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Acquisitions

Dassault Systèmes Acquires SIMPOE

7 May 2013

Dassault Systèmes today announced the acquisition of SIMPOE, a leader in plastic injection molding simulation. The acquisition of SIMPOE, based in Torcy, France, expands Dassault Systèmes’ 3DEXPERIENCE platform and its SIMULIA, CATIA, and SolidWorks applications to create the most powerful portfolio of materials-intensive manufacturing simulation solutions on the market. With more than 3,000 active users working for major part designers, producers, and mold makers, companies such as Canon and Panasonic rely on SIMPOE for its leading plastic injection simulation solutions. The amount of the transaction was not disclosed.

“Plastics form a crucial part of today’s products. They are increasingly complex, both in shape and production, as well as the speed with which they are brought to market. Simplifying the design and manufacturing of plastics is therefore a critical part of many industries’ product creation,” said Bernard Charlès, President and CEO, Dassault Systèmes. “SIMPOE’s simulation technology will contribute to the 3DEXPERIENCE platform by helping our clients validate designs and injection molding approaches quickly.”

Plastic injection molding, one of the most common processes of plastic forming, is used in the mass production of complex and sophisticated parts. SIMPOE will continue to offer its comprehensive solution, covering the whole plastics injection molding process. These scalable packages cover a wide range of functionalities, from simple to advanced, and will complement existing SIMULIA, CATIA and

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SolidWorks solutions in the plastic part domain. The underlying technology will enhance future 3DEXPERIENCE Industry Solution Experiences, leveraging Dassault Systèmes' existing design-to-manufacturing expertise in composites and sheet metal, to offer an integrated experience covering the entire plastic-part process.

“As someone who relies on the full range of SIMPOE solutions, including their advanced technology for analyzing injection mold cooling lines and predicting molded part warpage, I am pleased that SIMPOE is now part of Dassault Systèmes,” said Ed Honda, President, hondaDesign, LLC. “And as a long time user of SIMPOE technology, this gives me further validation to know that I made the right choice.”

“This is an exciting development for SIMPOE and its customers and partners. We have worked closely with Dassault Systèmes over the past five years and we have seen firsthand its passion for its customers, as well as its vision for harmonizing products and how they are experienced in the real world,” said Alain Dubois, CEO, SIMPOE. “SIMPOE’s customers will receive significant value through Dassault Systèmes’ global support organization and well-recognized commitment to research and development. This is an opportunity to extend the reach of our technology to a wider audience, continue efforts to further enhance high-end functionalities for plastic experts, and play a key role in Dassault Systèmes’ 3DEXPERIENCE strategy.”

The transaction was completed on April 18, 2013.

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Company News

AMC Bridge and Vizup Sign Partnership Agreement

7 May 2013

AMC Bridge, a provider of software development services in the areas of engineering, manufacturing, data and product lifecycle management, and [Vizup](#), provider of 3D model optimization technology, formalized their successful business relationships by signing a reciprocal partnership agreement.

AMC Bridge President Igor Tsinman noted, “There is a growing interest in software solutions that make 3D data available anywhere, anytime and on any device. A powerful combination of Vizup’s technology and AMC Bridge’s development and integration expertise will benefit both application developers and users, by offering services that provide flexibility in accessing and interacting with 3D data.”

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Cansel Achieves Autodesk Platinum Award for the Highest Growth for Sales in Canada

9 May 2013

Cansel announced that it has received Autodesk's coveted Platinum Award for the highest growth for new sales in Canada, during fiscal year ending on January 31st, 2013. Cansel was the only Canadian company to win Platinum Award from Autodesk for Autodesk's fiscal year 2013. For 30 years Cansel's in-house experts have provided tailored solutions of Autodesk technologies including training, support, customization and programming, workflow optimization and standards development. It is now the largest reseller of Autodesk solutions in Canada and ranks number 4 in North America.

"I congratulate Cansel for their outstanding achievement and for their tireless efforts to help make Autodesk software users more efficient, competitive and innovative." said Bill Griffin, Vice President, Worldwide Channel Sales, Autodesk.

"This award signifies that the Canadian marketplace continues to recognize Cansel's unique value proposition and expertise in helping solve our customer's business challenges. We have invested over the years to build the largest Canadian team of professional services experts, who come from industry with practical knowledge and experience," said Mr. Sasha Nikodijevic, Cansel. "When you combine our team of experts, coupled with Autodesk Suites, our structured implementation methodology and wide selection of hardware, we are able to optimize our customer's workflow, from field to finish."

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Creativity in CAD: Free Software Supports Leather Venture

8 May 2013

Bernard Kreuzer, former army captain and leather goods designer, studied mechanical engineering. He discovered CAD Schroer's free mechanical design software, MEDUSA4 Personal, about two years ago. Today he uses it to design unique leather goods, with patents pending.

When Bernhard Kreuzer attended a MEDUSA4 training course, supported by a government skills scheme, he was keen to share his story with CAD Schroer staff.

A mechanical engineer by trade, he started using MEDUSA4 Personal to design high quality, made-to-measure leather goods, including belts, handbags, custom sheaths for knives, mobile phone cases, and archery accessories. Initially sales came through word of mouth, but as orders increased, he needed to create more accurate designs to waste less material and work more efficiently.

Combining Engineering, Creativity and CAD

"It all started when I couldn't find a decent sheath for a specialty knife I made. So I ended up making one out of leather," he explains. "I started reading about leathercraft, learning as I went. The hobby

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developed into a small sideline. I wanted to approach the design from an engineer's perspective, and use CAD to perfect my ideas. I prefer Linux, so when I found out about MEDUSA4 on Wikipedia, I gave it a go. I'm really pleased about the opportunities the free CAD software affords me to improve my business without big costs."

MEDUSA4 Personal is free for individuals and businesses. A pay-per-use eSERVICES portal converts any final drawings for unlimited commercial use.

CAD Schroer's eSERVICES portal and free MEDUSA4 Personal 2D/3D CAD download:
<http://eservices.cad-schroer.com>

Intelligent Tools for Custom Products

Mr Kreuzer uses MEDUSA4 Personal's intelligent 2D drafting tools to design the separate pieces. Printed custom drawings serve as templates for cutting the leather. He then uses a unique hand stitching method to create the final piece, often embossing the leather with special designs or initials. The resulting items are beautiful and much more hard-wearing than those produced conventionally by machine. Mr Kreuzer also uses MEDUSA4 Personal for designs in wood and metal, and the software is helping to document an invention, for which he is currently seeking a patent, hoping this will pave the road to independence.

Sharing a Love of Leathercraft and CAD

Mr Kreuzer is keen to share his enthusiasm for leather design and MEDUSA4 with anyone who is interested, and regularly conducts basic leather design workshops in Austria: <http://www.sattlermuseum.at/seminare/>.

Applying mechanical design principles to the design of custom goods has helped Bernhard Kreuzer to develop a niche offering, turning a hobby into business with the help of CAD Schroer's MEDUSA4 Personal freeware. Download: eservices.cad-schroer.com

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Demand for Cloud-Based ERP/PLM Drives Strong Growth at RLM

6 May 2013

RLM Apparel Software Systems Inc. (<http://www.ronlynn.com>), reports that accelerating demand for its cloud-based fashion enterprise and other software solutions has resulted in another year of strong growth. In addition to the large number of new orders received from prominent menswear, womenswear, footwear, accessories, and home fashion labels during the past year, the privately-held company has also upgraded a number of its longtime clients to the latest version of its web-based FashionManager™ solution.

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Among the most notable new RLM clients choosing FashionManager in 2012 were luxury shoes and accessories designer Charlotte Olympia, prolific menswear designer John Varvatos, THE ROW luxury apparel and accessories brand by Ashley Olsen and Mary-Kate Olsen, and menswear design veteran Todd Snyder. These and other companies deployed FashionManager on the cloud platform, which is hosted and maintained directly by RLM.

Demand for RLM's comprehensive software solutions continues strong into 2013 with a number of new implementations underway at 3x1 Denim, Elizabeth & James, and fashion leader Jason Wu, which will phase-in the full FashionManager PLM, ERP, and Financial Management suite this year.

"We thank our customers for making possible such consistent growth over this past year and our entire 35-year history," declared Founder and CEO Ron Lynn. "The fast pace and constant change of our industry drives us to continuously innovate and provide new and better solutions for the many companies that have placed their trust in us. We appreciate the opportunity to serve each client and the industry that we love."

According to RLM Vice President and Partner Rick Lynn, "As fashion companies struggle to streamline processes and maintain margins, many have come to recognize the measurable benefits of managing their business on a single software platform. We have always held that this is the only way to achieve the visibility and control needed to stay on top of the entire concept-to-consumer fashion lifecycle. The continued strong demand for our solutions validates our commitment to providing fully integrated solutions that are focused on fashion requirements."

"We are pleased that so many companies have embraced the cloud-based FashionManager deployment," added RLM Vice President and Partner Andy Lynn. "While fashion companies like the promises of simplicity and lower costs of ownership, many initially express reservations about cloud technology. When they learn that we have been running hosted solutions for more than 12 years, they quickly realize that we can provide all the savings and mobility of the cloud without compromising any capabilities or system performance. That's the RLM difference."

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I-Cubed Completes JouleBug Energy Sustainability Challenge

7 May 2013

I-Cubed, a leading enterprise IT solutions firm, has partnered with Raleigh-based JouleBug to complete a company-wide JouleBug Challenge, a competition that uses a free smartphone application to gamify environmentally responsible energy choices.

"An important goal at I-Cubed is pursuing greater sustainability, and JouleBug equipped us with the practical knowledge necessary to achieve this," said current President and CEO of I-Cubed, Donald A. Thompson, Jr. "Knowing how to save energy enables us to decrease costs and reduce our impact on the environment. As a whole, our company learned to be more responsible in our energy decisions."

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The JouleBug app rewards users for choices that contribute to energy sustainability with points and badges: virtual trophies representing real-world savings. Users can also compete with friends via Twitter and Facebook. JouleBug users can also participate in community competitions and earn real prizes. A segment on the competition at I-Cubed aired on local CBS affiliate WRAL in the first week of May, and it was also covered on the [WRAL website](#).

"JouleBug makes saving energy fun and competitive. Users can cut their energy costs by more than \$200 a year, and that really adds up when entire companies or communities compete in JouleBug Challenges," said Grant Williard, founder and president of JouleBug,

Williard developed the app in partnership with a sustainability engineer and computer scientists from NC State. Released in late 2012, the app has already obtained the distinction of being named an i2i ("Innovation to Inspiration") awardee at South by Southwest Eco 2012. In addition to I-Cubed, the City of Raleigh, NC State University, Wake Tech Community College, and the City of Santa Fe, New Mexico, have also engaged in JouleBug Challenges.

To learn more about JouleBug and download the app, visit <http://www.joulebug.com/>

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InnovMetric and Thai Business Partner Launch PolyWorks Thailand to Market the PolyWorks® Universal 3D Metrology Software Platform in Thailand

7 May 2013

Following three years of successful cooperation, InnovMetric Software Inc. and its Thai business partner, Mr. Chaiyasit Thongplio of PW Technical Support (Thailand) Co. Ltd., proudly announced the launch of PolyWorks Thailand.

PolyWorks Thailand will continue the mission of PW Technical Support (Thailand) by providing technical support, training, and sales assistance to InnovMetric's metrology hardware partners in Thailand. In parallel, PolyWorks Thailand will market PolyWorks to VIP accounts in the automotive industry who want to standardize their metrology operations on one platform. PolyWorks Thailand will also supply high-end services to PolyWorks customers, such as metrology process consulting and software customization through macro programming.

"PolyWorks license sales in Thailand have quintupled over the past three years, thanks to the outstanding know-how of PW Technical Support (Thailand). The PolyWorks Thailand joint venture gives us an opportunity to consolidate our leading position in the market and broaden our technical and commercial offer to VIP automotive customers," said Marc Soucy, president of InnovMetric.

"Thai customers are very enthusiastic about the power, robustness, ease-of-use, and flexibility of the PolyWorks universal metrology platform. I am very proud to partner with InnovMetric to further

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develop the PolyWorks business in my home country," added Chaiyasit Thongplio, president of PolyWorks Thailand.

PolyWorks Thailand has started its operations on May 1, 2013.

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PTC Continues Commitment to STEM Leadership and a Future Qualified Work Force

7 May 2013

PTC today extended congratulations to its company-sponsored, award-winning teams at the [FIRST](#)[®] (For Inspiration and Recognition of Science and Technology) Championship in St. Louis, Mo., April 24-27, 2013.

Estimates indicate there will be 2.4 million jobs created in STEM fields in the U.S. by 2018, but only 25 percent of high-school students today complete basic math and engineering course work. The need for more graduates in science, technology, engineering and math is felt by many global manufacturers, so it is critical that programs such as *FIRST* are successful to help fill the pipeline of future engineers, as well as to build a qualified work force.

