inspection of geometric features and for analysing complex 3D surfaces. The resulting reports present detailed information in an easy-to-read format, that can be understood by all engineers not just inspection specialists.

The ability to provide simultaneous measurement from two devices is an extension of the functionality for dual-column CMMs included in the 2012 R2 release of PowerINSPECT. The main benefit is the same – the ability to reduce inspection times both by measuring a complete object in a single set-up and by taking data simultaneously from two sources.

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As with the dual-column mode, the two-device technique works in a similar manner to the single-device version of PowerINSPECT: models are loaded in the same way; inspection items are created using the same methods and so on, meaning that little extra training is required.

Dual-device operation works around the line-of-sight limitations of laser trackers and other optical measuring devices. The new version of PowerINSPECT enables both sides of the same object to be measured simultaneously with two laser trackers. This could have huge time savings in any production line as it would minimise the need to reposition the object or measuring device when inspecting all around the component.

PowerINSPECT can also combine measurements from two different types of device. For example, a laser tracker can be used to check the long-range accuracy of a large component while a portable arm is being used to measure specific critical features in a confined space.

The new dual-device option is related to the dual-column module for CMMs which is also further improved. In particular, it has been made easier to switch between single-column and dual-column operation, so making it practical to inspect two small items independently with the two columns, as well as to inspect separate areas of a single large object.

A new function that will simplify programming for all PowerINSPECT CNC and OMV users is a new 'Probing and Parameters' item that modifies the probing parameters of subsequent probed features. For example, if a different probe or measuring speed is required, the new setting can be applied to any group of measurements or even the complete inspection sequence with a single action. An extra benefit is that similar edits can be made to any programs read into PowerINSPECT 2013 that were originally created in earlier versions of the software.

Raster-based inspection has been made more flexible with the ability to edit the measurement volume graphically. This is in addition to the previous options to use typed dimensions, or a CAD surface or group of surfaces, as the boundary.

Laser scanning of a series of parts has also been made easier. Labels applied to the results from the first part, for example to identify critical points, are now regenerated automatically in the results from subsequent parts so repeated inspections are more automated. In addition, the picking of points for alignment of scan data has been improved, with points being highlighted as they are selected so it is easier to spot any that have been missed.

Finally, improvements have been made for companies using PowerINSPECT for clay modelling, for example in automotive design studios. New time-saving features make it easier for users to display the details of digitised curves, to switch between curves, and to select, edit and mark out points within the curves.

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CENIT to Present at PLM2013 Conference in Las Vegas on SAP PLM 7 Implementation Strategies

28 February 2013

CENIT (www.cenit.com) will be presenting at the PLM2013 Conference, jointly hosted by SAP and SAPinsider, on March 6th in Las Vegas, NV. The speakers will discuss lessons learned from implementation projects of the SAP PLM 7 solution. The presentation will focus on strategies and solutions for the implementation of complex, end-to-end business processes and workflows in SAP PLM 7.

Together with their PLM Alliance partners CENIT will also be exhibiting at the conference at booth #735 from March 4th to March 6th.

Conference highlights will include presentations on strategies, best practices and industry case studies on the latest SAP Product Lifecycle Management (PLM) and Portfolio and Project Management (PPM) solutions.

Visit the conference website at <http://www.plm2013.com> for further details.

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OPEN MIND Technologies to Showcase Latest Developments at METALL 2013

27 February 2013

METALL 2013 will take place in Munich, Germany from 6 to 8 March 2013. CAD-/CAM software developer OPEN MIND (Hall A6, Stand I 11) will use the exhibition to offer visitors from companies from the metalworking industry a first look at the upcoming hyperMILL® version 2013 CAM software. With hyperCAD-S®, OPEN MIND is introducing its in-house developed CAD software, which is specially tailored to the needs of NC programmers.

“We regard regionally important fairs such as METALL in Munich very highly. Here, our employees are often able to cater specifically to the technical requirements of the visitors and offer suggestions for process optimisation using CAD/CAM solutions. Both users and manufacturers benefit from these in-depth conversations,” says Volker Nesenhöner, CEO of OPEN MIND Technologies AG. *hyperCAD-S*® has been redeveloped from scratch, with the architecture, core, graphics, database, user interface and API all being new software designs. The 64-bit software is particularly powerful when importing and customising data. Users can easily modify any of the geometry elements. Curves and free-form surfaces are depicted using Bezier and NURBS geometries. In addition to the familiar basic elements for

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construction, the core now also provides a number of elements that specifically aid CAM programmers, including tool paths, polygon networks, point clouds and rectangles. The result is a clearly structured GUI that does not rely on any hidden functions.

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Orthotics Technology Forum Moves to USA for 2013

28 February 2013

As the only orthotic event dedicated to new technologies the 2013 edition of the Orthotics Technology Forum will break new ground in scan, design, machining and materials. Following two successful events in Europe both attracting over 100 delegates, the third event will take place in the USA, at the Georgia Institute of Technology from 29th to 31st May, 2013. Bringing together the best of current and emerging equipment, software and processes the forum will showcase their application in prescribing, designing and manufacturing orthotics and orthopaedic shoes. For more information, please visit www.orthotics-technology-forum.com.

The Georgia Institute of Technology is one of the top research universities in the United States, occupying 400 acres in the heart of the City of Atlanta. It was the first college in the USA to offer a Master of Science in Prosthetics and Orthotics (MSPO). Delegates will have the opportunity to tour the Institute's extensive facilities as well as see research projects. If you are interested in attending this year's event you can sign up via their website (www.orthotics-technology-forum.com) or by contacting Mary Shaw (mes@delcam.com).

There are just a few speakers slots still available to any international speakers that are leading the way in developing and using different types of technology, including hardware devices to help biomechanical analysis, pressure and anatomical form, CAD/CAM tools for plasterless manufacture, as well as new ideas for increasing productivity and reducing manufacturing costs. Researchers, laboratories and practitioners interested in speaking at the Forum should contact Chris Lawrie at cl@delcam.com.

With such a high calibre of exhibitors, speakers and attendees it is a great opportunity for suppliers to sponsor such a prestigious event. A few remaining sponsorship options remain however large or small your budget is. For further details please contact Mary Shaw at mes@delcam.com

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PwC Announces Participation at SAPinsider Logistics & SCM, PLM, Manufacturing, and Procurement 2013 Conference

27 February 2013

[PwC US](#) today announced its participation in several sessions at SAPinsider [Logistics & SCM, PLM, Manufacturing, and Procurement 2013](#) conference. Attendees will learn about SAP functionality to

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enable innovation and operational excellence to the extended supply chain. PwC is a premier-level sponsor of the event, which takes place at the Mirage Hotel and Casino in Las Vegas, March 5-8, 2013.

"As business dynamics continue to grow in complexity, it is crucial for industry leaders to understand how to be proactive, efficient, and responsive with their extended supply chains," said Rodney Seligmann, principal and SAP Strategic Alliance Leader, PwC. "During our sessions at Logistics & SCM, PLM, Manufacturing, and Procurement 2013, we will share insightful business strategies to leverage solutions offered by companies such as SAP that drive results at every level."

According to PwC's 16th annual [CEO Survey](#), 44 percent of U.S. based CEOs are investing to increase the operational effectiveness of their company and are looking for innovation and competitive advantage to offer customers more -- but at a lower cost. The survey also found 53 percent of U.S. CEOs plan to strengthen engagement with key suppliers to both minimize costs and maximize supply chain flexibility and delivery performance.

At SAPinsider's Logistics & SCM, PLM, Manufacturing, and Procurement 2013 conference, attendees will learn how to get more from their SAP systems to enhance the planning and management of SAP SCM, PLM, manufacturing, and procurement projects.

During its sessions, PwC will uncover latest strategies and updates in product ideation through to delivery, including: proven forecasting techniques, project and portfolio management solutions, demand and supply optimization, sourcing and procurement techniques, warehouse and transportation management, shop floor integration and more.

This event arms attendees with the practical information they need to make the most of their investment with SAP solutions for their extended supply chain. PwC will showcase its services and solutions at booth #435 in the exhibit hall. For more information about the event, visit: www.SCM2013.com.

As a SAP global services partner, PwC works with SAP on companies' business transformation initiatives to help drive performance improvement throughout the extended enterprise and the supporting SAP environment. To learn more about PwC's SAP capabilities, visit: www.pwc.com/SAP.

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Financial News

3D Systems Reports 2012 Results

25 February 2013

[3D Systems](#) Corporation announced non-GAAP earnings of 39 cents per share for the fourth quarter of 2012 and GAAP earnings of 19 cents per share resulting in full year 2012 non-GAAP earnings of \$1.25

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and GAAP earnings of \$0.71.

