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Acquisitions

Dassault Systèmes to Acquire Apriso

29 May 2013

Dassault Systèmes today announced its intent to acquire Apriso, a provider of manufacturing software solutions, for approximately \$205 million. The acquisition of the Long Beach, California-based Apriso enriches the global manufacturing operations management capabilities of the 3DEXPERIENCE platform.

Apriso expands Dassault Systèmes' 3DEXPERIENCE footprint across multiple industries, such as consumer goods, packaged goods, high tech, life sciences, transportation & mobility, aerospace & defense and industrial equipment. The solutions are currently used by a variety of customers, including Alstom, British American Tobacco, Bombardier, Cummins, General Motors, Hitachi, Japan Tobacco, L'Occitane, Lockheed Martin, L'Oreal, Philip Morris International, Saint-Gobain, Textron Systems, Trixell, Valeo, and Volvo CE.

Apriso will be integrated with and expand Dassault Systèmes' DELMIA application portfolio and the 3DEXPERIENCE platform's virtual+reality capabilities. Apriso's solutions synchronize global manufacturing networks, offering real-time visibility and control over the business processes performed by plants and suppliers. These solutions establish a common set of operational standards that can be managed holistically, on a global basis, while continuously improving and meeting local market and customer needs. By integrating these solutions with the 3DEXPERIENCE platform, customers will have a comprehensive view of their business, from idea to design, to production and global product availability for consumers worldwide.

“This acquisition will merge 3DEXPERIENCE and Apriso's solutions and deliver a new business experience to our customers,” said Bernard Charlès, President and CEO, Dassault Systèmes. “The

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question isn't simply, 'what is the next innovative idea?' but rather 'Can you produce your idea quickly, efficiently, and cost-effectively? Can you excel in global business responsiveness and local production agility?' These are the questions the 3DEXPERIENCE business platform answers."

"Innovation is critical to winning in the competitive world of automotive glass," said Pascal Ober SAP Competency Center director of Saint-Gobain's Innovative Material sector. "We use Apriso to manage the distribution and execution of quality, logistics, manufacturing and compliance processes across over 60 sites worldwide. We view the ability to innovate both products and manufacturing/logistics processes as critical. Dassault Systèmes will now have a comprehensive solution for product and process innovation all the way through execution."

"The Apriso team is proud to join Dassault Systèmes and to bring proven products and expertise in solving global manufacturing challenges," commented Jim Henderson, President and CEO, Apriso. "Now in combination with Dassault Systèmes' leadership in 3DEXPERIENCE, we are 'closing the loop' between design, engineering, manufacturing and consumer experience. Global manufacturers can now accelerate new product and process innovations into the global market."

"As a global power leader, Cummins Inc. designs and manufactures a wide range of products for a diverse set of markets and customers," said Robert Borchelt, Director of Manufacturing IT Systems and Industrial Controls in the Cummins Corporate Manufacturing group. "We view the integration of product design and manufacturing operations software as a critical next step in accelerating new product introduction and in configuring our products to meet the needs of specific markets and customers. Product proliferation and globalization are two key challenges in front of us and we believe the ability to manage products and processes globally is critical to our market growth plans."

Dassault Systèmes and Apriso have entered into a definitive acquisition agreement whereby Dassault Systèmes will acquire Apriso in a cash transaction. The completion of the acquisition is subject to normal closing conditions, including regulatory approvals. The transaction is expected to be completed in July 2013.

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Company News

3D Systems and SYNEX Corporation Join Forces on 3D Printer Sales

30 May 2013

[3D Systems](#) announced today that [SYNEX Corporation](#), a distributor of IT products and services, has joined its expanding global reseller network. Under this exclusive agreement, SYNEX sells and supports 3D Systems' complete portfolio of [personal](#) and [professional](#) 3D printers and materials through its [PRINTSolv Wide Format](#) group in both the United States and Canada.

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Recognized for identifying, investing in and developing solutions around high-growth markets like 3D printing, SYNEX Corporation's business strategy and infrastructure allow for short runways to bring new technologies to market. "By combining our proprietary value-added service model and extraordinary associates with one of the most comprehensive 3D printing portfolios available today, SYNEX is positioned to help our resellers provide an exceptional, end-to-end 3D printing experience to their customers," said Kevin Murai, President and Chief Executive Officer, SYNEX Corporation.

Along with the expanded [ProJet®](#) line, including [full color 3D printers](#), the company also plans to distribute 3D Systems' latest personal 3D printers, including the award winning [CubeX](#). "We look forward to working with an established and experienced partner like SYNEX Corporation," said Avi Reichental, President and Chief Executive Officer, 3D Systems. "This new relationship substantially expands our North American reach through a *Fortune* 500 organization with a track record of delivering exceptional customer service."

To learn more about how to source 3D Systems' 3D printers and supplies, visit www.synex.com/printsolvwideformat/index.html. Visit 3DSystems.com to learn which ProJet 3D Printer is right for your application.

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Advanced Solutions Awarded Advanced Specialization in Process Plant

31 May 2013

Advanced Solutions, an Autodesk Platinum Partner and Authorized Training Center (ATC), today announced having earned the Advanced Specialization in Process Plant from Autodesk, Inc.

"The Autodesk Process Plant Specialization demonstrates Autodesk Partner skills in providing consulting, implementation and support for Autodesk solutions in the design and engineering of process and power plants," said Bill Griffin, Vice President Worldwide Channel Sales, Autodesk.

As an Autodesk Specialized Partner, Advanced Solutions has shown that they have made significant investment in their people, they have a business plan specific to their specialization area, they have customer references, and that they can offer a high level of technical background and support to customers in the Engineering, Natural Resources and Infrastructure (ENI) Industries.

Advanced Solutions is proud of each member of their team who has achieved this level of leadership. Business Development Managers, Tracy Fisher and Jon O'Meara have achieved the Advanced Specialization in Autodesk Process Plant for Sales, while Solutions Engineers, Jeremy Greathouse and Paul Sills have achieved the Advanced Specialization in Autodesk Process Plant for Technical Engineers.

Through pursuing rigorous advanced industry specializations and certification programs established by Autodesk, Advanced Solutions, Inc. demonstrates what it means to be knowledgeable and trusted advisers, trainers and support resources to Autodesk customers throughout the world.

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Cansel and ClearEdge3D Announce new Reseller Agreement

22 May 2013

Cansel and ClearEdge3D jointly announced a reseller partnership that will make the EdgeWise suite of automated modeling software available to customers across Canada. Cansel has been providing design and drafting software to the engineering, architecture, manufacturing industries for almost 30 years and this advanced software sets a new precedence for modeling workflow.

"EdgeWise is the most technologically advanced as-built modeling software out there and we are excited to make it available to our many customers," said Sasha Nikodijevic, Autodesk Manager, Ontario & Atlantic Canada, Cansel. "With EdgeWise, they will be able to go from field-to-finish faster than ever before."

The EdgeWise suite of software uses complex algorithms to automatically identify planes and cylinders in a laser scan point cloud. It extracts the exact geometry from the points, and eliminates much of the need to manually trace pipes, components and architectural features such as walls, windows or doors.

The company's software include EdgeWise Plant, for the industrial/process plant industry; EdgeWise MEP for Revit, for the mechanical [BIM](#) market; and EdgeWise Building, for the architectural modeling industry. The agreement gives Cansel reseller rights in all of these markets across Canada. "Cansel's reach and market share in Canada are broad and deep in the key markets we serve," said Chris Scotton, ClearEdge3D's President and CEO. "We are delighted to have them as a Canadian reseller."