"Programs like *FIRST* help students get excited about science, math and technology at an early age," said John Stuart, senior vice president global education, PTC, adding, "It's about making an investment for the future, and we at PTC think this is a major priority. We're proud to continue our support of *FIRST* and we congratulate all the teams that participated in this year's Championship."

Founded over 20 years ago by inventor Dean Kamen, the 2012-2013 *FIRST* season attracted over 300,000 youth worldwide and more than 120,000 mentors, coaches and volunteers from over 60 countries. The annual programs culminate in an international robotics competition and celebration where teams win recognition, gain self-confidence, develop people and life skills, make new friends, and perhaps discover an unforeseen career path.

"PTC's sponsorship of our *FIRST*[®] Robotics Competition (FRC[®]) Team 525, [Swartdogs](#), from Cedar Falls, IA, has helped us learn STEM and leadership skills required by many global companies," said Kenton Swartley, coach. "We are grateful that PTC was our sponsor for this year's competition and enjoyed the time at the Championship in St. Louis."

At this year's *FIRST* Championship the PTC booth showcased many of the teams' robots modeled and managed with PTC's solutions. Visitors also learned how teams are using PTC software to design, develop and build a robot while collaborating and communicating effectively among team members. This is the same PTC software that is used by over 27,000 leading manufacturing companies around the world. And finally, *FIRST* students had the opportunity to compete in the PTC Design Challenge with

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the winners showing the most complete 3D robot design:

1. Gage Farestad representing [Landroids](#), FTC #4220
2. Colton Mehlhoff representing [Fish in the Boat](#), FTC #4140
3. Chris Vincent representing [Say Watt?](#), FTC #3539

"Being a Mentor for the Swartdogs continues to be one of the most rewarding points in my career," said Tom Ore, Staff Engineer at the John Deere Product Engineering Center in Waterloo, IA. "The chance to partner with PTC and teach these kids how to use engineering software in an environment where professional engineers can offer advice and expertise will give these students a head start both in college and in the work force after they graduate."

"The *FIRST* Championship combines the excitement of sports with science and technology," said Robert Tuttle, interim president, *FIRST*. "PTC works very hard to connect *FIRST* students to mentors not only within PTC's 6,000 employees, but also with their 27,000 global manufacturing customers so that students worldwide can develop the engineering skills that are in high demand from these organizations."

PTC sponsored teams received the following awards at the 2013 *FIRST* Championship in St Louis: (link to team photos in Additional Resources)

- ***FIRST*[®] Robotics Competition (FRC[®]) Awards**

- o [Mechanical Mayhem](#), #1519 from Milford, NH, won 2nd place FRC overall
- o [The Pink Team](#), #233 from Rockledge, FL, won Team Spirit Award by Chrysler

- ***FIRST*[®] Tech Challenge (FTC[®]) Awards**

- o [Beta Team](#), #3550 from West Des Moines, IA, won the FTC Inspire Award
- o [Fish in the Boat](#), #4140 from Lakeville, MN, winning both the FTC Winning Alliance Award and the FTC PTC Design Award
- o [Say Watt?](#), #3539 from Edison, NJ, won the FTC *FIRST* Responders Award

FIRST has designated PTC as a Strategic Partner, its highest level of sponsor recognition, based on its cumulative support of teams, annual in-kind donations, resources, technology, design and collaboration software, training and employee involvement as well as contributions across the *FIRST* family of K-12 programs.

PTC is proud to be a Crown Supplier to the [FIRST Robotics Competition](#) (FRC) for the seventh consecutive year and the official CAD and Collaboration Sponsor to the [FIRST Tech Challenge](#) (FTC) for the fifth year, providing free software, including PTC Creo[®], PTC Mathcad[®] and PTC Windchill[®] to participating teams.

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PTC Value Added Reseller CDT Announces Company Name Change to BWIR

9 May 2013

CDT, a Platinum Value Added Reseller for PTC, announces a change in name to BWIR, effective immediately. This entails the full integration of people, infrastructure and solutions into BWIR, allowing the company to increase its solutions and services portfolio, strengthen its overall geographic footprint, merge back-end business and processes, and provide better solutions and offerings to customers through one company.

“Operating together as one company provides our customers with new engineering software products and skilled resources to offer total solutions to increase productivity, reduce costs, and improve ‘time-to-market’, ultimately improving the performance of their business. The synergy of these companies consolidates the BWIR brand into a single cohesive global presence and offers the US manufacturing community world class engineering products and enterprise solutions,” said Jim Webb, Senior Partner and Vice President.

Prior to this transition, the former PTC VARs known as Enser and Beacon Technologies were also acquired, bringing additional resources and talent to BWIR.

BWIR is the engineering products and consulting business of Barry-Wehmiller Companies. BWIR delivers a global team for products and services and the breadth of experience needed to support even the most extensive and sophisticated enterprise through strong relationships built upon uncompromising service to clients.

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Red Herring Names Centric Software to Top 100 List

8 May 2013

Centric Software, Inc., has earned a spot as a finalist for the 2013 Red Herring Top 100 North America Awards.

The Top 100 is a prestigious list honoring the year’s most promising private technology ventures. It represents “the most exciting and promising start-ups and scale-ups” from among a pool of hundreds of candidates across North America, according to Red Herring.

Red Herring selects the Top 100 finalists for technological innovation, management strength, market size, investor record, customer acquisition and financial health. Centric—provider of [product lifecycle management \(PLM\) software for retail, apparel, footwear, luxury and consumer goods](#) companies—

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achieved a spot in the list's Internet/Online sector, which includes business-to-business companies.

"The finalists' list confirms the excellent choices made by entrepreneurs and venture capitalists, and the start-ups' solid roots in corporate America, embracing their innovations," says Alex Vieux, publisher and CEO of Red Herring. "By all metrics, it emphasizes the United States' entrepreneurial excellence."

To earn a spot on the list, Red Herring evaluates companies from a large pool of hundreds of candidates based across North America. Each company completes a thorough submission, complemented by due diligence, and an interview. Twenty major criteria underlie the scoring and process. They include: the candidate company's addressable market size; intellectual property and patents; financing; proof of concept; trailing revenues; and management's expertise.

Red Herring then conducts a review of the company's actual track record and standing, which it says makes the finalists' list a valuable instrument for discovering and advocating the greatest business opportunities in the industry.

As a finalist, Centric will present its winning strategies at the Red Herring North America Forum in Monterey, Calif., May 21-23. Red Herring will honor the company at a special awards ceremony on May 23 at the event.

"Red Herring's recognition of Centric's innovation and industry leadership in providing [PLM systems for retail, fashion and consumer goods](#) companies is gratifying for our entire team," says Chris Groves, president and CEO of Centric Software. He cites customer acquisition and expansion, industry-first mobile apps, Centric's [Agile Deployment](#) (SM) implementation methodology and rapid customer return on investment as hallmarks of the company's achievements. "It is an honor to earn a place as a finalist on the Top 100 list from Red Herring."

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Stratasys and Scheu Dental Announce Collaboration in the Digital Orthodontics Market

9 May 2013

[Stratasys, Ltd.](#) announced its collaboration with Scheu Dental GmbH for offering orthodontic labs a complete digital solution.

Digital orthodontics is rapidly becoming the industry standard because of its many business advantages including the ability to significantly shorten delivery times, increase production capacity and eliminate bulky model storage. The collaboration with Scheu Dental GmbH is expected to expand digital orthodontic sales globally.

"We are very pleased to offer our orthodontic lab customers access to complementary solutions from

CIMdata PLM Industry Summary

Stratasys. This represents yet another leap towards the age of the full digital orthodontic lab," commented Mr. Christian Scheu, CEO of Scheu Dental GmbH. "The knowledge learned through the successful cooperation of both companies in the orthodontic market has certainly allowed a faster and a more successful collaboration of the digital orthodontics highway for all orthodontic labs worldwide, bringing mass customization to small and mid-sized labs alike."

"Scheu Dental has worked closely with Stratasys to qualify the complete process required to produce orthodontic appliances using the Scheu Dental equipment," says Avi Cohen, Director of Global Dental at Stratasys Ltd. "Stratasys' goal is to provide productive and complete digital solutions to the market by teaming up with the leading orthodontic equipment and materials provider. This collaboration will provide dental labs with a full digital lab solution that sets new productivity standards."

For more information visit www.StratasysDental.com.

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Tata Consultancy Services Honored as 2013 SAP® Pinnacle Award Recipient

9 May 2013

In recognition of its strong partnership with [SAP](#), Tata Consultancy Services (TCS) today announced it has received a 2013 SAP® Pinnacle award as the Run SAP Partner of the Year. SAP Pinnacle awards are presented annually to the top SAP partners that have excelled in developing and growing their partnership with SAP and driving customer success. Finalists and winners in 19 categories were based on field recommendations, customer feedback and performance indicators in the following four categories: co-innovation, market expansion, service delivery and sustainability.

"TCS is proud to be recognized as the Run SAP Partner of the Year," says Akhilesh Tiwari, global head, SAP Practice for TCS. "Our global teams of certified consultants are dedicated to helping ensure that our shared clients utilize SAP solutions to optimize business value, innovate, and drive operational efficiency. We view this award as confirmation of our dexterity in leading our clients through their implementation journey, as a true partner helping to drive their success."

TCS is a provider of solution implementation based on the Run SAP methodology. It has incorporated the methodology into its implementation standards, aligning with SAP's approach to application lifecycle management and utilizing SAP Solution Manager with its implementations. Run SAP provides best practices, content, services, training and tools for the set up and delivery of end-to-end solution operations.

The SAP Pinnacle awards showcase SAP's commitment to its partner ecosystem strategy, which delivers unmatched value to customers and enables SAP to reach its business goals. Award winners will be formally recognized at SAPPHIRE® NOW, SAP's international customer conference being held in Orlando, Florida, May 14 – 16.

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"We congratulate TCS on its well-deserved receipt of a 2013 SAP Pinnacle award and for its outstanding partnership with SAP," said Eric Duffaut, corporate officer and president, Global Ecosystem and Channels, SAP. "SAP is an innovative and fast-growth company. We put customer success at the center of everything we do. Our vibrant and expanding ecosystem of partners is critical to the company we are now and the company we want to become in the future. Together with our partners – who are co-innovating with us, reselling and implementing our solutions – we offer choice and deliver transformational value to our joint customers of all sizes. Partners like TCS are our force multipliers, and today, more than ever, they are essential to our customers' success."

TCS partners with SAP to help organizations operate with greater agility, collaborate with increased mobility around the world, and make profitable decisions faster. TCS delivers the expertise and experience that its clients need to enhance their SAP solutions, enabling leaner, smarter business.

As a recipient of a 2013 SAP Pinnacle award, TCS has been invited to participate in the SAP Leadership Forum at SAPHIRE NOW. During the forum, winners will receive their 2013 SAP Pinnacle awards. The SAP Leadership Forum will bring together an exclusive group of executives from SAP's top customers, prospects and partner organizations, providing an opportunity to network and exchange business ideas. Visit TCS at SAPHIRE NOW, where it will be exhibiting in booth #2200.

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Events News

Accelrys Announces European Tech Summit 2013

9 May 2013

Accelrys, Inc. today announced its [European Tech Summit will be held](#) May 22-23 at the [Crowne Plaza – Le Palace Hotel](#) in Brussels. The free-to-attend Summit is designed specifically for system administrators, software developers, analysts and architects responsible for managing, supporting and integrating the [Accelrys Enterprise Platform](#), [Accelrys Cheminformatics Solutions](#) and [Accelrys Process Management and Compliance Suite](#) into their existing IT environments, improving the efficiency of both information technology professionals and the end users they support.

"Accelrys' Tech Summits have been a great venue for our customers' IT professionals to gain the critical knowledge they need about how best to deploy, maintain and operate Accelrys solutions within their IT environments," said Dr. Matt Hahn, senior vice president and chief technology officer, Accelrys. "This year, we look forward to deep dives into Accelrys' products, including the new Process Management and Compliance Suite and expanded [LIMS](#) capabilities, as well as the opportunity to share valuable insights into how technology can accelerate product and process development."

The Summit will be comprised of three tracks focusing on the Accelrys Enterprise Platform, Accelrys

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Applications and Developers – as well as general and roadmap sessions and presentations from strategic partners IBM and BT. The interactive agenda will cover topics including security, deployments, integration, roadmaps and IT best practices.

Key sessions include:

- What's New for Developers in Accelrys Enterprise Platform 9.0
- Accelrys LIMS and ELN Integration
- Deploying Discoverant Across a Global Network
- Deploying Contur ELN to Large Organizations
- Accelrys Enterprise Platform in a Validated Environment
- Roadmaps and Focus Groups Across Products

A full agenda can be found [here](#). For more on what to expect, watch these videos from [Matt Hahn](#), Accelrys' chief technology officer, and [Conrad Agramont](#), senior product manager of enterprise technologies at Accelrys.