The company reported that its fourth quarter revenue grew 45.4% from the prior year to \$101.6 million on a 93% surge in printers' and other products revenue and 18.8% organic growth. Stronger printer demand bolstered quarter-end backlog to \$11.4 million at year-end, a 23% sequential increase, which included \$3.2 million related to current printers' sales. Gross profit increased 60% and gross profit margin expanded 460 basis points to 51.7% contributing to non-GAAP net income improvement of 64% over the 2011 quarter.

For the full year 2012, revenue grew 53.5% to \$353.6 million, on 90% printers' and other products revenue increase and 22.4% organic growth. Gross profit increased 66.2% and gross profit margin expanded 390 basis points to 51.2%.

The company generated \$53.0 million of cash from operations in 2012, and ended the year with \$155.9 million of available cash, after incurring a \$46.5 million increase in its annual operating expenses primarily from increased sales, marketing and acquisitions costs. The increase included \$8.9 million of higher R&D expenditures in support of its expanded portfolio.

“We are very pleased to report outstanding quarterly and annual results on accelerated printers' sales,” said Avi Reichental, 3D Systems' President and Chief Executive Officer. “We believe that our results reflect the potency of our diversified portfolio, productivity of our channels and effectiveness of our strategic growth initiatives.”

To view an unabridged version of this press release, visit: <http://www.3dsystems.com/press-releases/3d-systems-reports-2012-results>

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Accelrys Announces Fourth Quarter and Full Year 2012 Results

26 February 2013

Accelrys, Inc. has reported financial results for the fiscal quarter and year ended December 31, 2012, including a 16% year-over-year increase in Non-GAAP revenue in the fourth quarter.

Non-GAAP revenue for the quarter ended December 31, 2012 increased \$6.7 million to \$47.5 million from \$40.8 million for the same quarter of the previous year, or an increase of 16%. Non-GAAP revenue for the year ended December 31, 2012 increased \$19.3 million to \$174.3 million from \$155.0 million for the year ended December 31, 2011, or an increase of 12%.

Non-GAAP net income was \$4.5 million, or \$0.08 per diluted share, for the quarter ended December 31, 2012 compared to non-GAAP net income of \$4.6 million, or \$0.08 per diluted share, for the same quarter of the previous year. Non-GAAP net income was \$19.6 million, or \$0.35 per diluted share, for

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the year ended December 31, 2012 compared to non-GAAP net income of \$19.0 million, or \$0.34 per diluted share, for the year ended December 31, 2011.

GAAP revenue for the quarter ended December 31, 2012 increased \$4.4 million to \$44.2 million from \$39.8 million for the same quarter of the previous year, or an increase of 11%. GAAP revenue for the year ended December 31, 2012 increased \$18.2 million to \$162.5 million from \$144.3 million for the year ended December 31, 2011, or an increase of 13%.

GAAP net loss was \$(8.2) million, or \$(0.15) per diluted share, for the quarter ended December 31, 2012 compared to GAAP net income of \$14.2 million, or \$0.25 per diluted share, for the same quarter of the previous year. GAAP net loss was \$(10.4) million, or \$(0.19) per diluted share, for the year ended December 31, 2012 compared to GAAP net income of \$1.8 million, or \$0.03 per diluted share, for the same period of the previous year.

"We are pleased with our performance in both 2012 and against the three-year plan we developed for our business following our 2010 merger with Symyx. We achieved both market momentum and acknowledgment of our position as the leading provider of scientific innovation lifecycle management software," said Max Carnecchia, President and CEO. "Performance in the fourth quarter of 2012 was strong as our revenues grew 16% over the prior year. In addition, we completed and are integrating three acquisitions key to our strategy of optimizing the lab-to-market value chain. We remain enthusiastic about the market opportunity in front of us and in our ability to continue to grow orders, revenue and profits both organically and inorganically in 2013."

To view an unabridged version of this press release, visit: <http://ir.accelrys.com/releasedetail.cfm?ReleaseID=743405>

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ANSYS, Inc. Reports Final Results for 2012: Record Revenue and Earnings for the Fourth Quarter and Fiscal Year 2012

28 February 2013

Highlights

- Fourth quarter GAAP revenue of \$220.7 million and non-GAAP revenue of \$224.5 million
- Fiscal year 2012 GAAP revenue of \$798.0 million and non-GAAP revenue of \$807.7 million
- Fourth quarter GAAP diluted EPS of \$0.59 and non-GAAP diluted EPS of \$0.79
- Fiscal year 2012 GAAP diluted EPS of \$2.14 and non-GAAP diluted EPS of \$2.91
- Operating cash flows of \$69.6 million for the fourth quarter and \$298.4 million for fiscal year 2012
- Fourth quarter and fiscal year 2012 GAAP operating profit margins of 37.0% and 36.9%, respectively, and non-GAAP operating profit margins of 49.3% and 50.1%, respectively

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- Repurchase of 500,000 shares in the fourth quarter and 1.5 million shares in FY 2012

ANSYS, Inc. reported fourth quarter and fiscal year 2012 results with total non-GAAP revenue up 11% as compared to Q4 2011, while non-GAAP net income increased 16%. 2012 non-GAAP revenue and net income increased 15% and 16%, respectively, as compared to 2011. Non-GAAP diluted earnings per share increased 16% for the quarter and 15% for 2012.

Commenting on the Company's fourth quarter and fiscal year 2012 performance, Jim Cashman, ANSYS president & CEO, stated, "We are excited to announce another record fourth quarter and year for ANSYS. Our results in 2012 fulfill our commitment to continue our long history of solid financial performance, in good times and bad. We achieved four consecutive record-breaking quarters for both non-GAAP revenue and EPS, coupled with a strong balance sheet and operating cash flows. Among the many notable highlights and contributors to our success in 2012 were: a successful year of combined operations and further integration with the ANSYS Apache team; the acquisition of Esterel, extending ANSYS' vision of Simulation Driven Product Development™ to encompass both hardware and software systems; the recent release of ANSYS® 14.5, with many new multiphysics capabilities that bolster product performance and integrity for ANSYS customers; and the continued expansion of our customer engagements with major accounts and across geographic regions and industries. We've seen in 2012 that we can achieve success through focus and discipline, despite the uncertainties of global economies and increasing regulation. We believe ANSYS enters 2013 with a solid foundation to continue to grow our business and to take advantage of the many opportunities that lie ahead — further solidifying our reputation as the global leader in engineering simulation software and outpacing our peer group."

To view an unabridged version of this press release,
visit: <http://anss.client.shareholder.com/releasedetail.cfm?ReleaseID=743963>

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Autodesk Reports Record Fourth Quarter Revenue

25 February 2013

[Autodesk, Inc.](#) reported financial results for the fourth quarter and full fiscal year ended January 31, 2013.

Fourth Quarter Fiscal 2013

- Revenue was \$607 million, an increase of 2 percent compared to the fourth quarter of fiscal 2012.
- GAAP operating margin was 14 percent, compared to 15 percent in the fourth quarter of fiscal 2012.
- Non-GAAP operating margin increased by approximately 140 basis points to 25 percent, compared with 24 percent in the fourth quarter of fiscal 2012. A reconciliation of GAAP to non-GAAP results is provided in the accompanying tables.

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- GAAP diluted earnings per share were \$0.32, compared to \$0.31 in the fourth quarter of fiscal 2012.
- Non-GAAP diluted earnings per share were \$0.53, compared to \$0.46 in the fourth quarter of fiscal 2012.
- Deferred revenue increased 16 percent to a record \$835 million, compared to the fourth quarter of fiscal 2012.
- Cash flow from operating activities was \$156 million, compared to \$175 million in the fourth quarter of fiscal 2012.

Fiscal 2013

- Revenue increased 4 percent to \$2.3 billion, compared to fiscal 2012.
- Record total billings and maintenance billings.
- GAAP operating margin decreased to 13 percent, compared to 16 percent in fiscal 2012.
- Non-GAAP operating margin increased approximately 135 basis points to 25 percent, compared to 24 percent in fiscal 2012.
- GAAP diluted earnings per share were \$1.07, compared to diluted earnings per share of \$1.22 in fiscal 2012.
- Non-GAAP diluted earnings per share were an historic high of \$1.94, compared to non-GAAP diluted earnings per share of \$1.74 in fiscal 2012.
- Cash flow from operations was \$559 million, a decrease of 3 percent compared to fiscal 2012.

"We are pleased with our stronger than expected fourth quarter results," said [Carl Bass](#), Autodesk president and CEO. "While the global economic picture remains mixed, we ended the year strong, driven by increasing demand for our design and creation suites, record revenue in our AEC and manufacturing business segments, and strong large deal volume.