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Capture Real Time with Javelin's White Paper

30 May 2013

A new White Paper on the importance of Real Time Data Capture (RTDC) and how to achieve it, has been published by Javelin – part of the Vero software group.

Manufacturing Resource Planning (MRP) and Production Control provides intelligent and scalable solutions for manufacturing, through detailed management information. But Javelin Senior Consultant Ian Cartwright says data alone is not enough: "It needs to be accurate, relevant and up-to-date to allow SME organisations to successfully compete in difficult economic and market conditions, by directly improving productivity.

"Companies utilising Real Time Data Capture can assess any situation quickly and efficiently, because it gives them current details of all work in progress, stock, personnel, tooling, and the myriad of other

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relevant information, all updated to reflect the real time situation.”

Javelin’s White Paper: “The Importance of Real Time Data Capture (and how to achieve it)” is available to download free from Javelin’s website:

<http://javelin.verosoftware.com/whitepapers>

It highlights the business case for Real Time update information and the best ways of ensuring that manufacturers achieve this valuable business intelligence.

Topics include data sources; data capture mechanisms; and the data itself, such as available personnel, the current status of each individual machine, aspects of work in progress, and stock.

“Raw materials are key to the minute-by-minute decisions to launch jobs,” says Ian Cartwright. “But by utilising RTDC properly, managers can also analyse employee efficiency by comparing their time at work to their time actively spent working on jobs, or even booked against ‘distraction’ or ‘non-productive’ codes.”

He says the area that benefits most from RTDC is work in progress, which is traditionally recorded on time sheets or operation cards. “It’s time expended against a specific operation in a specific order by a specific person, as well as looking at how many units have been made, how many scrapped and how many rejected.

“Managers who have vital information at their fingertips as soon as it is collected can make informed decisions which keep businesses running efficiently and profitably. And this free White Paper explains how to ensure that such information is always readily available.”

The Importance of Real Time Data Capture (and how to achieve it)

<http://javelin.verosoftware.com/whitepapers>

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Centric Software Earns Coveted Spot on Prestigious Red Herring Top 100 List

31 May 2013

Red Herring has named Centric Software, Inc., to its prestigious Red Herring Top 100 List for North American companies for 2013.

The Red Herring Top 100 America award recognizes leading private companies from North America, celebrating the companies’ innovations and technologies across their respective industries. Centric—provider of [product lifecycle management \(PLM\) software for retail, apparel, footwear, luxury and](#)

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[consumer goods companies](#)—achieved a spot in the list’s Internet/Online sector, which includes business-to-business companies.

Drawing on outstanding entrepreneurs and promising companies, The Red Herring Top 100 selects a hundred award winners among the 3,000 tech companies financed each year in the United States and Canada. Since 1996, Red Herring has kept tabs on the up and comers. The publication’s editors, it says, were among the first to recognize that companies such as Facebook, Twitter, Google, Yahoo, Skype, Salesforce.com, YouTube, Marin Software, Palo Alto Networks, and eBay would change the way people live and work.

“In 2013, selecting the Top 100 achievers was by no means a small feat,” said Alex Vieux, publisher and CEO of Red Herring. “In fact, we had the toughest time in years, because so many entrepreneurs have crossed significant milestones so early. But after much thought, rigorous contemplation and discussion, we narrowed our list down from hundreds of candidates from across North America to the Top 100 Winners.”

“We believe that Centric Software embodies the vision, drive and innovation that define a successful entrepreneurial venture,” continued Vieux. “Centric should be proud of its accomplishment, as the competition was very strong.”

Red Herring’s editorial staff evaluated companies on both quantitative and qualitative criteria, including financial performance, technology innovation and intellectual property, management quality, business model, customer footprint and market penetration. Red Herring complements this assessment potential with a review of the track record and standing of companies relative to their sector peers, which it says makes the finalists’ list a “valuable instrument for discovering and advocating the greatest business opportunities in the industry.”

“The Red Herring Top 100 Award is a tremendous recognition of Centric’s innovation and industry leadership in providing [PLM software for retail, fashion, footwear, luxury and consumer goods companies](#),” says Chris Groves, president and CEO of Centric Software. “The award truly distinguishes Centric, and acknowledges many of the company’s key achievements, such as its customer acquisition track record, recognition as best-in-class PLM product, industry-first mobile apps, [Agile Deployment\(SM\)](#) implementation methodology and rapid customer return on investment.”

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D/C/CADD Expands with Second Austin Location

28 May 2013

[D/C/CADD](#), an Autodesk solutions provider offering software and services to the building, fabrication, infrastructure and manufacturing communities, announced the opening of a second office location in

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Austin to support its rapidly growing business in the central Texas area.

As an Autodesk Gold Partner, D|C|CADD has shown that they have made a significant investment in their people and that they provide a high level of knowledge and support to customers in the architecture, engineering, construction (AEC), fabrication, infrastructure and manufacturing industries.

“Consistently delivering excellent service and support has been a priority for us since I started in the company in 1987. Being responsive to our customers’ needs for expert help is in our DNA – everything we do is wrapped around this basic philosophy,” stated D|C|CADD President Doug Wietbrock. “This contributes to our continued growth. Expanding our offices in Austin will allow us to better serve our growing customer base.”

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HingePoint Announces AEC Technology Autodesk Partnership

29 May 2013

[HingePoint](#), a Dallas AEC consulting and technology firm, announced it will support the 2013 and newly released 2014 software portfolio for building architecture, engineering, and construction industries from [Autodesk, Inc.](#) HingePoint offers 20 years of innovation for retail and hospitality clients on AutoCAD, Revit, and Autodesk Buzzsaw platforms, so it was finally time to make it official and cement the HingePoint and Autodesk relationship by becoming official partners in the Autodesk Development Network (ADN).

Enhancements for Autodesk Building Design Suite 2013, Autodesk Infrastructure Design Suite 2013 and Autodesk Plant Design Suite 2013, together with expanded cloud services and improved collaboration and data management tools, are aimed at helping design, engineering and construction professionals address today’s business challenges with enhanced Building Information Modeling (BIM) workflows.

The partnership with Autodesk extends back many years helping AEC clients maximize their investment in Autodesk by extending, enhancing, and integrating Autodesk products into the enterprise. The results are improved efficiency, new capabilities, and greater profitability for our clients. “It has been a great relationship so far,” says Bryce Finnerty of HingePoint, “Autodesk has been an excellent partner, have really helped us innovate with the Autodesk Platforms, and exchange new ideas about what is possible for our mutual interests as we share the same clients in many cases. A HingePoint client is an Autodesk client so a mutual goal is to bring value to our clients.”

HingePoint has created many [world-class solutions](#) that are unique to the industry by creating custom adaptors and connectors to integrate Autodesk into new applications and systems. HingePoint solutions have been benchmarked by the Autodesk Technology Council for Retail and Hospitality industries. The

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innovations connect Autodesk to other platforms like Autodesk Buzzsaw, Microsoft SharePoint, IBM Tririga, Oracle Platforms, and Adobe Dynamic Forms. It is possible to even search and map Autodesk data using Google Earth. HingePoint also specializes in optimizing Autodesk tools through the creative use of the [Revit and CAD APIs](#), custom Plug-ins, and is planning for a suite of Autodesk Apps for 2013 to put in the Autodesk App Exchange.