For registration and accommodation information, visit the [Accelrys Tech Summit 2013](#) website.

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Boston to Host AVEVA World Summit 2013

8 May 2013

AVEVA announced today that the AVEVA World Summit 2013 is being held from 30 October - 1 November in Boston, Massachusetts, USA. Customers from across the world's process plant, power and marine industries are invited to the Summit, which is once again being held as a single global event.

“Responding to delegate input, we have evolved the Summit to include dedicated agendas for plant Owner Operators, EPCs and shipbuilders” explained Mat Truche-Gordon, Executive Vice-President – Business Strategy and Marketing. “Focusing on the business needs of our core customer groups in dedicated sessions, while bringing together key decision makers from across industry sectors in the joint sessions, will help our delegates target the topics specific to their industry and learn from the exchange of ideas only offered by a global, multi-industry event.”

“At the AVEVA World Summit 2012 in Paris, we welcomed a diverse group of delegates to share their business challenges and learn from each other's experience” continued Mr. Truche-Gordon. “Like last year, when we launched the groundbreaking AVEVA Everything3D, we will once again be making exciting new product announcements and updating our customers on the latest developments in existing products and strategies. Holding a single global event proved a resounding success and Boston is a great city to host us this year. 2012 was a really successful Summit; 2013 will be even better!”

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Serving both the plant and marine industries, the AVEVA World Summit features a mix of speakers that include customers presenting real-world case studies, AVEVA senior management and industry partners. The Summit agendas are specifically designed to provide mid-level and senior management decision makers with information on strategic industry issues and the role of innovation and technology.

AVEVA will host the Summit's gala dinner on Thursday 31 October at one of the world's largest science centres, the Museum of Science, Boston. It is Boston's most visited cultural institution. Located on the Charles River, it offers inspiring and unique views of the Boston and Cambridge skylines.

Guest speakers at last year's Summit included Shell, Microsoft, Jacobs, Samsung Heavy Industries, AMEC, Worley Parsons, Petrofac, Guangxin Shipbuilding, Lockheed Martin and Technip.

Registration and Call for Presentations is now open on the AVEVA World Summit 2013 website at www.avevaworld.com. Here you can also view pictures and videos from past events.

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CENIT to Present at SAPHIRE NOW Conference in Orlando on SAP PLM 7

8 May 2013

CENIT (www.cenit.com) will be presenting at the SAPHIRE NOW and ASUG Annual Conference, jointly hosted by SAP and ASUG, on May 16th in Orlando, FL. The speakers will give an overview of a multi-phase SAP PLM implementation, review the achievements, challenges, and lessons learned, and will include a discussion of the capabilities of SAP PLM 7 to manage product data. Emphasis will be placed on business process management and workflows in SAP.

Together with their PLM Alliance partners CENIT will also be exhibiting at the conference at booth #2221b from May 14th to May 16th.

Conference highlights will include presentations on strategies, best practices and industry case studies on the latest business technology trends, innovations, and solutions.

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

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Delcam Indonesia to show latest CAM Developments at MTT Expo

9 May 2013

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Delcam Indonesia will demonstrate the latest developments in Delcam's complete range of CAM software at the MTT Indonesia Expo to be held in Jakarta from 22nd to 25th May. Programs on show will include PowerMILL for high-speed and five-axis machining; FeatureCAM for quick and easy feature-based CAM programming; the Delcam for SolidWorks integrated CAM system; and ArtCAM for artistic applications.

Delcam's business in Indonesia has grown rapidly over the last two years, with more than 40% greater sales in 2012 than in 2010. Delcam Indonesia now has more than 200 customers, with over 500 seats of software. These customers include the local subsidiaries of international companies, such as Indonesia Stanley, Mattel Indonesia and Pou Chen Indonesia, major Indonesian manufacturers like Astra Otoparts, and many smaller toolmakers and subcontractors.

At the exhibition, the most important new option in PowerMILL will be the new Vortex strategy for high-speed area clearance. Vortex, for which Delcam has a patent pending, has been developed by the company specifically to gain the maximum benefit from solid carbide tooling, in particular those designs that can give deeper cuts by using the full flute length as the cutting surface. It can be used for two- and three-axis roughing, three-plus-two-axis area clearance and for rest machining based on stock models or reference toolpaths. Like other Delcam roughing strategies, Vortex toolpaths are calculated to give more efficient machining by following the shape of the part and so keeping air moves to a minimum.

FeatureCAM was the world's first feature-based programming software when it was launched in 1995. Constant development since then has ensured that the system has retained its leadership in programming speed and ease of use, while an increased range of strategies has been added to provide more efficient toolpaths giving greater productivity on a wider range of machines, including lathes, mills and mill-turn machines. The 2013 R2 version incorporates a number of new stock model options that allow users to increase productivity, improve surface finish and reduce tool wear. Other enhancements in this release include new methods for the generation of html set-up sheets, and improvements to turning and turn-mill programming.

Delcam for SolidWorks is a fully integrated CAM system for SolidWorks that combines the benefits associated with PowerMILL and FeatureCAM. It provides PowerMILL's exceptional speed of toolpath calculation, plus the advanced strategies for high-speed and five-axis machining, to ensure increased productivity, maximum tool life and immaculate surface finish, while also offering the same strong focus on ease of use as FeatureCAM. The 2013 release includes a new entry-level 3D milling option, plus many of the enhancements made to the 2013 version of FeatureCAM on which it is based. As a Gold Partner CAM product, it is, of course, fully compatible with the latest release of SolidWorks.

The new release of ArtCAM Pro will make it much easier to create complex designs, especially those that include repeated elements that are similar but not identical within the design. This new way of working, which is called 'Free Relief Modelling', allows previously-created reliefs to be identified and swiftly moved, rotated, rescaled and copied, either individually or as part of a group. The overall result is much more natural than simply duplicating a single shape across the design, while also being much quicker than modelling each item individually.

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Delcam's Latest Technology to be shown by SEACAM at Feira Feimafe 2013

10 May 2013

The latest CAD/CAM technology from Delcam will be demonstrated on stand B49 at the Feira Feimafe by SEACAM, Delcam's longstanding reseller in Brazil. New releases to be shown will include the latest versions of PowerMILL, PartMaker for the programming of Swiss-type lathes, especially for the manufacture of medical and dental implants, and FeatureCAM.

Also on display will be the PowerINSPECT inspection software and Delcam's specialist software for the healthcare and footwear industries.

The Vortex strategy for high-speed area clearance will be the major enhancement for the next release of PowerMILL. The new strategy will also be added to FeatureCAM and PartMaker later this year. Vortex, for which Delcam has a patent pending, has been developed by the company specifically to gain the maximum benefit from solid carbide tooling, in particular those designs that can give deeper cuts by using the full flute length as the cutting surface. It can be used for two- and three-axis roughing, positional five-axis area clearance and for rest machining based on stock models or reference toolpaths.

Like other Delcam roughing strategies, Vortex toolpaths are calculated to give more efficient machining by following the shape of the part and by keeping air moves to a minimum. This is particularly important for rest machining operations.

The new release of FeatureCAM includes new strategies for both roughing and finish machining, together with developments that will shorten the calculation times. FeatureCAM programs will also be shown on the stands of several of SEACAM's machine-tool partners, including Mitsui, Citizen, Ergomat and Vitor Ciola.

Another product to be shown will be the new release of PowerINSPECT OMV (On-Machine Verification). OMV with PowerINSPECT allows initial checking of machined parts to be carried out in situ on any CNC machine tool rather than having to transfer them to coordinate measuring machines for inspection. The main advantage is that any mistakes are discovered where they can be corrected – on the machine tool. Repeated cycles of machining and inspection, interspersed with long set-up times on the respective pieces of equipment, are avoided, meaning that overall manufacturing times can be reduced.

The most obvious benefit of OMV is for those companies that do not have existing inspection capabilities. Modern machine tools, such as those supplied by Mazak, either come with, or can be retrofitted with, probing systems from Renishaw to assist in the set-up of the job. With PowerINSPECT, this same equipment can be used for verification at little extra cost.

OMV can give huge time savings by enabling the quality of the component being machined to be monitored at all stages in the manufacturing process. This allows any errors to be detected earlier, and so corrected more quickly and at lower cost. For example, it is possible to check that the correct amount of stock has been left on the component after a roughing operation, rather than having to wait until all machining operations have been completed before discovering that an error has been made.

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Delcam's PowerINSPECT on Multiple Devices at Control

7 May 2013

Delcam's PowerINSPECT inspection software will be demonstrated on a range of devices, including portable arms, a laser tracker and a machine tool, on stand 3514 in Hall 3 at the Control exhibition to be held from 14th to 17th May in Stuttgart. All the demonstrations will use the new 2013 release of the software that includes unique dual-device functionality, plus enhancements to the software's speed and ease-of-use.

As the world's leading trade fair for quality assurance, Control brings together international market-leaders and innovative suppliers of quality-assurance technologies, products and software from all over the world. On the Delcam stand, metrology personnel will see demonstrations of the world's leading hardware-independent inspection software on a variety of devices.

The centre-piece of the stand will be a large casting being inspected using PowerINSPECT's unique dual-device functionality. PowerINSPECT is believed to be the only inspection software that supports simultaneous operation of different types of device from different manufacturers. At Control, the pair of devices will be a FARO portable coordinate-measuring machine and a Leica laser tracker.

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.

Other demonstrations will include PowerINSPECT on a Hexagon portable measuring arm fitted with a laser scanner and PowerINSPECT On-Machine Verification on an OPS-Ingersoll machine tool. These will highlight other developments in PowerINSPECT 2013 including the enhanced raster boundaries that allow users to edit the measurement volume graphically.

PowerINSPECT can also be seen on the Stiefelmayer stand, 3120 in Hall 3, where it will be working on a dual-column CNC CMM. The combination of a dual-column CMM and PowerINSPECT enables inspection times to be reduced by allowing the simultaneous measurement of different features on larger parts. In the 2013 version, it has been made easier to switch between single-column and dual-column

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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.

PowerINSPECT will also feature on the Metronor stand, 5133 in Hall 5, where it will be shown on the company's portable inspection devices, and on the Creaform stand, 5108 in Hall 5, with demonstrations on the HandyScan 3D portable scanner.

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Gerber Technology to Demonstrate Automation Solutions for Fashion and Technical Textiles at Texprocess and Techtexsil 2013

6 May 2013

[Gerber Technology](#) will exhibit at two international tradeshows in Germany – Texprocess and Techtexsil, held concurrently at the Frankfurt fairgrounds beginning June 10. With powerful presence at both shows, Gerber Technology demonstrates its full commitment to the variety of segments comprising the global sewn goods industries.

For 45 years, Gerber Technology has helped thousands of customers in the apparel, transportation interiors and upholstery industries take advantage of automation to overcome their most challenging business hurdles. In addition, companies from all over the world control their position in numerous niches by relying on Gerber's software, hardware and IT solutions to overcome everyday challenges in product development, design and manufacturing.

Theo Ostendorf, vice president and general manager of Gerber's Europe, Middle East and Africa region, said, "Because Gerber serves customers in a multitude of industries – from apparel to aerospace, transportation interiors to technical textiles, we are delighted to host visitors to our booth at each of these shows."

Gerber's Software Solutions lounge will be located at Texprocess in Hall 4.0, Booth C50 in the center of the IT@Texprocess area, which highlights IT solutions in the garment industry. Here, Gerber will demonstrate its complete portfolio of software systems and peripherals used to automate design and product development tasks for many of the world's leading apparel brands, manufacturers and retailers.

Visitors will have the opportunity to witness the newest release of the company's [YuniquePLM](#)TM product lifecycle management system. It offers enhanced integration with Adobe® Illustrator®, dynamic line creation capabilities, sourcing and compliance tracking, as well as powerful "what if" scenarios that enable teams to determine if a product will meet profitability expectations before designers even sketch a concept or generate a single piece of artwork.

Texprocess 2013 will also be the platform for the world premiere of Yunique 360 Interactive Sample

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Capture. Now, both brand owners and suppliers can capture a 360-degree view of a sample on a model or form and send these images, complete with annotation and mark ups, to colleagues and partners via YuniquePLM. Digital sample images eliminate barriers caused by time zones and divergent languages, minimize the number of sample submits and courier charges and enable organizations to reduce product development time and improve fit quality.

[AccuMark®](#) pattern design software version 8.5.1 includes significant productivity and communication enhancements, including new functionality to digitize hard patterns using a standard digital camera.

Vstitcher™ 3D pattern draping software enables apparel companies to transform 2D patterns into 3D draped garments on true-to-life virtual models (avatars). The software reduces time to market, facilitates communication with colleagues and suppliers, and reduces costs associated with sample making.

Also on display will be the GERBERplotter™ XLp, which plots markers up to 2.2 meters wide at speeds up to 95-square meters per hour.