"Our ongoing cost management measures, which we consider as simply running the business wisely, contributed to the delivery of meaningful non-GAAP operating margin improvement for the year," continued Bass. "We achieved record non-GAAP EPS despite a mixed economy and lower than expected revenue growth. We also made meaningful progress on our 360 family of cloud based products, which we believe positions us and our customers for success in the future. Looking forward to fiscal 2014, we are continuing to lead the industry in innovation and drive revenue and profitability growth."

To view an unabridged version of this press release, visit: <http://news.autodesk.com/news/autodesk/20130225006584/en/Autodesk-Reports-Record-Fourth-Quarter-Revenue>

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FARO Reports Fourth Quarter and Full Year 2012 Results

27 February 2013

FARO Technologies, Inc. announced results for the fourth quarter ended December 31, 2012. Sales in the fourth quarter of 2012 increased 4.7% to \$80.7 million, from \$77.1 million in the fourth quarter of 2011. The Company reported net income decreased to \$7.8 million, or \$0.46 per share, in the fourth quarter of 2012, from \$9.5 million, or \$0.56 per share, in the fourth quarter of 2011.

Fiscal 2012 sales were \$273.4 million, an increase of 7.6% compared to fiscal 2011 sales of \$254.2 million. Net income for fiscal 2012 was \$23.0 million compared to \$23.4 million in fiscal 2011. The decline in net income was attributable in part to legal fees of \$3.7 million in fiscal 2012, compared with \$1.3 million in 2011, associated with the FCPA Monitor and the Nikon Patent case, both of which were substantially and favorably resolved during 2012. Cash flow from operating activities for 2012 was \$27.9 million, compared to \$8.7 million in 2011.

New order bookings for the fourth quarter of 2012 were \$82.1 million, an increase of \$5.0 million, or 6.5%, compared to \$77.1 million in the fourth quarter of 2011. New order bookings for fiscal 2012 were \$276.2 million, an increase of 8.0% from \$255.7 million in fiscal 2011.

"Performance in the fourth quarter and for the full year was solid in light of the economic headwinds we faced in most of our end markets. Although customer interest was strong throughout the year and our new products were well received, deal closure rates were slower reflecting continued economic uncertainty," stated Jay Freeland, FARO's President & CEO.

Sales of the Focus Laser Scanner were particularly strong. Gross margins on this product are lower than the Company's other products primarily because of greater reliance on the distribution channel compared to the Company's other products. However, those sales involve minimal associated sales and marketing expenses. Overall gross margin for the fourth quarter of 2012 was 53.4%, compared to 56.5% in the fourth quarter of 2011.

The Company's operating margin for the fourth quarter decreased to 13.9%, compared to 16.7% in the fourth quarter of 2011 and included approximately \$0.4 million of professional fees related to the Company's patent litigation.

"Although our overall 2012 results were satisfactory, they did not meet our expectations. In 2013, we anticipate continuing market uncertainty. To address this and drive improved performance, we expect to continue to strengthen our product portfolio, increase sales coverage around the world, and tighten cost controls across the Company's operations," Freeland concluded.

To view an unabridged version of this press release, visit: <http://phoenix.corporate-ir.net/phoenix.zhtml?c=99722&p=irol-newsArticle&ID=1790120&highlight=>

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HP Reports First Quarter 2013 Results

21 February 2013

Highlights:

- First quarter non-GAAP diluted earnings per share of \$0.82, down 11% from the prior year, above previously provided outlook of \$0.68 to \$0.71
- First quarter GAAP diluted earnings per share of \$0.63, down 14% from the prior year, above previously provided outlook of \$0.34 to \$0.37 per share
- First quarter net revenue of \$28.4 billion, down 6% year over year and down 4% when adjusted for the effects of currency
- Cash flow from operations of \$2.6 billion, up 115% from the prior year
- Returned \$511 million in cash to shareholders in the form of dividends and share repurchases
- Improved company net debt position for the fourth consecutive quarter by over \$1 billion

HP announced financial results for its first fiscal quarter ended Jan. 31, 2013. First quarter GAAP diluted earnings per share (EPS) was \$0.63, down from \$0.73 in the prior-year period and above its previously provided outlook of \$0.34 to \$0.37 per share. First quarter non-GAAP diluted EPS was \$0.82, down from \$0.92 in the prior-year period and above its previously provided outlook of \$0.68 to \$0.71 per share. First quarter non-GAAP earnings information excludes after-tax costs of \$373 million, or \$0.19 per diluted share, related to the amortization of purchased intangible assets, restructuring charges and acquisition-related charges.

For the first quarter, net revenue of \$28.4 billion was down 6% year over year and down 4% when adjusted for the effects of currency.

The complete news release is available

at: <http://h30261.www3.hp.com/phoenix.zhtml?c=71087&p=irol-newsArticle&ID=1787709&highlight=>.

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Mentor Graphics Reports Fiscal Fourth Quarter Results

28 February 2013

Mentor Graphics Corporation announced financial results for the company's fiscal fourth quarter and year ended January 31, 2013. The company reported revenues of \$331.2 million, non-GAAP earnings

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per share of \$.58, and GAAP earnings per share of \$.49. For the full fiscal year, revenues were \$1,088.7 million, non-GAAP earnings per share were a record \$1.42, and GAAP earnings per share were \$1.17.

“The fourth quarter was our sixteenth quarter in a row of exceeding non-GAAP earnings guidance. It capped a year in which Mentor Graphics achieved all-time records in revenue, operating margin and non-GAAP earnings per share,” said Walden C. Rhines, chairman and CEO of Mentor Graphics. “Like our peers in EDA, we continue to benefit from semiconductor retooling requirements driven by advanced design activity. Also like some others in our industry, our business benefits from the growth of the market for system-level design, which is outpacing the market for chip design software.”

In fiscal year 2013 revenue grew 7.3 % while non-GAAP and GAAP earnings per share grew 26% and 58% respectively. Non-GAAP and GAAP operating margins for the year were all-time records at 19.3% and 14.8% respectively. For the full fiscal year, non-GAAP operating expense was up 2.0% and up 1.2% on a GAAP basis.

“The company delivered record operating results in fiscal 2013, primarily as a result of continued expense control,” said Gregory K. Hinckley, president of Mentor Graphics. “We solidly exceeded our non-GAAP operating margin target in fiscal 2013 and on a GAAP basis our margins are among the best in technical software. In recent years we have successfully balanced our investment in product and market development and the sales channel while delivering continuous improvement in operating results.”

During the fourth quarter the company announced two products related to printed circuit board design: the next-generation PADS® flow, with enhancements to interactive routing, improved usability and Chinese language support; and the newest release of the market-leading HyperLynx® product for high-speed design and analysis. Another announcement this quarter was the Tessent® JTAG solution, which allows designers to reuse existing test, monitoring and debugging logic embedded in IP blocks. With the new T3Ster® DynTIM Tester™ technology, the company launched a new method of measuring thermal characteristics of interface materials. The company also introduced a hardware emulation solution for testing ARM Cortex-A9 MPCore processor-based System-on-Chip (SoC) designs using Veloce® emulators.

During the quarter the company also announced that Tesla Motors has standardized on the Capital® toolset for their electrical systems design. India-based Mahindra & Mahindra Ltd. also standardized on the Capital products for design, engineering and analysis in their tractor and automotive divisions.

To view an unabridged version of this press release,
visit: http://www.mentor.com/company/news/upload/Q4FY2013-earnings_pdf

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Implementation Investments

CDS Catalog and CAD Download Solution Selected by Torque Transmission

27 February 2013

[CDS \(Catalog Data Solutions\)](#) announced that [Torque Transmission](#) has selected its SaaS Catalog and CAD download solution.

Ohio based Torque Transmission manufactures Right Angle Gearboxes, Speed Reducers, Timing Pulleys, Variable Speed Pulleys, Ball Thrust Bearings and Roller Chain Sprockets in standard and custom sizes. “Industrial product sourcing has changed greatly – designers are using the internet to research products as a first step, usually before speaking to potential suppliers. We needed to adjust to that change. We wanted to provide those designers with an easy to use online product catalog, allowing them to find the right product and CAD models easily and to quickly specify those products into their designs”, said John Rampe, President, Torque Transmission. “The [CDS Catalog](#) and [CDS ModelServer](#) allowed us to do just that. The CDS ModelServer has also allows us to more effectively use our website as a way to generate new qualified sales leads.”

“CDS is delighted to support Torque Transmission with our integrated CDS Catalog and CDS ModelServer solutions. Today almost 60 percent of purchasing decisions are made before talking to a sales representative. As such, our marketing and sales processes need to support and influence the way customers now work,” said John Major, CEO of Catalog Data Solutions. “Of the many types of online marketing content at our disposal, only one has been shown to lead to a sale nearly 50% of the time. CAD model downloads may be one of the most efficient and effective sales tools available.”