Specialists at solving problems for clients using the existing platforms they already own and operate. Through enhancements and integrating tools together clients streamline workflow, data, information, and gain efficiencies and productivity that translate to growth and profitability for their business.

“Our design suites and cloud services help meet the demand for BIM by providing access to a broad set of tools that support projects from conception to construction,” said Amar Hanspal, senior vice president, Information Modeling and Platform Products Group, Autodesk. “The 2013 software portfolio offers significant additions to the design suites, as well as expanded web services that allow our customers to collaborate more effectively and access information from anywhere at any time.”

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Joint Venture Contract Signed Between AVIC-BIAM and ESI Group

30 May 2013

ESI Group announces the signature of a Joint Venture contract with BIAM, the Beijing Institute of Aeronautical Materials. Under the terms of the contract the parties agree to establish and operate the Joint Venture company "AVIC-ESI (Beijing) Technology Co. Ltd." to address the important needs of China's aerospace and astronautics industries for Virtual Engineering. Signature of this contract completes actions initiated by a strategic partnership agreement in June, 2011 and the signature of a Joint Venture framework agreement in November, 2012.

BIAM, a core scientific Research Center of AVIC (the Aviation Industry Corporation of China), is China's only institute for research in advanced materials and manufacturing technologies for aeronautical applications. Through its subsidiary BAIMTEC Material Co. Ltd it is also an important supplier of titanium castings and other manufactured components to global companies including Airbus, Boeing and Safran-Snecma.

Within the frame of the Joint Venture, BIAM's expertise in the manufacturing, testing and characterization of advanced materials and components will complement ESI's strengths in Virtual Manufacturing and Virtual Testing, to support the enhancement and effective deployment of Virtual Prototyping.

Stated ambitions of the Joint Venture include providing leadership in the application of Virtual Engineering for innovative product development and serving as an example to other Chinese high technology enterprises.

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The event marking the signing of the Joint Venture contract was held at BIAM's principal establishment in Beijing and joined by an official representative of the Ministry of Industry and Information Technology (MIIT) of China, by representative Executives of many business units of AVIC, including AVIC Foundation Technology Institute (AVIC TECH), BIAM, and by ESI Group.

Opening the proceedings, Dr. Dai ShengLong, President of BIAM reviewed the evolution of the collaboration over the past two years and emphasized the mission to "co-create up-to-date solutions based on innovative materials and digital prototyping" and to "continuously generate new IP with commercial potential". The purpose of the joint venture is not only to catch up but "to leap ahead, propelled by virtual technology".

Dr. Alain de Rouvray, Chairman and CEO of ESI Group expanded on the theme of Dr. Dai, noting that, in particular, ESI's global and strategic automotive customers are in several important domains significantly ahead of the aerospace sector in their use of Virtual Product Engineering, allowing them to spur innovation and manage drastic reductions in product development costs and delays. "Our commitment is to apply our expertise and global resources to achieve a world leading position in delivering innovative digital based solutions, enabling China's aviation sector to benefit from the best in class digital engineering and then gradually influencing other industry sectors as needs emerge".

Then, Mr Rong Yichao, Chairman of the Board of AVIC TECH and President of AVIC Foundation Technology Institute congratulated the parties on the formation of the Joint Venture, especially as he recognized ESI as the leading CAE software company in Europe. He highlighted that AVIC has a strategy to actively participate in the global aviation industry chain, stating that "Our cooperation with ESI is a big step forward towards this goal, and the Institute is ready to support the Joint Venture in any manner that will assure its success".

Finally, Mr. Li BenJian, Deputy Director of the Equipment Manufacturing Industry of MIIT likened the cooperation between AVIC-BIAM and ESI to two strong hands joining together. He reminded the audience of the government requirement to "quicken the combination of information technology and industrialization", expressing the hope that the Joint Venture will "use and promote digital technology to upgrade the present structure of the Chinese aviation industry". He instructed AVIC to use the Joint Venture to set an example for other industries to follow.

Subject to final approval of the relevant Chinese authorities, the business of this new Chinese Joint Venture company, AVIC-ESI (Beijing) Technology Co. Ltd. will include the commercial distribution of ESI's Virtual Engineering standard software solutions; associated hardware for computation and immersive visualization; related technical support services and validation engineering studies. Also projects of "co-creation" will be defined that could allow emergence of new solutions with a potential for distribution both in China and through the global distribution network of ESI Group. The scope of activity will be within the Aerospace and Astronautics industrial sectors and other related and mutually agreed organizations to which AVIC-BIAM provides essential materials and technology services.

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The parties reaffirmed their conviction that their many technical synergies and the spirit of team work evident since the signature of the strategic partnership in 2011 give cause to believe that the new venture will rapidly prosper and will bring sustainable success and concrete mutual benefit.

ESI Group has been directly represented in China since 2004 by a subsidiary company and currently has offices in Beijing, Shanghai and Chengdu, and today has customers in diverse industry sectors. In addition to activities that support business in China, ESI China maintains a team in Shanghai that is dedicated to development of advanced computer models for use in the automotive industry for passenger and vehicle safety assessment, including human models and crash barriers. ESI China will continue to develop independently its activities in China outside the aerospace and astronautics sectors, and to address directly the local needs of its global customers, most especially those in the ground transportation and energy industries.

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Kelar Pacific, LLC Announces an Exclusive Partnership with CTC in California

29 May 2013

[Kelar Pacific, LLC](#), an Autodesk Gold Partner is proud to announce a new partnership with [CTC](#), also an Autodesk Gold Partner. This partnership will focus on bringing the [Revit Express Tools](#) to more users across the United States.

The Revit user community has enthusiastically embraced the [Revit Express Tools](#) with over 3,500 users leveraging these unique solutions. The [BIM Project Suite](#) is among the most downloaded apps on Autodesk Exchange.

"CTC is proud to include Kelar Pacific in our reseller network," said CTC's president, Saeid Berenjian. "As more Revit users look to increase their productivity and efficiency with the Revit Express Tools, CTC looks to companies like Kelar Pacific to support the expansion."

The [Revit Express Tools](#) have been packaged into two suites- the [BIM Manager Suite](#) and the [BIM Project Suite](#). The BIM Project Suite was created to increase design productivity with Revit's existing commands as well as extend the power of BIM by offering new tools for users who wish to gain a competitive edge. For people who are managing Revit content and projects, the BIM Manager Suite contains tools to help standardize, protect, and quickly make changes to and manage Revit families and projects.

"Kelar Pacific is always looking to add innovative and cutting-edge project solutions to our portfolio. We are very excited to offer these productivity tools to our clients and we have been receiving positive feedback from the design community. These tools - through enhanced productivity and implementation of standards - have a very positive impact on the reduction of time and labor in construction documentation," stated Mo Mansoura, President of Kelar Pacific, LLC.

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Lectra Appoints Shane Cumming as Vice President of Sales, Fashion for North America

28 May 2013

Lectra is pleased to announce the appointment of Shane Cumming as vice president of sales, fashion for North America. Based in New York, he reports to Roy Shurling, president of Lectra North America.