Gerber's manufacturing solutions will be on display at Techtexil in Hall 4.1, Booth H41. Here Gerber will demonstrate its portfolio of solutions to precisely spread and cut a wide variety of flexible and rigid materials, from the most delicate fabrics for the apparel industry, to all types of technical textiles and composite materials for a variety of other industries.

Computer-controlled cutting systems include Gerber's medium-ply cutting system, the [GERBERcutter® GTxL](#), which cuts material up to 2.2 meters wide and is designed to operate around the clock with precision and without interruption. And, the GERBERcutter® Z1, the optimal solution for single- and low-ply cutting of all types of challenging materials. The system's powerful Axis™ software delivers comprehensive reports and simplifies re-cutting of parts.

The [GERBERspreader™ 250s](#) spreads material rolls weighing up to 250 kgs. at speeds up to 100 meters per minute without tension. In addition, precision selvage and end alignment technology maximizes material utilization.

Gerber's newest cutting system, the fourth generation [GERBERcutter M3000](#) with optional router will be on hand to cut a variety of materials including challenging composites, soft and hard foam, corrugated cardboard, plastics and other rigid materials. The highly accurate cutting system is equipped with the T3 Head, a plug-and-play tooling system that enables rapid tool changes. Available tools include an oscillating knife, drag knife, 45-degree bevel knife and scoring tool. It includes an optional registration system that enables the operator to quickly align pre-printed materials for accurate cutting. The M3000 is designed using an open architecture compatible with all industry CAD systems and is available in lengths up to five meters and widths up to 2.26 meters.

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IMAGINiT Technologies Hosts Live Webcasts to Support Autodesk 2014 Product Launch

2 May 2013

[Rand Worldwide](#) announced its [IMAGINiT Technologies](#) division is unveiling the latest enhancements in the 2014 portfolio of Autodesk design and engineering software, as well as highlighting IMAGINiT's own Scan to BIM 2014 software. The 'Know It. All. Events' are scheduled for May 8, 2013 with additional on-demand content available on IMAGINiT's [ProductivityNOW Portal](#).

“Our global team of local experts not only understand the latest Autodesk software features, but perhaps more importantly, how to make these latest software releases work for the user to achieve their business objectives,” says Bob Heeg, executive vice president, IMAGINiT Technologies. “We’re proud to also be showcasing our own Scan to BIM 2014 software which also takes advantage of the more powerful Autodesk Revit 2014 release.”

Each of the industry-focused and free online events includes sessions on new Autodesk 2014 products, powerful tips and tricks, insight into successful implementation strategies and also provides time for expert feedback to participants' questions.

North American 'Know. It. All' Virtual Event Schedule

What's New in [Autodesk Revit 2014](#)

- 11:30 AM - 12:00 PM Eastern Daylight Time (US/CAN)

What's New in [Autodesk AutoCAD Civil 3D 2014](#)

- 12:30 PM - 1:00 PM Eastern Daylight Time (US/CAN)

What's New in [Autodesk Inventor](#) and [Autodesk Product Design Suite 2014](#)

- 1:30 PM - 2:30 PM Eastern Daylight Time (US/CAN)

Overview of [Scan to BIM 2014](#)

- 2:30 PM - 3:00 PM Eastern Daylight Time (US/CAN)

On-Demand: Additional Content Available on May 8

In addition to the live online events, there is a wealth of 2014 product information for on-demand consumption on the CAD industry's premiere online destination – IMAGINiT's [ProductivityNOW Portal](#). This custom built industry portal geared to maximize the productivity of anyone using Autodesk software and Autodesk complementary technologies includes content such as: technical resources, tech tips, how-to videos and white papers; an eLearning component with online curriculum in both self-paced and video formats; community discussion forums, blogs and polls, as well as; options for paid software support.

On May 8 visitors to IMAGINiT's ProductivityNOW portal will be able to enjoy on demand sessions covering what's new in the following Autodesk 2014 products:

Manufacturing:

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- Autodesk Inventor
- Autodesk AutoCAD Mechanical
- Autodesk AutoCAD Electrical
- Autodesk Vault

Infrastructure:

- Autodesk ReCap
- Autodesk Infrastructure Design Suite
- River and Flood Analysis tools
- Autodesk Infracore
- New tools for bridges, geotechnical work and rail layouts

Building:

- Autodesk Navisworks
- Autodesk 3ds Max/Max Design
- Autodesk AutoCAD Architecture
- Autodesk AutoCAD MEP

Accessible by everyone, the online portal offers unrivalled value with a wealth of information free of charge.

Registration Information

Registration is free for all 'Know It. All.' events, but [registration is required](#). Log into the IMAGINiT 'Know It. All.' event from any location and listen to audio through your computer speakers, chat live with presenters and network with IMAGINiT experts and your peers.

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PTC to Speak at the 41st Annual J.P. Morgan Global Technology, Media and Telecom Conference

9 May 2013

[PTC](#) announced that management will speak at the 41st Annual J.P. Morgan Global Technology, Media and Telecom Conference on Thursday, May 16th, 2013 at 12:00pm (ET).

What: PTC to present at 41st Annual J.P. Morgan Global Technology, Media and Telecom Conference

When: Thursday, May 16th at 12:00pm (ET)

Webcast: www.ptc.com/for/investors.htm

Replay: The audio replay of this event will be archived for public replay until 4:00pm (ET) on May

26th, 2013. To access the replay via webcast, please visit www.ptc.com/for/investors.htm.

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Financial News

Synopsys Announces Earnings Release Date for Second Quarter Fiscal Year 2013

8 May 2013

Synopsys, Inc. announced it will report results for the second quarter fiscal year 2013 on Wednesday, May 22, 2013, after the market close.

A conference call to review the results will begin at 2:00 p.m. PT (5:00 p.m. ET) and will be hosted by Aart de Geus, chairman and co-chief executive officer, and Brian Beattie, chief financial officer.

Financial and other statistical information to be discussed on this conference call will be available on the corporate website at <http://www.synopsys.com> immediately before the call. A live webcast will also be available on this site. Participants should access the live webcast at least 10 minutes prior to the start of the call. A webcast replay can be accessed on the corporate website beginning Wednesday, May 22, 2013, at approximately 4:00 p.m. PT. The replay will remain available until Synopsys announces its third quarter fiscal year 2013 results in August 2013. In addition, a dial-up replay of the conference call will be available beginning May 22, 2013 at 4:00 p.m. PT, ending on June 5, 2013 at midnight. The replay telephone number is USA (800) 475-6701, and International (320) 365-3844, Access Code 293128.

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Implementation Investments

Accelrys and Pfizer Extend Agreement for Global Deployment of Scientific Innovation Lifecycle Management Software

7 May 2013

Accelrys, Inc., a leading provider of scientific innovation lifecycle management software, announced today that Pfizer, Inc. has signed a three-year contract with Accelrys, extending the companies' long-standing strategic partnership. The agreement continues the global deployment of the Accelrys Enterprise Platform, Pipeline Pilot, Cheminformatics Suite and Modeling & Simulation software to Pfizer researchers worldwide.

The scientifically aware [Accelrys Enterprise Platform](#) offers access to broad scientific informatics

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solutions across different domains while simplifying integration into existing IT environments.

The [Pipeline Pilot](#) scientific workflow authoring application enables scientific services that automate the process of accessing, analyzing and reporting scientific data for sharing across the scientific community. Leveraging the [Accelrys Cheminformatics Suite](#), scientists can register, search, mine, analyze and report on chemical structures and reactions, chemically modified sequences and associated information such as inventory, assay and analytical results. [Accelrys Modeling and Simulation software](#) accelerates collaborative research and development of innovative health care treatments through the use of predictive science.

Accelrys President and Chief Executive Officer Max Carneccchia described the profound challenges that are requiring pharmaceutical companies to transform their businesses to remain competitive, saying, "From externalization to cost pressures to regulatory compliance, today's industry trends are making it more difficult for pharmaceutical organizations to deliver innovative products to market quickly and cost-effectively. As Pfizer well knows, overcoming these challenges demands both disease area and technology expertise. Accelrys' integrated technology solutions — built with deep scientific understanding — are helping valued customers like Pfizer grow their businesses to meet the demands of today and tomorrow."

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Advancing From Excel Spreadsheets to Omnify Empower PLM - Apogee Electronics Improves Engineering Design, Documentation and Communication

10 May 2013

[Apogee Electronics](#) Corporation is a manufacturer of digital audio hardware systems and related accessories for audio professionals and musicians around the world. Founded in 1985, Apogee has pushed the envelope of digital audio quality and established themselves as a key innovator in the field of professional digital audio.

Its latest products JAM and MiC, designed especially for Apple's iPad, iPhone and GarageBand software, are proof that Apogee continues to be at the forefront of recording technology. Apogee's mission is to build products that offer ultimate sound quality, innovative design and unparalleled value to all music creators from the aspiring artist to the discerning audio professional.

Challenge/Situation:

Costly Management of Product Information with Excel Spreadsheets

Like many new companies, Apogee was managing product information with Excel spreadsheets where Bills of Materials (BOMs) were maintained manually and changes were managed in a homegrown system. The manual approach of hand entering information into spreadsheets proved to be error-prone with mistakes that wound up being very costly. In addition, Excel did not provide any capabilities for revision control or assessing the effects of design decisions.

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Apogee needed to improve documentation and communication processes from design to manufacturing in order to know what they were building and when, along with any associated design and documentation changes. “We had to make sure communication between engineering and operations as well as operations and manufacturing was clear,” stated Marcus Fan, IT Manager for Apogee Electronics. “Excel did not provide a scalable or centrally accessible solution to meet our needs as a fast-growing company.”

Solution:

Web-based PLM with Direct Integration to Mentor Graphics PADS

Apogee was looking for a software solution to meet their specific needs for managing BOM revisions, document vaulting, and signoff procedures with a clear record of all changes. “The biggest factor for us in finding a solution was price followed by integration with our PADS PCB design tool, compatibility with Mac devices and the ability to own the data,” said Mr. Fan. “We looked at a few Product Lifecycle Management vendors including Arena Solutions, Siemens PLM and Omnify Software, and Omnify’s web-based solution provided all of the functionality we required with a price that was right for us.”

Customer Success:

Better Engineering Design Decisions and Communication

The Omnify Empower PLM system is used by the Engineering and Operations teams at Apogee and in some cases their Contract Manufacturing partners who have been granted a view-only access. Integration to their [Mentor Graphics PADS](#)[®] environment allows engineering to access Omnify Empower from directly within PADS[®]. They use this integration to facilitate managing and sharing of all part data with important parameters synchronized between the two systems. The ability to apply unlimited attributes to a part in Empower allows Apogee engineers to search for parts based on functionality but also acquire additional business data such as where used, cost, lead time and history, to make better design choices up front.

“Empower PLM aids in designing new parts and finding parts we already use across our various product lines,” stated Kevin Vanwulpen, Digital R&D Engineer for Apogee Electronics. “It is now effortless to see which products a part is used on, ask the questions that need to be answered if that part changes, and process the changes via workflows for proper review and signoff. Upgrading from Excel to Omnify has helped us to save a large amount of time spent searching for information, guarantee our data is accurate and improve our design process.”

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Product News

Agilent Technologies Enhances Electronic Instrument Control and Automation Software

6 May 2013

Agilent Technologies Inc. today announced the latest enhancement on its [Command Expert software](#) for faster and easier instrument control in many test application development environments.

The updated version, which now includes support for Windows 8, brings new capabilities to users. Agilent has improved the instrument discovery process, providing closer integration with the company's I/O libraries. The software also supports new releases of common application development environments, and it includes more examples and instrument command sets to improve usability.

"Command Expert users are continuously sharing their ideas for time savings and usability enhancements as they discover the power of Command Expert software for application development and troubleshooting," said Scott Sampl, software marketing manager in Agilent's Electronic Measurement Group. "Capitalizing on the great user dialog, we are actively delivering these enhancements in the software so customers can quickly gain insight into their designs and bring their products to market faster."

The updated Command Expert provides easier connection to and control of instruments using Standard Commands for Programmable Instruments or IVI-COM command sets in many application environments with:

- Support for Windows 8 and add-on support for new versions of Visual Studio, MATLAB, SystemVue and Excel.
- The ability to copy and paste between sequences.
- The inclusion of local variables allowing sequences to use output values as inputs to another command.
- More programming examples and tutorials for fast startup in all environments, and even more SCPI command sets.

The no-charge software can be downloaded at www.agilent.com/find/commandexpert (registration is required).

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ArchiCAD 17 -- "BIM Lives in the Details"

7 May 2013

CIMdata PLM Industry Summary

GRAPHISOFT® announced today ArchiCAD 17, the latest version of its award-winning building information modeling (BIM) software. The new release delivers capabilities that greatly simplify the modeling and documentation of buildings even when the model contains a high level of detail. ArchiCAD's end-to-end BIM workflow allows the model to stay live until the very end of the project.