CDS helps grow sales and strengthen customer loyalty for its clients through interactive online catalogs, eCommerce, 3D CAD model delivery and product configurator solutions.

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CimatronE Saves Cutter Costs for US Mold Maker

28 February 2013

CimatronE has helped streamline operations at Kentucky-based Quality Tooling, tooling and engineering providers to some of the leading automotive and appliance OEMs and suppliers.

Quality Tooling became a Cimatron customer after looking for ways to maximize the speed at which its machines operated. In many cases, several runs were required to complete a project and costly cutters needed to be replaced often due to the multiple runs and inconsistent feed rates and chip loads.

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After a review of various CAD/CAM solutions on the market, Quality Tooling selected CimatronE as its software of choice. Since the business switched to CimatronE, the speed of production has more than doubled and cutters now last longer, resulting in significant cost savings.

Said Brian Alvey, Quality Tooling's Vice President: "Making the investment in Cimatron was a big move for us because we are a small company, but the investment was well worth it and has probably been one of the best we ever made. Whenever you go looking at what you are gaining, that investment is very minor because you will save thousands of dollars just in cutters alone."

"Cimatron keeps a fairly constant chip load and feed rate. Therefore, it maintains cutter sharpness. Parts are produced quicker because you don't have to go back and rerun things. If you cut one job in Cimatron, you may use two cutters. If you cut that same job with one of the lower-end software you may use eight cutters. That translates into major savings."

CimatronE has also provided Quality Tooling with a closed loop system to streamline the electrode process. Using the electrode templates saves programming time, and the simulation capabilities eliminate the need for double setups and the risk of electrodes hitting parts. If a change is made to the NC file, it automatically updates the electrodes, leaving less chance for error.

According to Alvey, the addition of CimatronE has brought in more repeat business, as customers have noticed that delivery times have improved: "We have to compete with the overseas market and anything we can do to make our products look better is important. Cimatron has helped us tremendously."

For more information on CimatronE, visit <http://www.cimatrone.com>.

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Daewoo Shipbuilding & Marine Engineering Company Limited Selects Intergraph® SmartPlant® Enterprise

27 February 2013

Daewoo Shipbuilding & Marine Engineering Company Limited has selected Intergraph® SmartPlant® Enterprise solutions for operations and maintenance data handover of the INPEX Ichthys LNG Project in Australia.

INPEX, operator of the Ichthys LNG Project, had chosen Korea-based DSME to construct a giant floating production, storage and offloading (FPSO) vessel, which is worth approximately US\$2 billion. INPEX specified the use of SmartPlant Enterprise solutions across all engineering disciplines for this project. DSME will implement Intergraph technology enterprise-wide, including SmartPlant Foundation, SmartPlant Instrumentation, SmartPlant Electrical, SmartPlant P&ID, SmartPlant Reference Data and

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Standard Database, for the engineering, procurement, manufacturing and construction of the FPSO. The integrated suite of SmartPlant Enterprise solutions will ensure consistency between design tools and enable DSME to provide accurate, high-quality engineering data to INPEX. SmartPlant Enterprise will also help to facilitate the data handover process for smoother operations and maintenance when the vessel is delivered to the operator.

Gerhard Sallinger, Intergraph Process, Power & Marine president, said, "Leading owner operators around the world are adopting and specifying the use of SmartPlant Enterprise solutions for their large-scale projects, which is testament to the strength and value of the SmartPlant Enterprise portfolio. INPEX and DSME's selection of our technology is validation of Intergraph's leadership position in the oil and gas industry, particularly in Asia-Pacific. The implementation of SmartPlant Enterprise for the Ichthys FPSO will deliver increased safety, quality and productivity to this complex project."

SmartPlant Enterprise offers a powerful portfolio of design and data management solutions, enabling companies in the process, power and marine industries to capture integrated engineering knowledge at the enterprise level for the competitive advantage needed in today's and tomorrow's market. SmartPlant Enterprise's integrated suite of solutions enables proven productivity gains, improving engineering efficiency by up to 30 percent.

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Grass Valley Selects Product Lifecycle Management Solution from Omnify Software

26 February 2013

[Omnify Software](#), a provider of Product Lifecycle Management (PLM) software for electronic, medical, mechanical, and defense manufacturers, today announces its latest [Omnify Empower PLM](#) implementation case study featuring [Grass Valley](#), a provider of video technology solutions.

As the video technology solutions company, Grass Valley knows what it takes to keep up with the fast pace of technology advancements, customer requirements and a global workforce. With an aging component database and a Product Data Management (PDM) system that eventually was announced End of Life (EOL) the company had to find a new way to support their complex product lifecycle requirements. Grass Valley needed a next generation solution to automate engineering change and Bill of Material (BOM) management as well as streamline their engineering and manufacturing processes.

A team comprised of Engineering and IT staff set out to find the ideal Product Lifecycle Management solution. "Besides the functional requirements, our main goals were to find an off-the-shelf solution that did not require customizations, was easy to use and offered a good price to performance ratio," stated Gerard Meijer, Manager of Digital Hardware and Layout for Grass Valley. "A few additional PLM requirements included out-of-the-box integration with our existing CAD tools from Mentor Graphics, bi-directional integration with our manufacturing systems and an internally developed engineering database, plus an easy to use and browser independent interface for the manufacturing floor. All possible solutions were compared on a score card and Omnify Empower PLM was the best possible solution for

us."

Grass Valley now has highly automated and integrated processes for ECR's (Engineering Change Requests) and CQ's (Component Qualifications). Empower PLM provides Grass Valley with the ability to easily search for information, view a complete hierarchical BOM list, and deliver automatic notifications on changes. The company is able to share pertinent development information across their entire enterprise by integrating Design, Manufacturing and the factory floor via Empower PLM. In addition, Grass Valley has opened the Empower PLM system to their Contract Manufacturer (CM). Their CM has full yet controlled access to product documentation, BOMs, and ECOs and is included in the automated process flows.

"We are seeing an increasing number of established, successful manufacturing customers like Grass Valley facing similar challenges with their internal and aging systems," stated David Whitney, Vice President of Strategic Sales for Omnify Software. "These companies need to adapt quickly to the changes and growth of their customers and products, yet their existing systems typically cannot provide the functionality or support to address this. Omnify Software offers a solution that is easy to transition to from legacy systems with the features these companies need for their constantly changing product development requirements."

For the complete case study visit: <http://www.omnifysoft.com/Customers/Success.aspx?customer=27>

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Mercury Engineering Selects Intergraph® CADWorx®

28 February 2013

Mercury Engineering, an international EPC company, has purchased more than 100 licenses of Intergraph® CADWorx® 2013 Plant Professional and maintenance. The company selected CADWorx software to create its project deliverables for the next generation of faster and more powerful microchips being developed.

Intergraph CADWorx Plant Professional will help Mercury Engineering deliver intricate pipework and the highly complex user defined components that are required for clean room technology. Total accuracy is essential for the tens of thousands of isometric drawings required for fabrication. Due to space limitations, and the need of extreme accuracy, the pipework will be shop fabricated and then erected on site where it will need to fit first time to avoid expensive field-fit rework. CADWorx Plant Professional will also be used to deliver heating, ventilation and air conditioning (HVAC) fabrication drawings.

Intergraph CADWorx Plant Professional was Mercury Engineering's preferred solution over market competitors. A key element in CADWorx selection was the inclusion of Alias ISOGEN®, the solution for total automation of piping isometric drawing production, and particularly the tool's ability to handle

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field welds. CADWorx database links were also important as Mercury Engineering intends to import and export data to link with its existing procurement infrastructure.

Gerhard Sallinger, Intergraph Process, Power & Marine President, said, "I am very pleased that Mercury saw value in our solutions for them and their customers, in their decision to implement CADWorx 2013 Plant Professional. The win is also important from a regional perspective as it will certainly open up further opportunities. This is a significant strategic gain for Intergraph and will strongly establish the global involvement of CADWorx in clean room design."

Because CADWorx models are AutoCAD® based, they offer flexibility and collaboration capabilities. Intergraph CADWorx has powerful and intuitive structural steel and equipment modelling functionality, incorporated to provide the most complete plant design solution available. Intergraph CADWorx Plant Professional includes the most complete range of tools for efficient plant design. CADWorx Plant Professional allows for quick and easy creation of fully intelligent 3D plant models.

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Systeme U Selects Product Lifecycle Management System From Centric Software

25 February 2013

France's Systeme U has selected Centric Software, Inc., for its [product lifecycle management \(PLM\) system](#).