Shane Cumming is responsible for strengthening Lectra's relationships with its fashion customers in North America. He will also provide them with long-term support in overcoming their challenges, and help them develop their strategies for the future. "As a fashion technology expert, Lectra is in a unique position to bring a significant competitive advantage to its customers. The breadth of our offer dedicated to the fashion industry, coupled with our 40-year history of meeting fashion business needs through advanced technology, drives this value creation," said Roy Shurling. "Shane's deep understanding of fashion customers' needs will help them evolve as brands."

"As the North American fashion market continues to undergo a recovery, consumers are becoming increasingly sophisticated. They now make their purchasing decisions based on more than just price alone—they look to quality and fit, how the clothes make them feel, as key differentiating factors. Time to consumer, cost and efficiency will remain major drivers for fashion companies in the coming years, but they will now need to go further and put an emphasis on improving these qualitative aspects," commented Daniel Harari, Lectra CEO.

"Lectra's innovative technology, especially its 3D virtual prototyping solution, allows fashion companies to reduce cycle time and cost, dramatically improving efficiency; and enhance the control of quality and fit. Its fashion-specific PLM platform facilitates quick and effective decision-making, as everyone involved in the process has real-time information, communicated in a visual way. Collaboration is Lectra's focus as we work with leading fashion companies to help them bring collections to market," added Shane Cumming.

Shane Cumming has 20 years' experience in leading account management and sales teams to deliver enterprise solutions for the fashion industry. Prior to joining Lectra, he spent 10 years at Infor (formerly Lawson Software and Intentia), progressing through product and regional sales management positions, most recently serving as vice president of fashion sales for North America. He holds a Bachelor of Commerce degree from Queen's University in Canada.

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Moldex3D and PME fluidtec enter into a Joint Development Agreement for Fluid Injection Molding Process Productivity Enhancement

27 May 2013

CoreTech System (Moldex3D) Co., Ltd., and PME fluidtec, announced their new partnership with each other.

PME fluidtec is an experienced specialist precision engineering company in the field of fluid injection (Water Injection Technology/Gas Injection Technology), dedicating to the development, process support and production of components and installations for fluid assisted injection molding using water or gas cavity pressure technology for over 10 years.

“Fluid injection molding technologies have received extensive attention in recent years as it enables greater freedom of design, faster cycle time, material savings, weight reduction, and cost savings,” said Friedrich Westphal, President of PME fluidtec. “We firmly believe CAE simulation technology for fluid-assisted injection molding can help our customers avoid undesirable developments at the product and mold design stages, reduce development time and cost, as well as optimize the process and mold design by visualizing 3D flow behavior. We are very pleased about this collaboration with CoreTech System (Moldex3D) to develop a truly representative CAE simulation tool for fluid injection molding process.”

Dr. Venny Yang, President of CoreTech System (Moldex3D) noted “We are excited to be working with our new partner in fluid injection molding filed for further enhancing fluid injection molding process predictability and productivity. We firmly believe that a precise 3D CAE simulation tool can allow our users investigate the real production process and increase manufacturability.”

CoreTech System (Moldex3D) and PME fluidtec are jointly establishing a detailed plan and specifications for following development and validations. The enhanced capabilities are expected to be available soon.

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Nemetschek Vectorworks Establishes Local Presence in Chicago and Los Angeles with Regional Account Managers

30 May 2013

Nemetschek Vectorworks, Inc., a provider of CAD and Building Information Modeling (BIM) software solutions, is pleased to announce an expansion to the Chicago and Los Angeles areas by hiring regional account managers to serve as the company’s local representation. The new employees, Patrick Schmitt (Chicago) and David Dengler (Los Angeles), assumed their roles in March 2013.

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“Nemetschek Vectorworks’ headquarters in Columbia, Maryland has grown substantially in the past two years, and now we’re taking it to the next level by establishing a local presence in Chicago and Los Angeles,” said Stewart Rom, CMO of Nemetschek Vectorworks, Inc. “Having additional support in these major cities will provide us the opportunity to build better relationships with our customers and the architectural and design communities. We are very excited that Patrick and David have joined the Nemetschek family and hope to continue adding to it in the future.”

Prior to joining the Nemetschek Vectorworks team, Schmitt developed new markets for a start-up company, and consulted with engineering, construction and design/build firms. In addition, he was an IT sales manager and a regional sales manager with Chicago printing companies. Schmitt earned a bachelor of science degree in business administration from the University of Nebraska-Lincoln.

Before joining Nemetschek Vectorworks, Dengler was a designer with Adler Display, the national leader in trade show displays, custom display environments, signage and graphics. Prior to that, he was an iPhone/iPad application developer, and a project designer/manager with several architecture firms in California. Dengler possesses extensive CAD software experience, including first-hand knowledge of Vectorworks software and its rendering capabilities. He holds a bachelor’s degree in architecture from the Southern California Institute of Architecture in Los Angeles.

Nemetschek Vectorworks also plans to host two Vectorworks Architect 2013 training sessions on June 13 at the MicroTek training facilities in Chicago, Illinois, with an opportunity for attendees to earn three AIA learning unit hours. The first session will be offered in the morning from 9:00 a.m. to 12:00 p.m. and the second in the afternoon from 2:00 to 5:00 p.m. CT. The cost to attend either session is a \$10 donation to the Vectorworks Student Scholarship program. Please visit the Vectorworks Architect 2013 Training registration page (<http://www.eventbrite.com/event/6142218541/pr>) for more information and to register.

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PCO Innovation and PTC Reinforced their Strategic Partnership

7 May 2013

PTC and PCO Innovation announced the signing of a strategic agreement positioning PCO Innovation as a key partner in PTC’s “ServiceAdvantage” Program.

This partnership strengthens the already existing synergy between the two companies. Throughout the past couple of years, PCO Innovation has developed its skill-set on PTC products and has built one of the most efficient PTC technology service centers in the market.

PCO Innovation recruits top talent and places a strong emphasis on internal training programs to ensure that technical and functional experts, around the globe, are at the forefront of Windchill technologies.

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This partnership creates added-value for organizations looking to implement PLM projects in all business sectors, particularly in the aerospace, automotive, high-tech, energy, industrial equipment, life sciences, consumer packaged goods and construction industries. Clients gain a holistic approach that combines services with software solutions.

M. Olivier Letard, co-founder of PCO Innovation, highlighted “We have supported PTC’s “ServiceAdvantage” program since its creation as it allows our clients from around the world to benefit from the excellence and know-how of both companies.”

“PTC’s market leading PLM solutions enable our customers to gain competitive advantage by enabling them to make better strategy and planning decisions”, explains Marc Diouane, PTC’ Executive Vice President of Global Services and Partners. “The ServiceAdvantage Program is one of the ways that we support providing a full suite of offerings to our customers”.

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Siemens’ new Learning Advantage for Academia aids Manufacturing Competitiveness

28 May 2013

Siemens is providing the global academic community with on-line access to the industry’s most complete library of product lifecycle management (PLM) software training courses. The new Learning Advantage offering will help better prepare students for jobs in today’s highly competitive manufacturing industry. The offering allows students to augment classroom learning with anytime access to training in Siemens’ NX™ software, Teamcenter® portfolio and Tecnomatix® portfolio through the same courses used by leading commercial manufacturing companies worldwide to train their employees. An individual subscription to the entire library of more than 1,000 self-paced courses is being made available to technical high-schools, colleges and universities for less than the cost of an average single textbook. Siemens’ PLM software is currently in use in more than 11,000 academic institutions around the world.