"Many architectural practices use their BIM solutions up to the design and development phase only to switch to 2D for construction documentation," said Laszlo Vertesi, Vice President of Product Development at GRAPHISOFT. "ArchiCAD 17's brand new Priority Based Connections put a real ROI on the work put into the creation of the BIM model by automatically providing construction documentation level sections and details."

Priority Based Connections – Structurally Correct Details out of the Box

Priority Based Connections, together with Intelligent Building Materials, automatically provide structurally correct sections and details. Further usability improvements such as Intelligent Element Association to Story Heights and Intelligent Reference Line Handling of Elements make ArchiCAD the best BIM-based construction documentation solution available on the market today.

Industry-first Background Processing – Large/Complex Models to Stay Responsive

To further enhance productivity, ArchiCAD 17 takes the next step in multi-core processing to support the creation and manipulation of large complex models with industry-first Background Processing Support for faster generation of complex model details. Optimized Scaling of Multiple-core CPUs boosts performance on large complex models. The software features Improved Central Graphics Unit Performance to make 3D navigation even smoother when working with extra large models.

Extended IFC Model View Definitions – OPEN BIM to Support National Standards

ArchiCAD 17 supports *Coordination View 2.0* and expands capabilities for defining new IFC data such as Concept Design BIM 2010 (required by GSA (US), Statsbygg (Norway), Senate Properties (Finland), FM Handover (required by COBie), and others. This includes currency unit export, calendar date type IFC properties and *IfcSystems Assignment Support* for system type elements such as MEP systems.

BIMobject® Partnership – Boost in Directly Accessible GDL Content for ArchiCAD Users

Integration with BIMobject.com, the world's No.1 manufacturer-specific content provider, offers direct access to an extensive collection of high quality **BIM content by real manufacturers** available both in ArchiCAD 17 and on BIMcomponents.com. With this partnership, BIMcomponents.com takes an important step to becoming the central portal for GDL content for ArchiCAD users.

Workflow Improvements – Integrated Design, Visualization and Analysis Workflow

ArchiCAD 17 delivers a wide array of workflow improvements including an Improved MORPH Tool to support conceptual design with useful zoning information and Real-time 3D Cutting Planes to give extra control of ArchiCAD's 3D modeling environment. Inclusion of fully functional BIMx in every installation enables users to share BIM projects with their clients in the form of interactive BIM project

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environments; further improved Energy Evaluation supporting multiple thermal zones allows users to evaluate their designs with standard compliant technology.

Note: Please see separate announcement about EcoDesigner STAR™, GRAPHISOFT's industry first, BIM integrated, LEED compliant energy certification solution for architects and energy experts.

ArchiCAD 17 will be released on June 1, 2013, with shipment to customers beginning within a few weeks of the official release. Following a tight release schedule, all 26 local versions are planned to reach the market by the end of Q3 2013. For more information about ArchiCAD 17, please visit: www.graphisoft.com/archicad. For a live demonstration of ArchiCAD 17, please register for the upcoming "[BIM Lives in the Details](#)" webinar on June 18, 2013.

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BIMcomponents.com Channels BIM Objects from BIMObject®

8 May 2013

GRAPHISOFT, the developer of ArchiCAD, will now channel BIM objects from the BIMObject® cloud and integrate them into the organic search results on BIMcomponents.com.

BIMcomponents.com, GRAPHISOFT's portal for parametric BIM objects, will automatically channel objects developed, maintained, and published by real manufacturers in the central cloud solution at BIMObject.com.

The brand recognition of BIMObject® is well known and certifies that the objects come from real manufacturers and are real products that can be specified and sourced in real life. The unique channel concept developed by BIMObject allows building product portals to channel the BIM objects used by more and more websites around the world. For manufacturers, this offers convenience by centralizing the hosting and maintenance of their digital product data; the BIMObject® cloud handles all the building product searches to be updated.

The cooperation between GRAPHISOFT and BIMObject® will increase the visibility of the manufacturers' BIM objects and simplify the way architects and engineers can search for BIM objects and download them to their favorite BIM system. These high quality BIM objects are guaranteed to be by the manufacturers and quality controlled by BIM experts from BIMObject®.

"The integration with BIMObject.com, the world's leading manufacturer specific content provider, offers direct access to an extensive collection of high quality BIM content by real manufacturers available both in ArchiCAD 17 and on BIMcomponents.com. This creates a huge value for our users by providing the quality and details very much a standard for the BIMObject® content," said Akos Pfemeter, Director of Global Marketing, GRAPHISOFT.

”We are very pleased to have BIMcomponents as the latest in a long row of channel partners. We continue to serve building and interior product manufacturers to create a dynamic and maintainable infrastructure for product content management. We expect the BIMcomponents.com collaboration to be very useful for both ArchiCAD users as well as the manufacturers in the building industry,” said Stefan Larsson, CEO of BIMobject AB.

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Bricsys Releases BricsCAD V13.2 Update

6 May 2013

Bricsys announced the immediate availability of the BricsCAD V13.2 update for the Windows operating system. This release further extends the BricsCAD software with a native 64-bit version and with support for the 2013 .dwg format. It also improves project collaboration through a built-in connection with the cloud-based Chapoo services.

“With BricsCAD V13.2 we bring a remarkable upgrade to market,” said Erik De Keyser, Bricsys CEO. “Besides support for the 2013 .dwg format we also delivered the long awaited 64 bit version of the software, which was a top priority for many of our corporate volume customers.”

The V13.2 major upgrade includes more than 20 new and improved features such as:

- 64-bit version
Version 13.2 introduces a native 64-bit version that provides for flexible handling of large drawings and the rendering of complex designs through maximum memory usage. The 32 bit (x86) and 64 bit (x64) versions can be installed side by side and will operate as separate applications.
- Support for 2013 .dwg format
BricsCAD V13.2 now also supports the latest .dwg format as used by AutoCAD® 2014.
- Improved cloud connectivity and project collaboration
BricsCAD V13.2 integrates a smart connection with the cloud-based Chapoo Free or Premium Services. Chapoo Free provides for casual document sharing, Chapoo Premium for complete project collaboration. The Chapoo connection tool automatically recognizes xrefs and keeps track of them in the cloud. For a demo please visit <http://youtu.be/KgOJ0l6jv0Q>.

V13.2 also incorporates some 50 fixes for support requests, both from users and application developers, such as:

- Additional options for the splines properties panel
- Several visual styles and rendering improvements
- Improved dialogs for sheet sets
- Assembly design and direct modeling corrections

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The full list of changes can be found in the Release Notes on the Bricsys website at <http://www.bricsys.com/common/releasenotes.jsp>.

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CIM DATABASE 10: Development-driven Variant Management

8 May 2013

With Release 10 of its CIM DATABASE PDM/PLM platform, CONTACT Software is launching a new variant management solution on the market. The application is characterized by its ease-of-use and comprehensive functionality, including automatic variant characterization based on the product and model structure (DMU). For enterprises with a large number of product variants, it provides efficient support during product development activities by permitting the reliable handling of complex variability models and simplifying the definition of very large solution spaces. The fact that it is integrated in the PLM context also ensures that downstream activities such as purchasing and logistics can be automatically supplied with the necessary information via an ERP system such as SAP®, for example.

Globalization and the regular emergence of new customer requirements are increasing the demand for products tailored to a variety of markets. As a result, the number of product variants and level of product complexity are constantly growing. This is increasing the pressure on manufacturers to define variants within the development process, validate them and communicate them to downstream departments and processes efficiently using one and the same medium. As a result, sustainable product management and cost control must be introduced at the very point where this wealth of variants emerges and the majority of the product properties and costs are defined. That is to say during development and design engineering. This is precisely where the new CIM DATABASE PLM application with its engineering requirements-oriented variant modeling capabilities is able to offer enterprises significant process enhancements combined with valuable cost benefits.

The solution is built around an easy-to-use, high-speed variant generator for even large and very large solution spaces. This permits the feature-based modeling of product variability that systematically supports the precise definition of the required solution space as well as the detailed configuration, validation and management of individual product variants. In addition, variant modeling can be performed during early design phases without reference to any specific article. As a result, it is extremely easy to create even complex variability models.

CONTACT Software has bundled together its advanced developments for variant and configuration management under the term "virtual product". Together with its new requirements management solution, the PLM supplier is able to support enterprises that develop complex technical products in a systems engineering environment. The new modules for virtual product development are now available with Version 10 of the CIM DATABASE product data and collaboration platform.

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ClioSoft Announces the Integration of SOS Design Data Management with Agilent Technologies' Advanced Design System Software

7 May 2013

ClioSoft introduced SOS *via*ADS, a new product resulting from a joint development effort between ClioSoft and Agilent Technologies. The solution integrates ClioSoft's SOS Design Collaboration platform into Agilent's [Advanced Design System \(ADS\)](#) to provide version control and enterprise wide design management.

ClioSoft's SOS *via*ADS product -- http://www.cliosoft.com/products/sos_viaads.shtml -- provides users of ADS 2012.08 or later with seamlessly integrated design management. Users have easy right-click menu access to version control capabilities within the standard ADS user interface. Design management (DM) features include:

- Version control of libraries, cells and views
- Auto check-out and check-in when a view is edited
- Check-out locks to prevent concurrent changes
- Easy rollback to previous revisions
- Data management operations for an entire design hierarchy
- Release and derivative management
- External reference and reuse
- Multi-site global collaboration

The tight integration of the SOS platform with Agilent's Advanced Design System improves RF and high-speed digital design team productivity, reduces the chance of mask re-spins due to configuration errors and makes design reuse more efficient. For a short video introduction to this jointly developed solution go to: <https://www.youtube.com/watch?v=lulM7F5LxNE>.

“As high-frequency designs continue to grow in complexity, with teams of engineers working across multiple technologies, there is increasing demand for true enterprise-level design data management,” said Greg Peterschmidt, ADS product planning manager at Agilent. “Through our collaboration with ClioSoft, we can deliver a unique integration that, for the first time, brings together a platform fully dedicated to high-frequency design, ADS, with a comprehensive design data management solution, SOS.”

“Agilent is the vendor of choice for thousands of RF and high-speed digital designers worldwide,” said Srinath Anantharaman, founder and CEO of ClioSoft. “Improved productivity and cycle time are always top goals for design teams, and we are pleased to help Agilent bring them more effective collaboration and the ability to enhance the sharing and management of design data and IP.”

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EMC Delivers Value and Cloud Success with Documentum

7 May 2013

At MOMENTUM, EMC World 2013, EMC announced that it has transformed its entire portfolio of content management applications to provide customers with a clear path to confidently pursue their cloud strategies. With the latest enhancements across the Documentum portfolio, including the availability of [EMC® Documentum® Enterprise Migration Appliance](#) (EMA), EMC continues to deliver technologies and services designed to increase productivity, improve collaboration, and assure governance in the cloud. EMA is a fast and cost-effective solution to support migration projects, enabling customers to transition smoothly to EMC Documentum 7.0, the most trusted content management platform for the cloud.

LATEST ENHANCEMENTS: PRODUCTIVITY, COLLABORATION, AND PERVASIVE GOVERNANCE IN THE CLOUD

- The new [EMC® Documentum D2](#) 4.1 interface delivers enhanced usability for increased productivity, faster deployment, and ability to connect with [EMC® Syncplicity](#) .
- Existing customers running Documentum applications, including those using Webtop or TaskSpace, have a clear path to upgrade to the Documentum 7.0 platform.
- The [Syncplicity Connector for Documentum](#) enables trusted, cloud-based file sync-and-share from the Documentum repository, extending the secure access to content across employees, customer, partners, and suppliers on any mobile device.
- [EMC® Captiva](#) 7.0 provides essential, easy-to-deploy [cloud ready capture](#) technology for customers to build scanning applications embedded within any web-based solution.
- Synchronize retention policies with [information rights management](#) (IRM) to mitigate risk of unauthorized information disclosure, and easily control access to valuable, sensitive information—wherever it resides throughout the enterprise, in the cloud, or on any mobile device.

EASILY MIGRATE TO THE CLOUD

EMC, along with its ecosystem of partners, offers technologies and services to help customers simplify the integration and migration of both current and new content management solutions, whether on-or-off premise. Through the support of EMC Information Intelligence Group Consulting, EMC provides a seamless transition to the Documentum 7.0 platform with the [EMC® Documentum® Enterprise Migration Appliance](#) (EMA), a fast and cost-effective solution specifically designed to support migration projects. Leveraging EMA, Information Intelligence Group Consulting helps customers to move enterprise information securely from on-premise to off-premise with minimal downtime. Its automated approach and capacity to migrate more than 1 million content objects in one hour can reduce migration cost by 50% and migration time by 90%.