The retailers' cooperative, with more than 1,500 markets and stores, will implement the Calendar Management, Product Sourcing, Product Specification and Quality Management modules of the Centric [8PLM system for retail, apparel, footwear and consumer goods](#) companies. Systeme U will use the Centric suite to manage product development of its accessories, footwear, juvenile products and home linens collections, as well as women's, men's and children's apparel lines.

"With Centric 8 PLM software, Systeme U will be able to manage the growth of its private-label apparel lines," says Yohann Boisdrion, merchandise applications director of Systeme U. "With everyone using one version of 'the truth' about the product, and working on the same page, Systeme U can increase efficiency of the product development process, speed time to market and improve product traceability."

Systeme U will be able to easily save and track all fit session data with the Centric 8 Quality Management module, explains Boisdrion. In addition, the PLM system will provide easy-to-access data from external contractors on material and final-product quality.

Flexibility and configurability factored heavily into the Centric PLM choice, says Boisdrion. With the fast growth of Systeme U's apparel division, in particular, comes the need for system adjustments. "With Centric's PLM system, there is no need to customize," he says. "Instead, configuring for Systeme

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U's individual needs is simple and fast." In addition, Boisdron cites Centric 8's ease of use, which facilitates user adoption.

"The Centric 8 PLM system will directly help Système U in its efforts to increase efficiency and productivity," says Chris Groves, president and CEO of Centric. The configurable—vs. customizable—nature of the Centric software, and Centric's unique [Agile Deployment\(SM\)](#) implementation methodology, will help Système U dramatically as it continues to grow its private-label lines at a rapid pace, he adds. "Système U's selection of Centric 8 PLM, like other recent wins at leading retailers including TALLY WEiJL, demonstrates that Centric has become the go-to PLM vendor for large-scale, global retailers with hundreds or thousands of stores."

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University of Houston Selects AVEVA Software

26 February 2013

AVEVA announced today that the Viewpoint Americas User Group (Viewpoint) has donated funds to the University of Houston. The money will be used to further support the use of AVEVA software on projects to train College of Technology students in the use of AVEVA PDMS for the process plant industry. AVEVA PDMS will be introduced to students as part of a Bachelor of Science degree in Mechanical Engineering Technology. The course will cover the use of AVEVA PDMS as part of an integrated engineering process and culminates in the assembly of a stabilizer system. AVEVA will extend its own support to the program by offering training to the faculty and teaching assistants.

"The degree in Mechanical Engineering Technology has almost 500 undergraduate majors and is the largest program in the College of Technology," said Raresh Pascali, Instructional Associate Professor, Department of Engineering Technology, University of Houston. "Prior to first offering the course in 2007, we looked at different 3D design software and selected AVEVA PDMS based on a number of technical and commercial considerations, including its dominant position in the offshore industry and the fact that the software has its own embedded database. Our course offering is unique as we are educating students who will be hired predominately as AVEVA PDMS engineers. We would like to thank the Viewpoint Americas User Group for this kind donation and AVEVA for its continued support."

"Following Viewpoint's closing it was decided that the remaining funds be donated for the on-going development of the industry", said Mark Bush, former Viewpoint Americas Chairman and Information Manager, OpAmp. "I speak on behalf of the former members who are delighted to donate our remaining funds to the University of Houston to further its degree program in Mechanical Engineering Technology. This is a great example of current PDMS users giving something back to the industry by investing in the users of the future."

"In the last 10 years, over 80% of the largest production facilities in the North Sea and the Gulf of Mexico were designed using AVEVA technology," commented William Muldoon, Executive Vice

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President - North America, AVEVA. "AVEVA's reputation and track record in the process plant and offshore industries is extremely strong and we're confident that the skills gained by the students will support both the industry and their own personal career ambitions. We are very pleased that Viewpoint was able to provide this generous donation of AVEVA PDMS software and are proud to support the University of Houston through our training program."

Viewpoint Americas User Group (Viewpoint) was set up in the 1980's as the PDMS User Group of Americas (PUGA). With CADCentre's rebrand to AVEVA and the addition of more AVEVA products the group became known as Viewpoint. Following the groups success of providing feedback on new AVEVA products, it was handed over to AVEVA, who now run a series of User Meetings, the last taking place in New Orleans in November 2012.

The College of Technology is fourth largest college at the University of Houston. The University has over 40,000 students and is the only Tier One public University located in Houston, the Energy Capital of the World.

To learn more visit www.aveva.com/academic.

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Product News

Altair Continues to Extend Casting Solution Options, Adding Quantech ATZ to Partner Alliance

27 February 2013

[Altair](#) continues to narrow the casting simulation gap with its announcement today that [Quantech ATZ](#) has joined the [Altair Partner Alliance](#). Quantech ATZ's Click2Cast allows for simple and quick casting simulation and is now available by download to all eligible HyperWorks users through the partner program.

Click2Cast offers one of the easiest casting process simulation on the market, within an innovative and user-friendly interface. The software requires no special training and does not require the user to have an extensive technical background. Yet, it is a very effective, powerful tool, with possible applications in a wide variety of industries, such as mold-making, automotive, naval, aerospace, train, electrical-appliance, furniture and casting industries. It now serves as a valuable asset to the Partner Alliance and to product development in general.

"It is our pleasure to welcome Quantech to the Altair Partner Alliance," said Altair Director of Industry Solutions Dr. Subir Roy. "Click2Cast is quite an amazing product for casting simulation when it comes to simplicity and ease of use, compared to the valuable information it provides. It puts simulation at the fingertips of designers and engineers to assess and improve product quality and manufacturability with very few intuitive button clicks."

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Click2Cast brings many benefits to the Partner Alliance by extending the casting solution offering within the program. In addition to its ease of use, Click2Cast provides an intuitive user experience. The user is able to perform a straightforward and quick mold filling and solidification simulation to enhance and optimize manufactured components through five simple steps:

1. Open the file in stereolithography (STL) format
2. Define the in-gate and mesh
3. Set up the process parameters
4. Run the calculation
5. Analyze the results

All the while it helps foundry engineers and other users avoid typical casting defects, such as air entrapment, porosity and cold shots, among others. Click2Cast uses a revolutionary mesh generator to allow the user the ability to import STL files and quickly prepare the model for simulation, avoiding the usual setbacks of geometry repair.

"Quantech is very eager to start work with Altair and the Partner Alliance," said Martin Solinas, general manager for Click2Cast. "Click2Cast is a great value for any size company, since its technical complexity is low, meaning no training is required, nor is it necessary to hire new, qualified staff to run the software. It simplifies the complex simulation process to five steps to perform any necessary casting simulations, starting with uploading the STL file and ending with analyzing the results."

Available for the last twelve years, Altair's innovative unit-based licensing system allows HyperWorks users customizable access to a growing portfolio of applications while optimizing their return on investment (ROI). Every license is composed of a pool of recyclable HyperWorks units (HWUs), which can be used to access any application within the HyperWorks family.

After witnessing this original licensing model's success, Altair has offered the opportunity for third-party companies to run their own applications under this unit-based system, a collaboration known as the Altair Partner Alliance. The overall flexibility of these HWUs empowers users and allows them access to the largest and most complete suite of CAE applications available, making the benefits to participating HyperWorks customers infinite. The ROI increases for users each time a new application is added to the offering, since any of the partner programs can be accessed using the same leased HWUs they are already using to run HyperWorks. This makes more than 50 additional applications available at no incremental cost or long-term commitment.

HyperWorks users can download Click2Cast at www.altairalliance.com/quantech. To learn more about Click2Cast, please attend one of the introductory webinars, being held on [March 13, 2013](#), at 9am and 1pm ET. These webinars will be hosted by Altair and presented by Quantech.

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Altair Expands Capabilities for Cluster Management with PBS Professional Connector for HP Insight CMU

26 February 2013

[Altair](#) today announced availability of a connector that more deeply integrates its leading workload management product, [PBS Professional](#), with the HP Insight Cluster Management Utility (CMU) for cluster lifecycle management.

Altair has accomplished this integration using a "connector" that furnishes seamless integration and provides the administrator an interface to automate 80 percent or more of the administrator's tasks. The [CMU PBS Professional Connector](#) simplifies cluster deployment and automates the most common tasks for managing a PBS Professional cluster via CMU.

"With the CMU PBS Professional Connector, cluster administrators have a much easier way to monitor and manage cluster nodes and jobs," said Bill Nitzberg, chief technology officer for PBS Works at Altair. This important integration automates the most common cluster administration tasks so system administrators can spend as much time as possible on higher-value aspects of managing their HPC resources."