“There is simply not enough time in our curriculum to cover every aspect of the soft-ware,” said Nate Hartman, assistant department head and associate professor, Department of Computer Graphics, Purdue University. “The projects we ask students to perform in NX and Teamcenter require them to dig a bit deeper than the concepts we demonstrate to them. So Learning Advantage helps us supplement what we demonstrate to the students in class and also helps us keep our faculty’s skills sharp.”

The ability to enhance and grow an effective talent base is core to competitiveness among traditional manufacturing leaders and, increasingly, among emerging market challengers, according to the [2013 Global Manufacturing Competitiveness Index](#) from Deloitte Touche Tohmatsu Limited. The Index found that access to talented workers is the top indicator of a country’s competitiveness, followed by factors like foreign trade, financial and tax systems, and the cost of labor and materials.

CIMdata PLM Industry Summary

Siemens' Learning Advantage allows teachers and students to supplement their classroom and lab experience by providing hands-on, web-based interactive learning on the same software technology used by more than 71,000 leading manufacturers around the world. Self-assessment tools enable students to measure and validate application knowledge as well as track and record their progress throughout each course. This helps them fortify their engineering skills and enhance their resumes for potential job opportunities.

“We've heard from the global academic community that engineering classroom and lab time is focused on software training in basic concepts, leaving little time for advanced instruction,” said Bill Boswell, senior director, Partner Strategy, Siemens PLM Software. “Through the use of Learning Advantage, students and educators can augment their educational experience using the same training courses that their potential future employers use every day. And in the US, Community Colleges play a unique role in retraining workers and educating students for skilled manufacturing jobs.”

“Learning Advantage is a great tool for both educators and students,” says Joe Vanstrom, instructor and program chair, Iowa Western Community College. “Learning Advantage helps students isolate issues and provides a concise learning plan to address them. Its self-paced format helps me stay ahead of my students and develop comprehensive lesson plans covering sometimes overlooked features in the software. In the future, I will also use Learning Advantage's online assessments for testing my students' skills.”

Learning Advantage academic subscriptions are available immediately with courses in English, German, Chinese and Japanese languages. For more information, please visit http://www.plm.automation.siemens.com/en_us/academic/resources/training/index.shtml

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TopSolid'Wood 2013 at Ligna

27 May 2013

Missler Software recently presented the new features of TopSolid'Wood 2013 at Ligna, the international trade fair for the forestry and wood industries, which was held in Hanover from 06 to 10 May.

TopSolid'Wood is an integrated design, manufacturing and management (CAD/CAM/PDM) software specialized for wood processing. It is made up of comprehensive standard components and processes specific to the wood industry. It offers powerful modeling functions, optimized assembly management and facilitated communication with customers and manufacturing.

The integrated CAD/CAM TopSolid'Wood 2013 solution is already available worldwide and offers many new functions and improvements with time and productivity gains being the main benefits for the TopSolid user.

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- **Modeling:** TopSolid'Wood 2013 offers a new version of the constraint block that allows non parallel faces, leaving the user free to create quadrilateral or triangular parts without sketch.
- **Standard Components:** For greater efficiency in the assembly, new options have been added to the driver block (multi-inclusion, double wrap...). In addition, a new function for component distribution is now available and can be very useful for interior design projects.
- **Ergonomics:** A new function for project presentation allows users to save appearances of Design, Draft and CAM documents, with the possibility to generate a realistic rendering for each presentation.
- **Machining:** The rails and pods positioning of TopSolid'WoodCam has been improved and provides to users new features in order to fully satisfy their needs. Multi-machining, crucial link of the integration between TopSolid'Wood and TopSolid'WoodCam, also allows them to automatically create setup sheets for each part. Finally, the Ardis interface has been enhanced to allow users to export machining operations for simple parts, in addition to the cutting list.
- **TopSolid'Planner:** A new panel brush is now available to ensure that matters and edges are managed in the best possible way. Additionally, it is now possible to manage detailed quotes by showing the subcomponents of an element on several quote lines.

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Events News

ASCON to Hold C3D and PLM Briefings at COFES Russia 2013

27 May 2013

From May 30 to June 1, COFES Russia 2013 will be held in St. Petersburg. ASCON Group is an official partner of the congress on the future of engineering software, and will host technology briefings, such as about the newly released C3D kernel and on the prospects of PLM for small- and medium-size businesses.

COFES is a series of annual conferences presented by Cyon Research, including in Russia. They provide a platform for cross-industry discussions on software tools used for design, engineering, manufacturing, and construction. COFES brings together a community of software vendors, developers, resellers, analysts, and users for private and public discussions in a relaxed, informal, yet intense atmosphere.

COFES Russia this year unites leaders, analysts, developers, and other professionals representing the CAD community from the world and Russia. The event will focus on the intersection of global trends, and the potential for those trends to positively impact businesses in Russia.

The 2013 Russian congress will open with a seminar presented by ASCON on the C3D geometric kernel (see ascon.net/main/news/items/?news=1505). C3D Product Director Oleg Zykov will present the team

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that developed C3D, and the history of the kernel. Later during COFES, ASCON will hold technology briefings on the topics of "Moving from Individual to Collaborative Design" and "The Role of PLM for Small Firms."

ASCON along with other industry leaders will participate in a plenary discussion titled "Perspectives on PLM." Representing ASCON will be Nikoly Nyrkov, CEO of DEXMA Labs (www.dexma-plm.com), the ASCON subsidiary developing Web-based PLM systems.

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Autodesk to Present at the Bank of America Merrill Lynch Technology Conference

29 May 2013

[Autodesk](#), Inc. today announced that Mark Hawkins, chief financial officer, will present at the Bank of America Merrill Lynch Technology Conference in San Francisco, Wednesday, June 5 at 2:30 p.m. Pacific Time. A live webcast, replay and podcast of the presentations will be available through Autodesk's Investor Relations Website at www.autodesk.com/investors. Please go to the website at least 15 minutes early to register, download and install any necessary software. For more information, please call Autodesk Investor Relations at 415-507-6705.

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AVEVA Exhibits at Nor-Shipping 2013

29 May 2013

AVEVA announced today that it is exhibiting at Nor-Shipping 2013 taking place 4-7 June in Lillestrøm, Norway. On booth B04-26 in Hall B, AVEVA staff will be on hand to discuss and demonstrate its Integrated Engineering & Design and Information Management products.

The showcase will include:

- AVEVA's Integrated Engineering & Design products from the AVEVA Marine™ portfolio, an integrated suite of software for the design and construction of every type of ship and offshore project.
- Laser scanning and how AVEVA's portfolio of products such as AVEVA Laser Model Interface™ and LFM Server™ can assist with ship modification projects and offshore revamp projects.
- AVEVA Bocad Offshore™ which provides a powerful toolset for the design, detailing, fabrication and construction of every type of steel structure.
- AVEVA Everything3D™, AVEVA's brand-new plant design software, that drives the adoption of Lean Construction by enabling EPCs working on Offshore projects to break down barriers

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between design and construction, reducing overall project cost, schedule and risk.

- The integrated AVEVA Enterprise Resource Management™ suite of applications that support the entire ship design and production process.

Thomas Branden, Country Manager, EMEA-North comments, “Nor-Shipping is the ideal opportunity for our customers and prospects to see AVEVA showcase its continual commitment to the marine and offshore industry. We are demonstrating not only our breadth of Integrated Engineering & Design, but how we can offer enterprise resource management capabilities across the entire engineering project management and execution process.”