INCREASE IT AGILITY WITH EMC ONDEMAND

[EMC® OnDemand](#) managed service continues to gain traction with customers as a proven private cloud deployment model for EMC IIG products and solutions. Accelerating their journey to the cloud, customers are up-and-running with EMC OnDemand in days, not months. EMC OnDemand enables customers to simplify the management of enterprise applications, reducing total cost of ownership by 30 – 60%. It provides best-in-class information security as attested by SSAE16 SOC 2 certification, and enhanced operational services in accordance with U.S. International Traffic in Arms Regulations (ITAR) for public sector customers. EMC OnDemand also offers a shared risk strategy for healthcare customers demonstrated by our willingness to sign HIPAA/HITECH business associate agreement (BAA). For Life Sciences, EMC OnDemand offers a qualified hosting environment enabling customers to meet their validation requirements.

Michael Plon, Head ICT, Oil Search Limited

“As a fast growing Oil Company with geographically distributed presence, a robust document management system is critical to a lot of our engineering collaboration and compliance related business needs. EMC OnDemand allows us to focus on delivering value to the business while leaving the management of the application stack to EMC. It also helps us lower our total cost of ownership. Our experience with the service so far has validated our rationale for selecting EMC OnDemand. “

Petra Tesch, CIO, Sobi

“When we decided to move from Documentum Compliance Manager to the new Documentum Life Sciences Suite, we chose to work with the IIG Consulting team because we believe they have the expertise and tools to do fast and reliable content migrations. We just started the project and so far the data analysis and requirements gathering have gone very smoothly. We are delighted to be participating in a live migration event at EMC World.”

Rohit Ghai, SVP & GM, Products and Solutions, Information Intelligence Group, EMC

“We have earned the trust of our customers with the most innovative content management platform that accelerate time to value, drive operational efficiency and increase productivity. With these new advancements across the Documentum portfolio, EMC is further meeting the needs of a growing number of customers and expanding our offering to help them optimize the value and minimize the risk of migrating to the cloud.”

John O'Melia, Vice President of Worldwide Services, Information Intelligence Group, EMC

“Advancements in the Documentum portfolio, as well as a host of solutions and services, deliver support for the private, public, and hybrid cloud. We are excited to empower our customers with technologies and services such as EMA to help them transition smoothly to the most trusted content management platform for the cloud.”

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EOS Solutions, LLC and PROSTEP Partnership Offers Greater Worldwide Access to 3D PDF Products and Services

8 May 2013

Two of the largest global providers of 3D PDF products and services, EOS Solutions, LLC and PROSTEP, today announced a partnership that significantly enhances each company's capabilities. EOS Solutions, LLC will add PROSTEP's server-based ***PDF Generator 3D*** to its product suite to provide greater flexibility for its enterprise customers, while PROSTEP will begin offering tetra4D's 3D PDF Enrichment products: ***3D PDF Animate***[™], ***3D PDF Publish***[™] and ***3D PDF Compare***[™].

"The growth of new 3D PDF applications to improve critical business processes, such as design review or technical data package delivery, has been very encouraging," commented EOS Solutions, LLC President Steve Prast . "As we continue to help guide manufacturers' 3D model-based workflow process development, PROSTEP PDF Generator 3D will allow some of our clients to automate that process much more efficiently."

EOS Solutions, LLC (www.3dpdfit.com) is already the primary North American source for tetra4D's ***3D PDF Converter***[™] desktop product. With the addition of ***PDF Generator 3D***, EOS Solutions, LLC now offers the only two 3D PDF conversion products in the world based on Adobe® technology. The PROSTEP server-based 3D PDF product allows users to generate 3D PDF files automatically and can be fully integrated into business processes and enterprise systems. Designed to process large volumes of data and produce data in a reproducible and reliable fashion, ***PDF Generator 3D*** is used by some of the world's largest manufacturers.

Through the addition of the new 3D PDF Enrichment products, PROSTEP can offer its clients a solution for maximizing the power of the documents PDF Generator 3D outputs. Each enrichment product provides users with a user-friendly set of tools for publishing rich, interactive 3D PDF documents.

3D PDF Animate[™] enables anyone to create frame by frame animations to illustrate assembly or disassembly, exploded animation views, and kinematics for downstream use in manuals, work instructions, and more. With ***3D PDF Publish***[™] users can enrich 3D PDF documents by adding descriptions and part attributes to a 3D CAD model. This tool is especially useful for adding descriptions to 3D PDFs with step-by-step animated processes, such as directions for assembly and disassembly or service manuals. Rounding out the trio of products, ***3D PDF Compare***[™] enhances the collaborative functionality of 3D PDF by checking which parts of a 3D model have been updated and automatically displaying those specific changes in the most recent version of the 3D model. All three products are available through PROSTEP (www.pdfgenerator3d.com/nc/en.html) as part of the new partnership.

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e-SPECS Supports Autodesk AutoCAD and Revit 2014 Applications

8 May 2013

[InterSpec Inc.](#), provider of BIM integrated construction specification software and services, announced the availability of the e-SPECS® Plug-In Console support for the latest Autodesk 2014 suite of applications.

Having been chosen by Autodesk as a Preferred Industry Partner, InterSpec is providing customers with the support for newly released Autodesk applications within days ensuring customers can upgrade to the latest products and functionality as their schedules demand.

"We are committed to the continued develop and seamless integration with the leading AEC products in our market," states Gilles Letourneau, CTO of InterSpec, Inc. "Our Autodesk partnership is important to both companies as well as our joint customers. We are excited about our customers upgrading to the latest applications helping their business to prosper."

Customers requiring the Autodesk 2014 Revit and AutoCAD e-SPECS Plugin Consoles prior to InterSpec's upcoming e-SPECS 8 release which will include the 2014 console installs should request the downloads from Support@e-SPECS.com.

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FishTail Design Automation Joins Cadence Connections Program

8 May 2013

FishTail Design Automation, Inc. today announced that it has joined the Cadence Design Systems Connections® program. Through its membership in the Connections program, FishTail has developed a flow that allows engineers to use Cadence® Encounter® Timing System to verify the quality of manual or automatically generated merged-mode constraints relative to multi-mode signoff constraints.

The Connections program promotes interoperability among Electronic Design Automation (EDA) tools. As a Connections member, FishTail Design Automation has access to Cadence software and support to ensure interoperability between its constraint generation, verification and management products and the Encounter design implementation and timing signoff platforms. FishTail has used its membership in Connections to put in place an automated flow for the verification of merged-mode constraints in Encounter Timing System (ETS).

"We are pleased to welcome FishTail Design Automation to the Connections program," said Pat Dutrow, senior marketing manager, Connections program at Cadence. "We look forward to working with the FishTail team to enhance the interoperability of our products for the benefit of our mutual customers."

"FishTail's constraint management solution is used by leading semiconductor firms worldwide," stated Ajay Daga, founder and CEO of FishTail. "Our membership in the Connections program will allow these customers to use ETS to verify the quality of merged-mode constraints, identify if timing exceptions apply to timing-critical paths on a design, etc. We expect our integration with ETS to add significant value to our customers."

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InfiniteSkills Release Learning Autodesk AutoCAD 2014 Tutorial Builds CAD Skills from the Ground Up

5 May 2013

Technology training firm InfiniteSkills Inc. last week released Learning AutoCAD 2014 Tutorial, an introductory course designed to introduce basic drawing and editing skills with the industry standard computer assisted design program.

AutoCAD 2014 is the 28th release of AutoCAD, and while many basic features remain consistent from year to year, the new version offers several updates and new features that can be both helpful and challenging for new users.

InfiniteSkills' Learning AutoCAD 2014 Training - DVD provides students and professionals a crash-course in the latest AutoCAD version. Complete with a section dedicated to new features like Design Feed, which provides greater capabilities for collaboration, and enhanced cloud integration, the course is designed to gradually build a basic skill set, and put those skills to use in a final AutoCAD design project.

Course author Brian Benton is an engineering technician, CAD Service Provider, technical writer and AutoCAD instructor. He has 19 years' experience using AutoCAD in various design fields, and has also served in various leadership roles for the Autodesk newsletter HotNews, as well as in development for Autodesk.

"The most challenging thing about learning AutoCAD," Benton says, "is the sheer amount of things to learn. So what I did was think very carefully about the most important tools for beginners, and how I could design the course to implement as many tools as possible."

Benton is careful to point out that knowing AutoCAD tools is only part of using AutoCAD efficiently. "I designed the course not only to teach what each command does, but to make sure to demonstrate how to actually use commands in real life situations."

After getting up to speed on AutoCAD basics, students learn how to draw in AutoCAD, picking up

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fundamentals and learning time-saving techniques employed by veteran users.

The InfiniteSkills' Learning AutoCAD 2013 Video training course is organized around the construction of a movie theater. As the course progresses, students build sections of the overall design, learning new techniques such as working in the coordinate system, working with dimensions and measurement units, drawing with geometric shapes and polylines, and placing objects and object arrays like the seats in the movie theater.

Additional features include working with blocks, applying text fields to a drawing, printing features, and much more.

Free demo videos and a full list of course contents can be found on the Learning AutoCAD 2014 training page of the InfiniteSkills website:

<http://www.infiniteskills.com/training/learning-autodesk-autocad-2014.html>

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Informative Graphics Announces Brava 7.1 for EMC Documentum D2 4.1

7 May 2013

Informative Graphics Corporation (IGC), has updated its flagship viewing and collaboration software, Brava!®, for the latest version of EMC Documentum D2, v4.1. See the new integration at EMC World, May 6-9 at The Venetian in Las Vegas (booth #1118). Brava adds unique features to Documentum D2, including:

Broad compatibility. Users can view and collaborate on virtually any file format, including Microsoft Office documents, PDF files, CAD drawings, videos, images and more.

Document Merge widget. Select the source documents, drawings or images to use, then drag pages to create a new file. Save it as PDF, TIFF or IGC's secure Content Sealed Format (CSF).

Brava Flash Video Markup. Collaborate on video clips by adding lines, shapes and even Changemark® comments. Other reviewers can reply to comments and accept or reject changes.

Compare documents. View two versions of documents or drawings in any file type side by side or in an overlay view. Changes are called out in bright colors. Use Text Compare to view the differences between documents, and even generate a report that lists them.

Secure Document Link. To easily share sensitive documents, just select a document and click the

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Secure Document Link icon. Brava creates an email message with a link that sends the recipient to the D2 login, where they must sign in to view the document within Brava.

"We're pleased to extend the latest version of Brava to EMC Documentum D2 4.1," said IGC President and CEO Gary Heath. "IGC has been an EMC partner for more than 15 years and we share hundreds of customers worldwide."

Learn more about IGC's integrations for EMC Documentum at infograph.com/emc.

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Kubotek USA Introduces KeyMarkUp CAD Viewer

7 May 2013

Kubotek USA is proud to welcome KeyMarkUp CAD Viewer to its family of CAD software products. KeyMarkUp views and marks up over two dozen CAD file formats. With the addition of markup capabilities, more supported file types, exporting and mold and die modules, and a simplified interface, KeyMarkUp provides superior functionality and value to those who want to view and communicate CAD data.

KeyMarkUp CAD Viewer gives engineers a very powerful method to measure, analyze, annotate, print and export CAD data for better communication, collaboration and more accurate quoting. A dynamic selection tool, for instance, allows users to easily create simple cross sections of complex parts or assemblies to complete difficult measurements or geometry checks. Multiple dimensioning, measuring and mass property features and calculating tools, as well as mold design tools, simplify quoting and estimating.

The optional mold and die module increases mold-makers' productivity by enabling them to use several mold specific features to better analyze models to locate problems or to prepare more accurate quotations. KeyMarkUp mold tools include draft angle analysis, thickness analysis, shrinkage calculation, static interference check and calculation of projected surfaces.

KeyMarkUp can quickly open very large assembly files and nearly all of the most popular 2D and 3D CAD formats including CATIA V4 & CATIA V5 (2D and 3D), Pro/Engineer & Creo (2D & 3D), JT Open, I-DEAS, 3D XML, VDA-FS, SolidWorks (2D & 3D), Siemens PLM NX. In all, 32 viewing formats are available today, and yet no CAD experience is necessary to navigate the intuitive, simple interface of KeyMarkUp. This ease-of-use makes KeyMarkUp a CAD viewer that can be easily deployed throughout any organization.

Tony Anderson, Vice President of Comparison Suite Products, states, "With CATIA V4 at end of life, the KeyMarkUp CAD viewer will quickly become the 'go-to' alternative for any company who needs to

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continue work with CATIA V4 CAD files. The 'quick open' option of KeyMarkUp makes opening large assemblies a snap—and that's something many major OEMs will find extremely useful."

KeyMarkUp can also export various file types, including 3D PDF, STEP, IGES, DXF, DWG, JPEG, STL and 15 additional file formats. Simple screen captures of annotated views enhance communication options. These full export and screen capture capabilities will enhance communications options, customer proposals, web and marketing content.

Matt Carr, Vice President of Sales and Support, says, "KeyMarkUp contains some of the best tools for viewing CAD models and assemblies. Couple that with the ability to add dimensions, notes and annotations, and KeyMarkUp gives program managers, engineers, designers, estimators and marketing the data they need without the complexity and price of maintaining multiple CAD seats. Simply put, KeyMarkUp will help users focus and highlight the areas within CAD files that are most important to their particular projects."