The HP Insight CMU is an efficient and robust hyperscale framework for cluster lifecycle management and offers a suite of tools for large Linux clusters such as those found in high performance computing (HPC) environments. A simple graphical user interface (GUI) enables an "at-a-glance" view of the entire cluster across multiple metrics, provides frictionless scalable remote management and analysis, and allows rapid provisioning of software to all the nodes of the system. Insight CMU makes the management of a cluster more user friendly, efficient, and error free than if it were being managed by scripts, or on a node-by-node basis.

"High performance computing environments need a unique set of management tools that offer ultra-scalability and simplicity," said Scott Misage, director, Hyperscale Computing, HP. "The CMU PBS Professional Connector augments the benefits of HP Insight with an easy- to-use approach for managing cluster workloads that is easy to access, efficient and error-free."

Features of the CMU PBS Professional Connector include:

- **Dynamic creation of node groups** in the CMU GUI when jobs are executed, so administrators and users easily can see utilization and performance metrics related to all nodes where a certain job is running
- **Dynamic OS provisioning** based on workload in queues, with automatic GUI updates, so PBS Professional can comprehend all existing OS images that can be provisioned on nodes
- **Integrated PBS menus in CMU GUI** for registering nodes, onlining/offlining (or "draining") nodes, enabling OS provisioning, deleting jobs and much more
- **Easy access to data** on jobs and reservations, including which jobs are running, suspended or

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check-pointed on nodes

- **Automatic network topology configuration** so PBS can optimally place jobs on appropriate network entities
- **Maintenance mode support** allowing administrators to move "bad" nodes into maintenance mode for troubleshooting without competing with users' jobs
- **One-click access to online resources**, including PBS Professional documentation, user forums and support

Using the HP Insight CMU with the CMU PBS Professional Connector simplifies management of clusters by automating numerous manual tasks and providing easier access to important utilization and performance metrics, as well as improved access to job data. The CMU PBS Professional Connector optimizes job placement via automatic topology configuration and provides one-click access to support resources, such as PBS Professional user forums and documentation. The Connector is simple to install and easily extensible for site-specific customizations.

The CMU PBS Professional Connector can be downloaded here: www.pbsworks.com/cmupbsconnector/

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BricsCAD Adds Seamless Access to the Cloud-based Chapoo Collaboration Service

27 February 2013

Chapoo®, provider of a cloud-based project information and collaboration platform, and Bricsys, a global provider of dwg engineering design software brought to market under the BricsCAD® brand, today announced that the upcoming point release of the BricsCAD software platform will allow users to seamlessly upload, download and store designs on the cloud-based Chapoo collaboration service.

“Many of our customers, especially in the Construction and Building Management industries, require their draftsmen and engineers to collaborate on their designs with an extended network of partners both inside and outside their own companies,” said Erik De Keyser, Bricsys CEO. “Through this technology partnership we provide our customers with seamless built-in access to one of the premier cloud-based collaboration platforms in Europe.”

New features incorporated in this point release for both the Windows and Linux versions of BricsCAD V13 include:

- Open a .dwg design from one of your projects on the Chapoo service
- Download a .dwg design from your Chapoo project
- Upload a .dwg design to your Chapoo project

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.dwg designs can be transparently stored on and accessed from the Chapoo service with or without dependent (xrefs, images, etc.) files.

Chapoo, provider of the Chapoo Free and Chapoo Premium cloud-based collaboration services, was spun-off from Bricsys in 2012 and now operates as an independent company.

“With thousands of users in the AEC industry, Chapoo has proven itself as a rock solid cloud solution for project collaboration,” said Mark Van Den Bergh, Chapoo COO. “Operating as a newly independent company, we are looking forward to establish similar technology relationships with other software vendors whose users can benefit from transparent access to our SaaS collaboration service.”

As a cloud-based service, customers can start to use the Chapoo service through a simple web browser, without the need to acquire hardware, configure software or worry about updates or backups. Project data and documents are accessible from anywhere and by anyone, but of course under secure role-based access control by the project administrator.

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CyberCity 3D Launches Exclusive 3D Building Library for Autodesk Users

28 February 2013

CyberCity 3D, Inc. today launched a new service on its website for users of Autodesk software, such as Autodesk Infrastructure Modeler for engineers and planning professionals, which provides high-resolution, off-the-shelf 3D city models. The new CyberCity 3D Library for Autodesk Users is the first of its kind, in that it gives Autodesk users access to detailed 3D building data, enabling them to expand the content and context of their urban infrastructure projects. In effect, the new service provides a much-needed link in the chain to bring Building Information Modeling (BIM) and Geospatial worlds together.

"With this new service from CyberCity 3D, combined with our BIM for Infrastructure solutions, such as Autodesk Infrastructure Modeler, designers and planners can effectively and efficiently conceptualize and model infrastructure in the context of the real world," stated Justin Lokitz, Autodesk Senior Product Manager Infrastructure & Collaboration Products.

“Today’s urban planners now have tools at their disposal that vastly improve their ability to address the challenges faced in communicating their vision of renewal and sustainability plans effectively and authoritatively in 3D,” explained Kevin DeVito, CEO of CyberCity 3D, Inc. “Our city model buildings, up to six inches accurate, are derived from aerial imagery and deliver a real value to those depending on detail.”

The new CyberCity 3D Library for Autodesk Users is designed to provide easy access to rich 3D building data to users of Autodesk Infrastructure Design Suite 2013. Targeted users of the new service

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will comprise architectural and civil engineering professionals.

This new CyberCity 3D library encompasses seven hundred-sixty square kilometers, with more than 500,000 measured buildings and detailed roof geometry, including pitch. Several cities including San Francisco, Washington D.C., Hollywood, CA and Paris, France are offered in their entirety. Other cities, such as Boston, Philadelphia, Seattle and Charlotte cover downtown urban centers. In total, the CyberCity 3D Library for Autodesk Users includes 21 cities today, with plans to add more.

In addition, the Autodesk Users library's website page will offer production services for areas not currently covered by its current off-the-shelf library. As a result, Autodesk users can access accurate 3D content globally. The 3D buildings available within the library can be purchased by the square kilometer by any Autodesk software user. Complete pricing options are available at the Library's website.

The CyberCity 3D Library for Autodesk Users complements CyberCity 3D's current, burgeoning GIS Cities Library, the largest of its kind, featuring more than 60 cities in the U.S. and abroad with 14 multiple data fields derived from photogrammetry. CyberCity 3D can create buildings literally anywhere in the world from stereo imagery including aerial, satellite, and oblique photography. These models are available in multiple file formats.

The Company also is unique in its ability to calculate a wide range of automated measurements including line-of-site, building footprint locations, complete roof details, slope, solar azimuth, surface area, solar resource profiles, hydrodynamics and storm water data.

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Delcam Upgrades PartMaker Modeling

25 February 2013

Delcam's PartMaker Division has released PartMaker Modeling 2013, the new version of its 3D CAD for CAM application that provides users with the ability to create 3D solid models from scratch as well as to repair and modify 3D engineering data of any origin.

PartMaker Modeling is the most powerful 3D CAD system available alongside a production-oriented CAM product on the market today. The 2013 release features a host of new productivity enhancements, including a number of new features that make it even easier to use as well as enhancements to its unique "Direct Modeling" technology.

One of the most important new features in PartMaker Modeling 2013 is the ability to rewind the solid history tree of a model to any position using a graphical slider. Edits can then be made, either by applying the Solid Doctor to repair problematic data or by using the full range of direct modelling tools in PartMaker Modeling 2013, without losing the history of the model. Once the required edits have been

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completed, the rewind point can be moved or deleted; the complete solid history is then re-built automatically.

There have also been a variety of changes made to PartMaker Modeling 2013 to make it even easier to use. For example, the command input box is now more boldly featured in the user interface, which will make it easier for new users to come up to speed faster. Additionally, new work planes can be more easily snapped to existing solid faces. This makes adding new solid features to "dumb" solid models even easier. Solid features can also now be grouped, to create more organized, easy to manage feature trees.

Another change that will also save significant amounts of time is that clicking the right mouse button now has the same effect as pressing "Apply" or "OK" on all forms. This is particularly useful when carrying out repetitive tasks such as filleting around a complex model. The user can now select each edge to be filleted, click the right mouse button and then move on to the next edge. Similarly, a series of holes can be created more quickly just by selecting the desired position and clicking the right button for each hole.

A more flexible replace-face option now allows faces of one solid to be replaced with faces from a separate solid, while new hole types allow faster creation of holes for standard cap-head screws and bolts. Additionally, the power and flexibility of chamfering in both 2D and 3D have been much improved in PartMaker Modeling 2013.