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AVEVA Presents at High-Profile Alberta Events

28 May 2013

AVEVA announced today that it is presenting at two key industry events in the Alberta region of Canada.

- **Innovation in Construction Forum 2013** hosted by the Hole School of Construction Engineering at the University of Alberta takes place June 9th – 11th, 2013 at the Edmonton Expo Center, Edmonton, Alberta, Canada.
- **The SPED Members Annual General Meeting (AGM)** takes place June 13th, 2013 at the The Belfry Gastro House, Calgary, Alberta, Canada.

At the Innovation in Construction Forum 2013, AVEVA will speak in the Plenary Session ‘Challenges in Industrial Construction’ on the morning of Monday, June 10th. The presentation, *Building Excitement: AVEVA’s solution for Advanced Workforce Planning*, will discuss how AVEVA has successfully developed cutting-edge software for the capital project construction industry. This solution enables accurate planning by maximising the use of site resources and planning in job-level detail, while integrating with 3D modelling, procurement and material management systems. The subsequent reduction in idle time and enhanced project control is helping companies to meet increasingly tight project schedules.

At the SPED Members AGM, AVEVA will be presenting its newly launched Integrated Engineering & Design solution, [AVEVA Everything3D](#) (AVEVA E3D), enabling plant design for lean construction. The presentation will also include a high-level overview of AVEVA’s continued support for SPED, and its associated Chapters, across North America.

“We work closely with organisations such as SPED and the Hole School of Construction Engineering to further strengthen our relationships with both industry and academia,” said William Muldoon, Executive Vice-President – North America, AVEVA. “Both events give the opportunity to show how our software can increase business performance across a wide range of industries. We look forward to these two events, which will provide us with ideal opportunities to showcase our open, flexible software.”

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CCE Showcases Free Software at Siemens PLM Connection 2013 Conference

31 May 2013

CCE announces its participation at the Siemens PLM Connection, Americas User Conference 2013, taking place in Dallas, TX at the Sheraton Dallas Hotel, June 3-6, 2013.

At Booth #18, CCE will be discussing technology solutions to automate processes, ease workflow and leverage CAD data. The CCE Labs page offers free advanced tools for engineers, administrators, tech gurus and more.

“We are excited to introduce CCE Labs at PLM Connection,” said CCE’s V.P. of Sales & Marketing Vinay Wagle. “CCE Labs free online engineering software is the perfect resource for those looking to increase productivity on a daily basis.”

CCE will show attendees how to view the page using QR code scan technology and review the benefits of downloading valuable engineering software for free. Besides Labs, CCE personnel will be available to discuss its EnSuite software and flexible Engineering and PLM services model that accelerates innovation and helps maximize investment in CAD & PLM.

Siemens PLM Connection is the industry’s premier event for users of Siemens PLM Software like NX, Solid Edge, Teamcenter etc. The conference offer platforms for attendees to discuss real-time problems, identify best practices, attend hands-on training and technical sessions as well as network with other users in the Siemens PLM ecosystem.

For additional information about CCE Labs visit, <http://www.cadcam-e.com/Labs>. Learn more about the Siemens PLM Connection, Americas User Conference 2013 by visiting http://www.plmworld.org/2013_event.

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CimatronE Live Milling with Mitsubishi at Feimafe, Brazil

30 May 2013

[Cimatron Limited](#) today announced that its integrated CAD/CAM software, CimatronE, will be powering the Mitsubishi Machine Tools' live milling demonstration at the Feimafe trade show in São Paulo, Brazil, June 3-8, 2013.

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"Cimatron is investing more than ever before in the Brazilian manufacturing field, assisting local mold and die makers in significantly boosting their productivity," said Alexandre Censi, Cimatron's country manager for Brazil.

"The five local resellers of our integrated CAD/CAM solution, CimatronE, offer an exceptionally high level of localized support to ensure that Brazilian mold and die shops benefit from the full range of CimatronE's dedicated mold and die design and NC programming capabilities. With offices across the main industrial regions, our resellers provide tailored training and technical support in line with shops' specific needs."

The live milling demonstration at Feimafe powered by CimatronE will be held at the booth of Mitsubishi Machine Tools (#J14). The parts to be milled with the DEV1000 and TV 500 machines include a blow mold for the base of a plastic soda bottle, employing a range of capabilities that enable the creation of an accurate, smooth toolpath, mirror-finish part quality, and the use of short tools for safe tooling with minimal vibration.

CimatronE functionality will also be showcased at Feimafe at the Cimatron booth (#P71). Representatives from Brazilian resellers Autoflow, Cimacad, Delcon and Fitso will be on hand to demonstrate the new and enhanced CAD and CAM modules in the latest version of the software, CimatronE 11.

More information on CimatronE 11 can be found at <http://launch.cimatron.com>

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COFES Russia 2013 Begins in Peterhof

30 May 2013

Cyon Research welcomes attendees to the opening of *COFES Russia 2013*. The focus of *COFES Russia 2013* is the intersection of global trends and the potential for those trends to impact business in Russia. The event is being held May 30-June 1 in Peterhof, Russia at the New Peterhof Hotel.

Widely recognized as a think-tank event, COFES gathers vendors, users, press, and analysts together to discuss the most important issues facing both customers and providers of design and engineering technologies. The event provides a relaxed and informal atmosphere designed to foster thoughtful conversation. Key to the success of COFES is its briefings and roundtable discussions, where participants explore trends and technologies of engineering software that will drive future innovation.

"COFES provides a forum for industry leaders worldwide to gather and discuss the past, present, and future of design and engineering software," explains Brad Holtz, Cyon Research President and CEO. "*COFES Russia 2013* is the first multi-day COFES held outside of the United States. Our goal for this

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event is to help attendees gain renewed excitement, insights, and opportunities that will advance future software design and engineering worldwide.”

Jack Byers, chief executive officer of VMI (www.e-vmi.com), will give the Friday keynote address: “Past, Present, and Future of Engineering Software.” This presentation will discuss how the next big developments will fuel subsequent generations and present opportunities for Russia and beyond.

Yurii Udaltsov, board member and director of innovation-based development at the Russian Corporation of Nanotechnologies (Rusnano), will give the Saturday keynote, “Investing in Technologies for Innovation”. Udaltsov will discuss Rusnano’s experience in material-based high-tech investment and the role of IT technologies as an enabler of high-tech innovations. In addition Udaltsov’s keynote will focus on integration into the global innovation process, as well as developments in Russia as a potential source of engineering, IT and R&D source for innovation start-ups.

COFES Russia 2013 will follow the format of its parent event, the annual COFES in Arizona. For COFES Russia, the conversation will be bi-lingual (English and Russian with simultaneous translation), focusing on discussions at varying scales.

COFES Russia participants agree that attending COFES events are invaluable:

- "Since 2000, Tech Soft 3D has attended COFES events to share ideas and technologies with thought leaders in the industry,” explained Ron Fritz, CEO, Tech Soft 3D. “COFES Russia is a new opportunity to engage with professionals from the rapidly expanding Eastern European market. Through COFES Russia, our goal is to better understand Russia’s specific needs and provide businesses with leading software tools that will help them get innovative products to market faster.”
- "The Autodesk Russian office would not miss such an event as COFES Russia,” continued Alexey Ryzhov, Director at Autodesk in Russia and the CIS. “It gives us a rare opportunity to exchange information with CAD ecosystem members--not only from Russia, but also from the entire global community. In disputes, the truth is born. COFES discussions regarding the trends in CAD/PLM stimulate the emergence of new ideas for all market participants, and thereby facilitate its development.
- “ASCON sees its development on a worldwide scale at the global market,” added Maxim Bogdanov, CEO of ASCON Group. “COFES presents the CAD world market in constant movement—in way place in a concentrated way. Participants discuss future trends, establish new partnerships, test alternative business models, accept or refute new technology solutions. The ability to consider and to implement the insights gained at COFES into products is a valuable advantage for any developer. Thanks to contacts we made at COFES, we have acquired international technology partners, and our users have acquired new products for their developments.”