KeyMarkUp is available in two versions: Basic and Premium. KeyMarkUp Premium is full featured and contains popular file translators. KeyMarkUp Basic contains all the tools and features found in KeyMarkUp Premium, but with less file import options. As mentioned, optional Mold and Export modules are also available. An introductory offer is available: KeyMarkUp Premium will sell for \$1295; KeyMarkUp Basic is available for \$595. [Read more about KeyMarkUp](#), including the KeyMarkUp data sheet for a full list of supported file formats, and [request your free 15-day trial](#).

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Latest Release of Synopsys IC Compiler Introduces New Technologies to Further Speed Design Closure

6 May 2013

Synopsys, Inc. today announced the availability of the 2013.03 release of its IC Compiler™ software, a key component of Synopsys' Galaxy™ Implementation Platform. Adding to the foundation of design closure technologies already available in IC Compiler, this latest release features innovations to speed design as well as enables the latest process nodes. New features include advanced optimizations to enable high-speed design, efficient implementation of final-stage engineering change orders (ECO) and fully color-ready, tapeout-proven support for the emerging FinFET-based silicon processes.

"Mellanox Technologies designs, builds and manufactures the world's leading interconnect solutions for connecting datacenter server and storage platforms. As such, we require the best IC design tools in the market," said Evelyn Landman, vice president of backend engineering at Mellanox Technologies. "Synopsys' IC Compiler helps us to achieve our engineering goals, and we look forward to utilizing its new design closure capabilities that can further advance the IC design process."

The IC Compiler 2013.03 release includes powerful new features to deliver even faster design closure.

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One important new capability is the application of final-stage ECOs to close the design. IC Compiler, working hand-in-hand with Synopsys' PrimeTime[®] signoff solution, provides a highly efficient ECO solution rooted in dual principles: first, ensuring that very few ECOs are required after the optimization steps; and second, applying the ECOs surgically with minimal layout perturbation. In this flow, PrimeTime provides signoff-accurate ECO guidance, implemented using the new minimum physical impact ECO capability, which greatly reduces layout perturbation by reusing wires and minimizing device displacement. Combined with a fully automatic, incremental In-Design physical verification capability, IC Compiler provides a significant reduction in turnaround time for ECO closure.

Another area that continues to receive increased attention in advanced chips is clock design. With high-speed designs, the clock distribution network can be a significant contributor to total power. While clock gating is an established technique to minimize clock network power, meeting clock gate timing requirements can be a challenge. Additionally, aggressive clock speeds call for innovative new solutions that combine datapath optimization with clock cycle adjustment. The 2013.03 IC Compiler release enables high-speed clock design by performing clock estimation during placement to drive physical- and timing-aware clock gating concurrently with clock and data optimization to achieve the target frequency faster.

IC Compiler 2013.03 delivers these improvements while expanding support for new silicon technology. Since its introduction, IC Compiler has consistently led the way for emerging process node enablement. The previous release of IC Compiler rolled out support for the 20-nm node, which brought many new design challenges including double patterning (DPT). In this latest release, Synopsys' close collaboration with foundries and early adopters to deliver a fully color-ready, tapeout-proven solution for emerging FinFET-based designs fortifies IC Compiler's strong track record of enabling emerging nodes.

"We continue to deliver technology innovations that target pressing customer needs," said Antun Domic, senior vice president and general manager, Synopsys Implementation Group. "Companies like Mellanox Technologies who are doing advanced design with strong time-to-market demands will benefit from new technologies for faster ECO closure and high-speed clock design. Combined with our strong focus on emerging node technology, these advanced capabilities reinforce IC Compiler's position as the preferred implementation choice across the IC design community."

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Marc 2013 Extends Nonlinear Behaviors for Engineering High-Quality Products

7 May 2013

[MSC Software Corporation](#) today announced the new release of [Marc 2013](#). The new capabilities of Marc help engineers improve product quality by simulating highly nonlinear behavior of their products efficiently and easily. Ease of use enhancements reduces user effort in model creation and saves time for companies. The release is expected to be available in early May.

New Contact Analysis Capabilities for Ease of Use and Accuracy

The industry leading contact analysis capabilities in Marc have been improved further in this release.

- The tube-in-tube or beam-in-tube behavior encountered in many engineering applications in oil and gas, automotive, aerospace and biomedical industries can be modeled and analyzed with ease. Marc 2013 facilitates automatic expansion of pipe and any general cross-section beam elements to capture their behavior during contact with beams or other rigid and deformable elements.
- Interference fit, commonly encountered in assemblies, is also made much easier and more flexible, saving time and improving accuracy.
- The expansion of segment-to-segment contact support to multiphysics provides smoother contours, and improved accuracy in several applications in automotive, aerospace, energy, and manufacturing applications.

New Material Models Improve Accuracy

With the rapid growth in the usage of elastomers, it is important to understand their complete nonlinear behavior and damage accumulation.

- The new Bergström-Boyce model may be used to accurately simulate the time-dependent large strain viscoelastic behavior of hyperelastic materials. It may be combined with damage models to represent the permanent set of the material that is often observed in elastomers, which improves accuracy and helps users create better designs of elastomeric products like tires, seals, and elastomeric bearings.

Elastomers are heavily used in products that experience dynamic excitations due to their damping characteristics.

- Viscoelastic material properties in a harmonic analysis may be used to compute the stiffness and damping properties as a function of frequency, and is supported for linear elastic and hyperelastic material models available in Marc. Thermo-rheologically-simple behavior of these materials can also be specified to include temperature dependence of storage and loss moduli.

Advanced Failure Analysis Capabilities

A new Continuum Damage Model simulates the three stages of damage evolution, namely void generation, growth and coalescence. It expands the current damage modeling capability using Gurson-Tvergaard-Needleman formulation, and uses fewer physical parameters to represent damage evolution. This capability helps engineers to more accurately identify damage accumulation and possible failure in manufacturing processes like sheet forming and stamping operations.

Several enhancements in crack propagation studies include general crack propagation in 3-D solids, and better locally refined, automatic global remeshing capability to provide finer mesh at crack tip. Easy placement of crack tip surfaces in an arbitrary location, without concerning about splitting element faces reduces modeling effort and enables users to perform crack initiation and propagation studies faster, and more accurately.

New Solution Schemes for Higher Productivity

Marc's manufacturing process analysis capabilities have been further enhanced in this release with improved support for multistage forming.

- The new capability supports simulation of chained analysis for multi-stage forming processes in a very easy manner. Users can move the internal variables from one simulation to the next easily and update the contact tools/dies. Prior results can also be re-used so that the state of the model from the previous analysis is retained, without the need for large restart files, leading to more flexibility and reduced computer resources requirements.
- New multi-physics capability enables coupling of structural analysis with a magnetodynamic-thermal analysis. Using this methodology, precision manufacturing engineers can determine the parameters to control the heat of a sheet, jet blade, or other work-piece induced by induction heating.

For more details about the new release, watch the [Marc 2013 webinar](#) recording, or view the videos at <http://www.mscsoftware.com/product/marc?video>

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Mentor Graphics Announces Software Vital For Wire Harness Supplier Competitiveness

8 May 2013

Mentor Graphics Corp. today announced availability of the newest tool in the Capital® software suite, [Capital Harness™ TVM](#). This tool automatically generates detailed harness manufacturing process and cost data that is specific to each harness design, each factory and each company's cost models. Capital Harness TVM is part of the Capital tool suite, a powerful electrical system and wire harness design environment for the automotive, aerospace and defense industries. The new tool adds rapid, accurate harness manufacturing process modeling and cost calculation capabilities to the Capital "Define-Design-Build-Service" flow.

Capital Harness TVM addresses a critical business dynamic for wire harness suppliers: how to respond rapidly to requests for quotation. Rapid responses are needed both to win new business and to accommodate design changes, and are particularly challenging because wire harness manufacturing is typically a low-margin business. Capital Harness TVM provides rapid, highly detailed manufacturing cost data and also supports process choice and sourcing decisions, thus delivering total value management.

Jeremy Tibbett, director of engineering - LEONI Region Americas, commented, "Accurate, fast and repeatable cost calculations are a key to any harness manufacturer's competitive capability. Capital Harness TVM not only helps harness manufacturers win business profitably, it is also a platform for other activities such as value engineering and process optimization. I am particularly impressed that Mentor Graphics has created a standard product that is, nevertheless, highly flexible and able to protect

company IP in this critical area.”

Capital Harness TVM is a native Capital application, able to act directly on design data generated by other Capital tools. But it can also read data in several standard formats, including the emerging KBL standard. Capital Harness TVM can be implemented either as part of an extended Capital flow or stand-alone; data can also be received from the Mentor® mid-market [VeSys® product](#), or from other industry tools.

Nick Smith, business development director of Integrated Electrical Systems Division, Mentor Graphics, said, “It was important to create a very flexible product that appeals both to large, multi-national organizations and to smaller harness suppliers. We expect Capital Harness TVM to deliver substantial business value to many existing and new customers.”

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New Multiaxis CNC Software Training Videos Have Been Released

8 May 2013

BobCAD-CAM, Inc. develops [CAD/CAM](#) - CNC machining software for manufacturing businesses. The software allows a programmer to automate the design and part machining phase of CNC manufacturing. Their CAD/CAM products improve workflow efficiency by streamlining the process of selecting tools, materials and cutting strategies which can be very time consuming and produces the numeric code that the machine requires to actually machine the part fast and error-free. Recently the company released their advanced [Multiaxis CAD/CAM](#) software for full 4 & 5 Axis CNC milling and are now releasing the multimedia training video box set to help their customers transition into the product as smoothly as possible.

"The training videos are a critical piece in the overall learning process as they can effectively reduce the length of time it takes a customer to become proficient with our software by as much as 50% or even more," said Chris Corbell, who runs the BobCAD-CAM Marketing section.

The new Multiaxis Standard training video series provides their 4 & 5 Axis Standard customers with 25 individual training videos, a special workbook and a series of corresponding CAD part files that can be used for training. Each video takes up a specific aspect of using the software and uses a step-by-step approach to clarify and show how the software is used in detail. Training topics include how to set up the machine configuration, setting up multiaxis parameters, 4 & 5th axis indexing, wrapping and more. Per the company, who began creating training videos for their products more than 10 years ago, a high percentage of new software packages that are purchased also include training videos due to how important they are in achieving success with CAD/CAM software.

For more information on this new Multiaxis Standard training video release or to [get a free CAD/CAM software demo](#), visit <http://www.bobcad.com> or contact BobCAD-CAM directly at 877-262-2231 or

727-442-3554.

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Newly-released ZWCAD Mechanical SP2 Features Easier Standard Part Customization

7 May 2013

[ZWSOFT](#) today officially announced the new service pack for ZWCAD Mechanical. The main improvements of [ZWCAD Mechanical SP2](#) are easier standard part customization and design environment migration. With enhanced parts library and new style sharing tool, designers can freely customize parts and drawing standards based on specific needs, and share to design team to speed up model creation and enhance collaboration.

Manage Standard Parts Flexibly with Customizable Parts Library

ZWCAD Mechanical SP2 optimizes the function of the built-in standard parts library. Designers can easily edit and set the desired scale, size and property to customize their own standard part, which will help them better respond to the changing industrial requirements. SP2 also allows designers to create new parts and group them into different categories within the parts library, offering an easier and efficient approach to manage their parts. Designers will enjoy the efficiency associated with the use of the customizable parts library that provides them flexible customization of standard parts and a streamlined design workflow.

Optimize Team Productivity and Accuracy with Style Sharing Tool

The new style sharing tool in SP2 allows mechanical teams to better collaborate and deliver more accurate designs. Most of the configurations including customized parts, layers and label settings can be exported to a style configuration installation package. By installing this package in another workstation, the configurations of ZWCAD Mechanical SP2 will be automatically synchronized. Working in the same design environment, the efficiency of collaborative design can be greatly improved since the drawing styles such as text, label and table style are in line with each other. Moreover, the same style configurations will enable designers to directly use drawing from other team members without any adjustment, therefore reducing the risk of human error that could always be possible with manual adjustment.

Besides the customizable parts library and style sharing tool, ZWCAD Mechanical SP2 has other enhancements that provide a customizable and flexible workflow such as the newly-added circle mark settings. To learn more information about ZWCAD Mechanical SP2, [click here](#) to download the release note.

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SAFTI FIRST Announces 3-D Autodesk Revit Models for Fire Rated Walls, Window and Door

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Systems

6 May 2013

SAFTI *FIRST*, USA-manufacturer of fire rated glass and framing systems, is proud to announce that Autodesk [Revit](#) models are now available for its fire rated walls, window and door systems via www.safti.com and [Autodesk Seek](#). These data-rich, intelligent 3-D models comply with the [Revit Model Content Style Guide](#) (RMCSG) version 2.1.