In addition, the Solid Doctor has been made more flexible with the ability to relax or tighten the linking tolerances on specific edges. This is important for subsequent modelling as tolerance issues can affect the reliability of Boolean operations.

PartMaker Modeling 2013 also includes a powerful new 'nesting' functionality, for performing automatic nesting of 2D shapes.

"With greater engineering demands being placed on customers, offering PartMaker users a complete production machining engineering platform, all supported by the same company, is paramount in allowing our users to stay ahead," says PartMaker Division President, Hanan Fishman. "The improvements made in PartMaker Modeling 2013 will further help PartMaker users needing to work with or create 3D engineering data continue not only to survive, but thrive."

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ESI Launches Its Customer Portal "myESI"

22 February 2013

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[ESI Group](#) announces the launch of its web-based [customer portal](#). Dedicated to ESI licensed users in the field of Virtual Manufacturing, the portal delivers valuable content directly to the end-user and enables two-way communication between ESI and its customers.

Accessible 24/7 online at myesi.esi-group.com, ESI's customer portal provides instant access to a wide range of documentation downloads, training information, and also tips & tricks that provide added value for members of the ESI community and enables them to gain efficiency in their software usage. Today the portal features content dedicated to ESI's Virtual Manufacturing applications, including: the [Casting Simulation Suite - ProCAST](#) and [QuikCAST](#); the [Sheet Metal Forming Simulation Suite - PAM-STAMP 2G](#); and, the [Welding & Assembly Simulation Suite](#). ESI support teams are working on rolling out this portal for other ESI software solutions and adding new features for collaboration and information sharing.

After securely logging into the portal, ESI customers have immediate access to release notes and Flexnet license toolkits. The portal's advanced search tool enables searching for information by keyword, trade or product name; allowing fast and easy access to resources and providing a welcome relief from hunting for information through complex website architectures.

ESI support teams have created a dedicated Tips & Tricks section that provides short technical articles on how to solve common problems instantly. When facing issues related to a specific task, users can go directly to this section and find answers in minutes; searching for guidance by trade or product name, user rating, most viewed articles and keywords.

“ESI's Support Teams around the world contribute daily to the success of our customers' industrial projects. Now, with myESI, our customers can access valuable information 24/7. We hope that by leveraging ESI's knowledge of best practices online, we can help our customers speed up their Virtual Product Engineering processes and find the right answers to their challenges at the right time,” says Hervé Charlier, Customer Support Director, ESI Group.

Other benefits of myESI include easy access to ESI's global calendar of upcoming training courses, and online registration for such events.

For more info, please visit <https://myesi.esi-group.co/>

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Eurostep Announce Share-A-space 7.5

22 February 2013

Eurostep announce Share-A-space® 7.5

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"Users will benefit from this release through easier integration with systems internal and external to an organization using the new task orchestrator", says Magnus Färneland, Director Software Products Eurostep. "Such systems are typically PLM, ERP, Technical Documentation, Product Support and software for Systems Engineering. In addition the 7.5 release features improved performance, enhanced security and easier administration. The improved performance makes it feasible to manage large volumes of data and we have customers with more than one million serial numbered parts in the Share-A-space® database", says Magnus Färneland.

"Developers will benefit from new features in Share-A-space® 7.5 with lots of improvements like simplified management of UI customizations, support for Visual Studio 2012 and .NET 4.5, together with an extended search engine that allows the design of customized pattern searches", ends Mr Färneland.

"With this release Eurostep continue to make standards like STEP and PLCS easy to use in business critical applications", says Håkan Kårdén, CEO Eurostep Group. "By using the Microsoft platform we continue to demonstrate our commitment to deliver on a platform with low cost of ownership and ease of use at user and enterprise level", ends Mr Kårdén.

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Mech-Q CAD Engineering Software - Releases New Server Version

26 February 2013

A new Mech-Q network version was recently released which allows AutoCAD® users to run the engineering software locally on each workstation. In addition, a central server controls the site-wide licensing.

Mech-Q is a full featured AutoCAD® add-on which includes four major engineering modules all included 2D and 3D drafting routines. These include:

- Mechanical (Nuts, Bolts, Material Handling and more)
- Piping (3D, ISO, Dbl., Single, P&ID and more)
- Ducting (3D, 2D, Rectangular Round and more)
- Structural (Steel Shapes, Detailing ,Stairs and more)

The main advantage of the new version is the speed at which the tools load into AutoCAD® and all its supported vertical applications. Previously, Mech-Q network versions required the entire engineering software modules to reside on the server. Now, only a license manager is required to be installed on the server.

The installation requires two setup files - Firstly the license manager is installed on the Server and secondly the core files (approx. 8MB) are installed on each workstation. The new Mech-A network

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version offers improved speed and added versatility for larger firms.

Victor Abela, President at CADavenue.com, explains "The new Mech-Q server release is something we've been working hard on to complete for 2013. It will allow offices with even hundreds of workstations to access our tools at impressive speeds."

The U.S. based CAD engineering software company showcases complete programs and Add-ons for various applications such as AutoCAD® and IntelliCAD. Recently CADavenue announced AViCAD, a new Alternative for engineers using either AutoCAD® and AutoCAD® LT.

The US based website features both Mech-Q and a standalone CAD application called AViCAD. Various modules are also offered which include Piping, Ducting, Structural and Mechanical utilities.

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Nuage Releases CaféBiz, The Company's Solution for Social Business Collaboration with Integrated Document Routing

28 February 2013

Nuage, a provider of Social Business Collaboration solutions, announced the release of CaféBiz, the company's business solution for document sharing with integrated document routing in a social computing environment.

Designed to streamline the document and knowledge sharing process and improve collaborative efforts amongst organizational teams, CaféBiz is the next go-to solution for generating business efficiencies both within organizations and with external business partners. Built on the Nuage Café chassis, users have access to all the benefits currently offered via Nuage Café plus the added capabilities of document routing. Product features include:

- **Check-In/Check-out** – Unlike other document sharing tools on the market, Nuage Café allows users to check-in and check-out documents so revisions can easily be made without conflicting content from one user to the next.
- **Versioning** – Every time a document is checked in, the version number is incremented. Users also have the ability to access and download previous versions of the document.
- **Collaboration Portal** – Collaborate on a platform that functions like social media tools, so you can feel at home with work and optimize performance.
- **Chat** – Chat in real time with colleagues for on-the-spot collaborative results.
- **Document Routing** – Bring order to the chaos of email document sharing with CaféBiz's integrated routing solution.
 - Create and save routing lists that include any mix of approval, review, and "FYI" tasks for individuals and groups
 - Assign due dates to each entry in a routing list

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- Optionally give others permission to use any routing list
- Allow authorized users to attach a routing list to any document or folder of documents and initiate the routing
- View the state of in-process routings
- Audit the history of completed routings
- Automatically notify participants when it is their turn in the routing and when action is overdue
- Keep involved parties automatically up-to-date about progress, overdue requests, and completion of each routing

CaféBiz is available to consumers by subscription for a monthly fee of \$30 USD per user. An annual subscription is also available for \$330 USD per user. Through March 31, 2013 Nuage is offering the following limited time product release promotions, which in addition to lower pricing, include an extra 2GB of storage space for a total of 4GB:

- Monthly – \$19.99 USD per month per subscribed user (for the first three (3) months of subscription)
- Annual – \$219.89 USD for 12 months per subscribed user (for the first year of subscription)

To subscribe, visit www.nuage-cafe.com and join the Nuage Café community free of charge. Then, click ‘Settings’ and select the ‘Subscription’ option to upgrade to a CaféBiz account. If you’re already a Nuage Café member, simply go to your settings and select the ‘Subscription’ option to upgrade.

“CaféBiz is the perfect solution for businesses that are unable or unwilling to invest in traditional, high-cost solutions for collaboration and document routing capabilities,” said Nuage CEO, Chris Atkins. “With the subscription model, our new product not only meets demand for a lower price point, but is also a strong solution for enhancing document sharing processes. The value is not only in the added document routing capability, which brings order to the mayhem of more undeveloped approaches to document review and approval, but also in being able to use social computing to share business files and collaborate all in one convenient location that can be accessed anytime, anywhere.”

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Pinnacle Series Announces Personal Edition of Autodesk Training and Support

27 February 2013

Eagle Point Software Corporation, an Autodesk AEC Industry Partner, announced the release of the [Personal Edition](#) of its Pinnacle Series. Pinnacle Series helps firms get productive with their use of Autodesk products by delivering multiple implementation, training and support resources in a single interface. Through a combination of software and services, design professionals access onscreen Workflow, Cheat Sheet & Video content, and receive unlimited Live Training and Technical Support.