To view the full agenda of COFES 2013, please

visit: www.cofes.com/Events/COFESRussia2013/Agenda/tabid/612/Default.aspx

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Edgecam More Than Doubles UK Training to Meet Demand

29 May 2013

An independent CNC applications and training consultant is calling on manufacturers to keep up with fast-moving developments in machine tools and CAM software, or risk becoming uncompetitive and getting left behind.

And users of Edgecam software agree that training is vital. So many engineers wanted to learn about the latest release, 2013 R2, that the company had to more than double its number of UK upgrade training days to meet demand.

David Garner, owner of David Garner Applications and Consultancy, says companies who fail to send employees on training courses to learn how to make the best possible use of CNC software are missing a trick. “I spend a lot of time with manufacturers who aren’t getting the best out of their technology because they’ve not been trained on the latest version.

“New users readily embrace the latest technology because they don’t have any ‘baggage,’ but a lot of existing users don’t like change, or coming out of their comfort zone.”

He says it is particularly important for people to be fully trained on Edgecam’s new Workflow, introduced in 2013 R2, which has been specifically designed for manufacturers to reduce costs and improve quality even further, while hitting shorter lead times. 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.

Which means operators will be able to apply toolpaths within seconds. “Think of going from line drawings to solid models – a lot of people haven’t made that transition, and Edgecam’s Workflow and new launcher application is the same thing. It’s a big sea change bringing huge benefits, and people who don’t take it up will get left behind.”

Edgecam typically runs eight training days for a software release, each catering for up to eight delegates. But demand for training on Edgecam 2013 R2 has been so great that they had to extend the course to 20 days. Support Manager Jason Taylor says many users heard about the completely new interface, including the introduction of a ribbon toolbar, and wanted proper training on it.

But he agrees with David Garner that it is equally important to undertake regular training to get the very best out of software investment. “Users who don’t attend upgrade training miss out on what the new functionality is used for, how to use it, what it can do for them and how it will make their businesses more efficient.”

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He says Edgcam is constantly developing new functionality to improve manufacturers' processes, speed up their programming and generate better quality toolpaths. "So those who regularly attend upgrade training see the new functionality and understand how to use it to improve their processes and machining times, helping them to reduce costs and become more competitive. But by missing out on training, manufacturers aren't moving forward and aren't as competitive as they could be."

Peter Rank, whose company Rank Brothers Ltd. manufactures scientific instruments, always tries to attend at least one upgrade training session a year. "It's always valuable to find out what's new in each release and learn how to use it properly. If we didn't have training we probably wouldn't know about some of the new functions, and we certainly wouldn't know how to utilise them to get the best out of Edgcam."

- The Edgcam training days are held at the company's offices in Reading, Wakefield and Bath, and at business partners' premises.

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New York City Department Of Buildings To Keynote Event On NYC Building Information Modeling (BIM) Site Safety Guidelines

29 May 2013

[Microdesk](#), a provider of business and technology consulting services to help firms successfully plan, design, build and operate land and buildings, announced that it will host "[Setting the Standard](#)," a panel discussion and networking event, on Wednesday, June 12, 2013 from 7:30–10:30 AM ET at [The Times Center](#) in New York, NY. The session will focus on an increasing trend in New York towards the adoption of technologies and processes that enable smarter building, and will feature a keynote from Christopher M. Santulli, PE, Assistant Commissioner for Engineering and Safety, [New York City Department of Buildings](#) (NYC DOB).

In his keynote, Santulli will announce the NYC DOB's release of new BIM guidelines that will set a citywide standard for project delivery with the goal of increasing efficiencies and ensuring a safer, more sustainable New York. He will also discuss how the new BIM Site Safety Submission Guidelines and Standards will enhance coordination between contractors and inspectors, ensure faster approvals and improve the overall quality and safety of construction.

In addition, the event will feature an informative industry panel discussion with the following speakers:

- James P. Barrett , Integrated Building Solutions, [Turner Construction Company](#)
- Joseph G. Mizzi , President, [Sciame Construction](#)
- Aaron Gonzales , Assoc. AIA, LEED AP+BDC, Director of BIM Services, [Plaza Construction](#)
- Michael DeLacey , President, [Microdesk](#)

Panelists will explore the role BIM has played in delivering several major New York projects, including

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the World Trade Center Redevelopment Transportation Hub and MTA Fulton Street Transit Center, as well as the benefits contractors have realized through the process.

"Building owners and agencies are increasingly driving the adoption of BIM by issuing guidelines that standardize the project delivery process, and New York City is leading the way," said Microdesk President, Michael DeLacey. "The NYC DOB's BIM Guidelines represent a new and innovative approach that looks to BIM as a means of better managing safety throughout construction and operations and maintenance."

Interested in attending to discover how organizations can prepare to meet the BIM project delivery requirements for the City of New York?

Register for "Setting the Standard" here: <http://www.microdesk.com/nycbim>.

Date: Wednesday, June 12, 2013

Time: 7:30 - 10:30 AM ET

Location: The Times Center, 242 West 41st Street, New York, NY 10036

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Top Systems and LEDAS Present Brand New Geometric Kernel RGK at COFES Russia 2013

27 May 2013

The RGK 3D geometric modeling kernel will be [presented](#) for the first time by Top Systems and LEDAS at COFES Russia 2013, the congress on the future of engineering software. COFES is organized annually by [Cyon Research](#), and its first three-day Russian event takes place beginning May 30 in Saint Petersburg.

RGK was developed over last two years by a team of high-tech CAD companies and academic laboratories, under the supervision of STANKIN, the Moscow State Technological University. Top Systems and LEDAS will present RGK as key developers on behalf of STANKIN. [Top Systems](#) is a leading private CAD/CAM/CAE/PLM Russian software vendor, and [LEDAS](#) is a provider of software development services and a developer of high-tech CAD components aimed at the global market.

The world's newest geometric modeling kernel consists of a set of high-tech software components that cover functions found in existing kernels, such as ACIS, CGM, and Parasolid. The new software is being developed as a part of a program for advancing the national engineering capabilities of Russia, and is aimed at increasing the competitiveness of Russian software firms on the global market.

"Four key managers of Top Systems are accompanying me to the upcoming COFES Russia 2013 event, and will show several presentations," says Sergey Kuraksin, chief executive officer of Top Systems. "The Top Systems technology suite will be dedicated to our PLM products and their relations with CAD

and ERP.

"We will also present new parametric design capabilities by going through the whole chain of our products," he added. "Top Systems is now intensively expanding the areas covered by our products and expertise, and geometric modeling is one of the directions of our expansion. We recommend that participants of COFES Russia 2013 become acquainted with the [description of RGK](#) issued recently by Top Systems and LEDAS recently; it forms a good basis for discussion at the roundtable."