"We're finding that more and more architects are adopting [BIM](#) (Building Information Modeling) in their design and specification process," says Diana San Diego, Director of Marketing for SAFTI *FIRST*. "By providing compliant Revit® models on our fire rated glass and framing assemblies, we are able to meet their needs in more efficient and effective manner."

For more information, please call 888.653.3333 or visit www.safti.com.



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Software Developer Brings High Tech Solution To Education

10 May 2013

BobCAD-CAM has been developing computer aided design and manufacturing software since the early 80's. They recognized the need to provide schools and students of the manufacturing sector with a solution to real world challenges that exist. Schools that teach Design and CNC machining have been experiencing a growing need for software technology to not only design things, but to create machine programs that will work with their CNC mills, routers, lathes and other computerized machinery. The challenge has been in finding software that is powerful and robust enough to meet curriculum demands that will also fit within the shrinking program budgets that schools have been dealing with.

Secondary to these challenges, graduating students are stuck with having to purchase the software that they were trained on regardless of the large associated price tags that have plagued CAD/CAM software markets for decades. BobCAD-CAM decided to do something about it by launching a new educational program titled, "Manufacturers Of The Future." This new program has dual focuses which directly address school curriculum, software lab licenses and their budgets as well as provides a relief package called, "The Student Work Ready" program. The Work Ready program caters to the students which allows them to finish school and enter the manufacturing workforce armed with the CAD/CAM cnc programming software they need in order to make a immediate and positive impact at the cnc business that they go to work for.

You can find out more about the Educational Manufacturers Of The Future programs by contacting the Educational Director Kevin Hughes at BobCAD-CAM directly at 877-262-2231 or 727-442-3554. You can also download Free CAD/CAM - CNC Software Whitepapers [HERE](#).

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TES International adds Third Tool to Altair Partner Alliance Library

8 May 2013

The [Altair Partner Alliance](#) announced today that current partner TES International has officially made its third thermal analysis tool available through the program. TESuite uses a hybrid approach to combine the capabilities of TES' other software, ElectroFlo and ThermoFlo, to provide an even more efficient solution.

"The addition of TESuite to the APA not only broadens the Altair thermal and electronics cooling offerings, but also enhances the freedom to control and balance quality and speed," said Molly Heskitt, Altair's Senior Director of Electronics. "TESuite helps shorten simulation and design time, which can be very beneficial to electronics designers and engineers as they face very short design and development cycles."

TES International joined the Altair Partner Alliance in September 2012, adding its first tool, ElectroFlo, for electronics cooling for high power-density applications. ThermoFlo came shortly after in November, bringing thermal and fluid flow analysis with use of 1D component based modeling. Each tool contributes a set of functionality to the third solution, TESuite, to achieve the ultimate goal of providing a complete thermal modeling and simulation environment. This now offers a variety of methodologies for modeling a range of systems and components to employ "the right tool for the job" all while avoiding any unnecessary overhead that may be associated with a single modeling approach-type analysis.

"TESuite is our most valuable tool to date," said Jeff Lewis, president of TES International. "This complete solution makes the best features of both ElectroFlo and ThermoFlo available in one convenient package, and our APA users will find this extremely beneficial when solving electronics cooling, thermal flow and fluid flow problems."

TESuite combines capabilities of ElectroFlo and ThermoFlo to bridge the gap between speed and accuracy, creating TES' most efficient solution thus far. It allows for analysis that facilitates a rapid and accurate optimization of the cooling system and its components. As a result, the risk of field failures is minimized considerably. Speed and accuracy are improved by its capability to include detailed 3D models of selected sub-systems in an overall system model. It provides users with a wide range of modeling potential with the degree of detail customizable.

TESuite differentiates itself from other software available through its capability of coupling both a rapid one-dimensional (1D) and a highly accurate three-dimensional (3D) computerized fluid dynamics

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analysis on components as desired by the analyst. This provides the freedom to utilize a highly accurate physics-based analysis on the most relevant components, with a rapid network analysis available for use when adequate. With these features available, the resource requirements are dramatically reduced, while the necessary quality is maintained to build an accurate model of the system.

Available for the last 12 years, Altair's innovative unit-based licensing system allows [HyperWorks](#) users customizable access to a growing portfolio of applications, optimizing their return on investment (ROI) by making more than 28 in-house developed applications available by use of a single pool of recyclable HyperWorks units (HWUs).

After experiencing 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 now 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 55 additional applications available at no incremental cost or long-term commitment.

HyperWorks users can download TESuite at www.altairalliance.com/tesint. To learn more about TESuite, please attend one of the [introductory webinars](#), being held on May 13, 2013, at 9 a.m. and 1 p.m. EDT. These webinars will be hosted by Altair and presented by TES International.

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tetra4D® Announces Release of 3D PDF Enrichment Products Version 1.6

8 May 2013

tetra4D® today announced the latest release of the 3D PDF Enrichment family of products, Version 1.6. 3D PDF Animate™ and 3D PDF Publish™ provide Acrobat users with a set of intuitive animation tools for creating dynamic 3D PDF documents with animated 3D CAD models, along with detailed process descriptions directly within the PDF environment. 3D PDF Compare™ allows users to easily view and track all changes to the content within a 3D PDF, including animation sequences, added or deleted parts, and changes to metadata.

Coming quickly alongside the latest release of tetra4D's flagship product, 3D PDF Converter, Version 3.6, which adds significant new capabilities for publishing 3D model-based definition (MBD) information with Visual Response product manufacturing information (PMI), this release of the Enrichment Products further advances tetra4D's position as the leader in 3D PDF technology.

Joseph Oshman, Manufacturing Engineer at Moog Components Group, commented, "3D PDF Animate

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completely revolutionized the way Moog Components Group thinks about creating documents, presentations and instructions." Mr. Oshman added, "We use 3D PDF Animate to expedite our process for creating interactive presentations for new product launches using data directly from our designers' 3D models. There are endless uses for this software product since the files are output as PDF."

"We are thrilled to continue to add valuable new capabilities to our products for our customers who use 3D PDF to communicate in 3D outside the CAD system," said Greg Baker, President of tetra4D. "The combined release of all four of our 3D products for Acrobat together will continue the rapid adoption of 3D PDF in the aerospace supply chain, and consequently accelerate the adoption in other manufacturing supply chains as well."

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Wipro Launches VirtuaDesk™, an IP-based, Packaged Workplace Transformation Solution

7 May 2013

Wipro Ltd. launched VirtuaDesk™, the first packaged, IP-based offering from its Advanced Technologies practice.

VirtuaDesk is a complete desktop virtualization solution that enables customers to easily secure, provision, and share applications and data, for a collaborative and mobile workforce. Designed for fast and secure deployment, VirtuaDesk minimizes the risk in desktop virtualization implementation.

Efficient and easy to use, VirtuaDesk comes as a comprehensive packaged offering delivered as an integrated software-hardware platform. A Wipro-developed self-service portal helps users select and provision required applications and desktops. Features include an App Store, Catalog, and menu-driven administration to define authorization and access. Advanced back-end functionality includes in-memory caching capabilities that enable businesses to provide high-performing desktops and applications.

VirtuaDesk is available as an on-premise or off-site private cloud deployment. For on-premise deployments, organizations receive VirtuaDesk through a cost-effective pre-configured appliance that comes with fully-integrated hardware and software. All deployments include implementation and best-in-class Wipro services that provide ongoing operations management and support.

"We introduced the Advanced Technologies practice to position Wipro as the partner of choice for our customers focused on leveraging social, mobility, analytics, cloud, sensor technologies and high performance computing. VirtuaDesk is a packaged offering that includes Wipro IP and best-in-class Wipro services, combined with industry-leading partner technologies," said Shaji Farooq, Senior Vice President, Advanced Technologies and Go-To-Market Transformation, Wipro. "VirtuaDesk represents a flagship and differentiated offering from Wipro's cloud-based Workplace Transformation Suite that we intend to expand over time."

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Wipro has over the years built enduring partnerships with some of the largest global IT players to offer technology-led solutions for our customers. VirtuaDesk demonstrates our commitment to the sell-with business driven by our global alliances.

Wipro's collaboration with HP is a key foundation for the first Advanced Technologies IP-based offering. The collaborative incubation of VirtuaDesk with HP's proven cloud infrastructure technologies, and world-class global support, ensures VirtuaDesk provides customers an optimal platform for workplace transformation.

VirtuaDesk further leverages market-leading desktop virtualization technologies from Citrix, and Microsoft. VirtuaDesk uses HDX™ technology in Citrix XenDesktop® that assures each user gets a rich, high definition experience over any network, on any device, including personal computers, thin clients, tablets, and smartphones. The solution relies on Microsoft Hyper-V for running the Windows desktop in guest virtual machines, and incorporates Microsoft's comprehensive infrastructure management software.

"Cloud, mobility, social and big data are transforming organizations, requiring them to change the way they use technology in order to remain competitive," said Stephen DeWitt, Senior Vice President, Enterprise Marketing, HP. "VirtuaDesk is the result of the long term collaboration between HP and Wipro that expands our joint offerings to provide customers with greater mobility and increased productivity."

"Mobile workstyles are driving business technology adoption, including solutions that power application and desktop cloud services," commented Dave Jones, Vice President, System Integrator Development, at Citrix. "VirtuaDesk provides an on-ramp for IT organizations to quickly and efficiently meet business demands for application and desktop virtualization."

"We are excited to partner with Wipro to introduce the Wipro Virtual desktop offering. VirtuaDesk provides a holistic desktop virtualization solution that keeps pace with disruptive IT trends such as 'Consumerization of IT'," says Denise Parker Schaad, Senior Director, Enterprise Partners, Microsoft. "VirtuaDesk is a compelling example of how Microsoft technology platforms such as System Center and Windows Server, integrated with our key partners offerings, enable users to stay connected and productive anywhere, anytime."

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Workflow – Edgecam's Game-Changer

7 May 2013

A new application in the market-leading Edgecam software has been specifically designed for manufacturers to reduce costs, improve quality and hit shorter lead times. Known as Workflow, operators will be able to apply toolpaths within seconds. Workflow understands the component topology

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and therefore understands required manufacturing environment.

Workflow tools aid in loading and positioning the component, choosing the manufacturing method and suitable machine tools, adding user defined stock or stock from a database, importing fixtures, selecting a machine and toolkit, and managing strategies to automate manufacture. At each stage Workflow takes decisions or makes suggestions as to how the goal is best achieved. However, the user can easily override the decisions if required making the whole process flexible.

Two Workflow webinars were attended by over 1,000 engineers globally, which highlighted exactly what each stage does:

- **File:** Adopting the common Microsoft Office 2010 theme, this area allows users to efficiently manage files and folders
- **Set-Up:** Dynamically sets up datum position, and adds stock and fixtures through the interactive stock, fixture and machine manager functions
- **Features:** Using Edgecam's powerful automatic feature recognition, many types of manufacturing features can be found in seconds
- **Machining:** Planning board applies a suggested order to manufacture, manipulated easily by drag and drop
- **NC Code:** The toolpath is verified in the full machine simulator, checking for collisions, gauges and limit over travel. The toolkit can be reviewed and edited before NC code is then generated to complete the five-stage Workflow process.

Many questions about how the new tools aid the manufacturing process were addressed during the webinars:

- **Loading and positioning the component?** Fully automatic. Previously the user had to manually set the environment and use traditional commands to create a datum
- **Choosing the manufacturing method and suitable machine tools?** The user is presented with a list of suitable machine tools based on the component's geometry, ensuring machine limits are respected
- **Adding user-defined stock, or stock from a database?** Based on dimensions, a selection of user defined materials are listed with three categories: Valid, Normal and Invalid, which allows suitable stock to be easily selected
- **Importing fixtures?** The user can define fixtures, including vices, chuck and clamps which can then be applied through the fixture manager
- **Managing strategies to aid manufacture?** Edgecam engineers have derived suggested methods of manufacture to machine the part on a feature-by-feature basis, with automatic ordering to rough all features before finishing. These methods are used as 'toolpath accelerators' where users can have additional input to produce the exact toolpath required for their processes. However, it is also possible for the user to update the Strategies to match his best practise manufacturing processes, so that all manual intervention is removed.

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Once each section is complete, the user moves seamlessly to the next stage, completing each process in turn, resulting in a fully programmed, fully collision-checked, part with swift and accurate CNC code generated.

Workflow will have a significant impact on shortening programming time, and because it is so simple to operate, the learning curve for new users is considerably reduced. The traditional CAM commands remain available at all times, and the user can alternate between the two.

Edgecam General Manager Raf Lobato says: “Workflow was developed to address the many challenges facing manufacturing today. The driving force behind Workflow was the industry’s need to reduce costs with reliable, repeatable rapid NC code generation.

“Customers will benefit from producing programs much faster than if they were using more conventional CAM systems, and their staff will become proficient in using Workflow, quicker. Increasing their Return on Investment.”

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