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The Personal Edition is a cloud-hosted version of our popular Pinnacle Series," explains Brad Heil, Vice President of Products & Services at Eagle Point. "We've been helping thousands of design professionals over the past 5 years use Autodesk software with our Business Edition of Pinnacle Series and now offer single seat licenses, ideally suited for small firms. Because the Personal Edition leverages a cloud infrastructure, businesses can be up and running in just minutes with no additional IT costs. Plus, people can easily use the Personal Edition at home to learn more about AutoCAD Civil 3D and Autodesk Revit when it's more convenient for them."

The Personal Edition of Pinnacle Series includes the following resources:

- Interactive Workflows that guide people through proper command use and task sequence.
- Cheat Sheets that convey short tips & tricks or troubleshooting steps.
- Over 150 (50+ hours) How-to and Recorded Training Class Videos for each discipline.
- Unlimited access to Live, Expert-Led, 1-hour virtual Training Classes (Basic and Advanced topics).
- Unlimited access to Eagle Point Expert Technical Support through chat, email and telephone.
- Peer Chat mechanism lets people ask for help from the community of all Pinnacle Series users.
- A robust Search engine that presents relevant results across all Pinnacle Series content.

These resources help users become more productive with popular Autodesk products including:

- AutoCAD
- AutoCAD Civil 3D
- AutoCAD Map
- Autodesk Storm & Sanitary Analysis
- Autodesk Revit Architecture
- Autodesk Revit MEP
- Autodesk Revit Structure
- Autodesk Navisworks
- Autodesk 3ds Max Design
- Autodesk Design Review

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Redsdk Bridge for Parasolid: A Ready to Use Connection between Parasolid and Redsdk

28 February 2013

Redsdk Bridge for Parasolid is an interface available free of charge to Independent Software Vendors (ISVs) who license [Parasolid®](#) from Siemens PLM Software and [Redsdk](#) from Redway3d, enabling a seamless connection between the two technologies in customer applications. The source code for

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Redsdk Bridge for Parasolid is delivered without copyright and can be freely developed and distributed by ISVs.

Full viewer example included

Redsdk Bridge for Parasolid comes with a cross-platform viewer, which enables the opening, visualization and the picking and selection of all Parasolid models in an interactive way. The viewer also enables users to save a Parasolid model as a ".red" file, which is the native file format of Redsdk.

Use of the ".red" file format is not required to benefit from Redsdk, but since the format enables both high compression and multi-threaded loading of data, many Redsdk customers choose to integrate it as their application's native file format, or as a subset of the format.

The ".red" file format also enables Redsdk programmers to interact with Parasolid data through the Redsdk utilities, in order to set up materials and photo-realistic renderings, as shown in the video opposite.

Complete source code available at no cost

In order to accelerate the integration of Parasolid and Redsdk, the complete source code of the viewer is delivered to programmers free of charge, with no restrictions regarding its use. Redsdk and Parasolid customers can therefore easily integrate the viewer source code into their own application as the basis for their software viewport, modifying the behavior of the viewer as required.

How to request an evaluation

If you are not a Parasolid customer already, you can request a Parasolid evaluation on the [Siemens PLM website](#). The Redway3d products (Redsdk, Redsdk Bridge for Parasolid, etc.) can be requested on the [evaluation page](#).

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Visure Solutions Streamlines Its Requirements Lifecycle Management

26 February 2013

Visure Solutions announced the release of its requirements definition and management solution, Visure Requirements 4.5. Designed to maximize analysis and team efficiency, Visure Requirements 4.5 delivers a simplified interface and process architecture that streamlines requirements capture, analysis and management, giving project teams faster, more powerful requirements engineering tools for product development.

To provide development flexibility, Visure Requirements 4.5 forms the process backbone, managing all requirements-related information in a way that mirrors how the information flows and interacts in product development. Any requirements-related information—whether requirements of different levels,

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test cases, use cases, etc.—can be configured, related and analyzed based on process needs. With all information stored in one location, the Visure Requirements 4.5 user experience is much improved, faster, and easier to use.

Visure Requirements 4.5 maximizes requirements management productivity by ensuring that the most used, most needed functionality is readily and easily available in a simplified interface that improves clarity and reduces the chance of human error. To extend this efficiency further, the new version also simplifies complex project structures through templates that development teams can use to set attribute values, block assignments and simplify tags.

Companies seeking compliance, whether for [automotive](#) (ISO 26262, Automotive SPICE), [medical](#) (IEC 62304), [avionics](#) ([DO-178B/C](#), DO-278A), rail (EN 50128) or industrial safety (IEC 61508), energy (IEC 60880), [defense](#) (DO-254), can use the templates to define requirements standards and reuse the template across teams and product lines. In this way, Visure Requirements helps standardize and enforce defined processes, formalizing a common requirements specification structure across an organization and its supply chain even when teams are geographically separated.

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vueCAD® – Professional CAD Viewer for the iPad – Version 4.5 is now Available in the Apple App Store

25 February 2013

Mobile CAD Inc. announces the release of vueCAD® – the professional CAD viewer for the iPad – version 4.5 is now available in the Apple App Store.

Control the 3D model with a finger – zoom, pan, rotate and explode. Explore an assembly with tree view and turn on/off subassemblies and parts. Extract dimensions with measure. Slice or section a part to see its internals. Instantly change the background, transparency, textures, and drawing colors, then markup and share a screenshot immediately via email. Turn on the camera to view your design in the real world or change the render engine to see blueprint-style with hidden line. Build your own custom mobile solution using the vueCAD® engine.

vueCAD® supports all major mesh formats including STL, PLY, OBJ, Blender, Collada and many of the Autodesk formats. Available as in-app purchases, users can add support for STEP, JT, IGES, SolidWorks, Catia V5 / V4 / CGR, Unigraphics, Pro/E, Autodesk Inventor, SolidEdge, VDA, ACIS and Parasolids.

New in version 4.5 is support for assemblies, a tree view for visibility control, new functionality for sectioning, and an extraordinary, new render engine with the ability to show blueprint-style with hidden line and cartoon or cell shading. Additional render styles will be included in future releases.

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More than model visualization, vueCAD is a mobile CAD platform for building custom solutions. Filip Peters, CTO for Mobile CAD Inc. states, "We have built a mobile CAD engine to maintain the CAD history, CAD objects and CAD properties on the mobile device. More than a viewer, vueCAD has been used as a platform to create all sorts of custom mobile solutions that require CAD data at the core. From mobile sales tools to laser control systems, any mobile application that requires CAD can be built on top of vueCAD."

Frank Ruotolo, president of Mobile CAD Inc. gives a brief history of the company's path, "Five years ago, we set out to solve a specific problem, a Metrology problem, how to evaluate errors between laser scans and the CAD model using a mobile device. We began by creating a mobile CAD viewer, added CAD importers such as STEP and JT and later Catia and other formats. As an intermediate step, we released vueCAD® for the mobile market. But our most interesting work has been the custom solutions we've built. Our customers, typically large manufacturers in the Aerospace, Automotive and Medical industries, require a solution that is comfortable with large assemblies, can visualize millions of triangles, accepts data from any CAD system in its native format, and adapts to their needs whether it's as a new tool for their Sales team, a verification system for their Shipping & Receiving department, or a laser control system on the production floor."

Mr. Ruotolo continues, "CAD on a mobile device is still being defined. What we do know is that mobile CAD is much more than CAD on a small screen. Today's mobile devices come with all kinds of sensor technologies beyond anything found in a PC that are opening the doors to new solutions everyday such as the Augmented Reality custom engineering projects we've created. vueCAD® is the ideal platform for mobile software solutions from design to manufacturing to quality control. Add the mobile device's gyroscopes, accelerometers, and camera, and vueCAD® is extended into Augmented Reality with great success."

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Windchill Drawing Note Search Application Released by ETRAGE

26 February 2013

ETRAGE LLC, The Engineering Automation and Integration Company, announced the availability of the Etrage Drawing Notes Search application for PTC's Creo® and Windchill®.

The Drawing Notes Search application provides companies a simple but powerful method for searching for and managing Creo drawing notes that are stored in Windchill® PDMLink® or Windchill® INTRALINK® or in a Windows file system.

The Drawing Notes Search Application provides an automatic method for capturing notes from Creo drawings and storing them in a database. Once in the database, notes can be managed with a Web based interface by searching and filtering on drawing name, number or note character string. Notes can be

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sorted, filtered and reviewed. Drawings can be opened for editing in Windchill from links in the application. Note lists can be exported to Excel or CSV formats.

Additional CAD applications as well as PDF format drawings can be added to the application as requested by customers.

For a demonstration of the Etrage Drawing Notes Search application, please Email sales@etrage.com or contact Ron Zabilski at 978.922.2012.

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