"Several articles and press releases about RGK were issued before its presentation on the [isicad portal](#) and other Web sites, and so it has already attracted strong interest from industry experts, as well as from the wider audience," said Alexey Ershov, chief executive officer of LEDAS. "We received many requests to demonstrate the capabilities of RGK, and even for obtaining of access to RGK itself. I believe that this demo will answer at least some of these questions.

"RGK is still in development phase and some things may be changed in the future," he added. "It is especially a pleasure for me to present this big project at COFES, one of the most respectable think tanks on engineering software in the world, one that we first visited [attended in 2009](#) and then up to [this year](#). The Russian version of COFES was arranged with the [significant involvement](#) of LEDAS and our isicad web portal."

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TowerJazz Participates at DAC with Major EDA Vendors to Showcase Latest Tools Combined with its Superior Technology

27 May 2013

[TowerJazz](#) announced its participation at the 2013 Design Automation Conference (DAC) being held on June 2-6 in Austin, TX (booth #1736). TowerJazz will host a series of seminars in conjunction with its EDA vendor partners to showcase how these collaborations allow customers clean design flow and higher yield by using mutual tools. For more information on dates and times of exhibitor seminars, please see invitation online <http://towerjazz.com/dac.html>.

In addition, TowerJazz is participating at its EDA partners' user conferences to provide mutual customers with the latest EDA tools and design capabilities to use with TowerJazz's advanced specialty manufacturing processes. TowerJazz participated at the Cadence User Conference (CDNLive) in the US (Silicon Valley) on March 12-13, 2013, at the Munich, Germany event on May 6-8, 2013, and will join the event in Tel Aviv, Israel on October 14, 2013. TowerJazz participated at the Synopsys User Group (SNUG) conference in the US (Santa Clara, CA) on March 25-27, 2013 and will participate at other SNUG events on July 12, 2013 in Japan and August 22, 2013 in China.

At the CDNLive conferences, TowerJazz is presenting the enablement of Cadence Open Access (OA) support for all of its technology platforms and the full reference design flow for mixed mode simulation

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on TowerJazz power management platform. At SNUG, TowerJazz is announcing the official release of the TowerJazz iPDK on its standard logic (TS18SL) and power management platform (TS18PM & TS35PM) that supports Synopsys' Custom Designer and Laker (SpringSoft).

Cadence is the Analog EDA tool leader and Synopsys is the biggest EDA company and digital flow leader. Collaboration between TowerJazz and its EDA vendor partners allows mutual customers clean design flow and higher yield by using mutual tools. For instance, noise analysis tools allow customers higher yield as they can analyze the noise in the design phase rather than after manufacture.

“We are constantly investing efforts in further developing our partnerships with the major EDA vendors. These new releases will enable our customers to use the most updated EDA tools along with our industry leading technology. It will also enable customers the choice for their EDA toolset for analog, digital and mixed-signal design flows by adding the support of iPDK in parallel to the Cadence OA PDK,” said Ori Galzur, Vice President of the TowerJazz VLSI Design Center.

TowerJazz provides a design enablement platform that complements its sophisticated technology and enables a quick and accurate design cycle. TowerJazz provides design kits, IPs and dedicated design services for its process technologies so its customers succeed with first-time working silicon and fast time-to-market. TowerJazz has deep partnerships with major EDA vendors and IP providers to supply its customers with the most comprehensive and up-to-date design solutions available in the market.

For more information on TowerJazz's participation at DAC, CDNLive or SNUG, please visit the company's website: <http://www.towerjazz.com/events.html>.

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Implementation Investments

Al Ajmi Engineering Consultants Selects Proliance Software to Standardize Capital Program Management

29 May 2013

Trimble announced that Dubai-based Al Ajmi Engineering Consultants is standardizing on Proliance® capital program management software across its portfolio of more than 1,200 construction projects throughout the United Arab Emirates (UAE). Using Proliance, Al Ajmi Engineering Consultants can automate critical workflow to improve productivity, streamline document and budget management, and leverage business analytics to better inform decisions. Together, these best practices will help Al Ajmi Engineering Consultants reduce risk, lower construction costs and improve the financial performance of current and future projects.

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Al Ajmi Engineering Consultants has over 20 years of design experience. Founded in 1987, the firm has served a broad range of clients and currently manages over 10 million square feet of construction projects throughout the UAE. The services provided by Al Ajmi Engineering Consultants include all areas of architecture, civil, structural, electromechanical engineering, interior design, supervision and project management. Al Ajmi's portfolio of projects varies between residential building, office building, hotels, banks, retail space, industrial and staff accommodations, private villas, palaces and educational buildings.

"It takes skilled engineers working together to produce high-quality projects, and the UAE has some of the most talented and professional architects and engineers in the world," said Amer Shehadeh, supervision & contracts manager at Al Ajmi Engineering Consultants. "By standardizing on Proliance software, we are giving our employees the best technology and solidifying our company as a leader in project management in the UAE and beyond."

In addition to the company's current projects, Al Ajmi Engineering Consultants is the project manager of the Dubai Sustainable City (DSC), which is scheduled to begin in the second quarter of 2013. The DSC is a USD\$300 million project that will encompass over 113 acres and produce "zero" waste due to the integrated system for waste recycling, sustainable and natural transport means such as horse carts and organic farms. DSC will also be host to 500 residential villas fitted with organic farms and solar cells to generate electricity and hot water.

In analyzing DSC project requirements, Al Ajmi Engineering Consultants realized they needed a top-of-the line project portfolio management (PPM) software solution that would facilitate and control aspects of this important development. Proliance uniquely combines project and portfolio management, facilities management, business process management and business analytics into one system of record, enabling large enterprises to track how their real estate, construction and facilities portfolios are performing.

"The project visibility and control we are gaining by adopting Proliance is exactly what we need in order to effectively manage the construction and completion of the DSC," said Amer Shehadeh. "In addition to our work on the DSC, implementing Proliance across all our current and future projects will enable us to cement best practices across the company."

Trimble's construction project management software solutions for infrastructure building owners, program management firms, and other AEC organizations are available through local Trimble dealers in the UAE. For more information, visit: <http://www.meridiansystems.com/me>.

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CaetanoBus Streamlines its Electrical Design Processes Using Capital Software from Mentor Graphics

30 May 2013

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Mentor Graphics Corp. and CaetanoBus today announced successful application of the company's [Capital® software suite](#) to the development of CaetanoBus' flagship C5 coach. The C5 coach offers a wide range of configuration options and includes innovative electrical/electronic systems that significantly boost efficiency, safety, and reliability. The sophisticated nature of these systems drives challenges for the coach's electrical design, particularly with respect to systems integration, design validation and configuration management. To solve these challenges, the Portugal-based company used the Capital tools.

The Capital suite spans an extended electrical systems, "Define – Design – Build – Service" flow, and is particularly targeted at transportation applications. Combining powerful design automation and modern enterprise integration capabilities, the software creates digital continuity within the electrical domain to compress development cycle time and deliver significant cost reductions.

"To develop such an advanced coach requires not only powerful design automation, but also a comprehensive and robust electrical design data foundation for all stages of design, manufacturing and after-sales support," said José Costa, director of Vehicles and Chassis Development, CaetanoBus. "We have initially applied the Capital software to create electrical schematics and harness designs. The modularity of the system is important to us because it allows us to extend the scope progressively with everything using the same data foundation - we have plans to extend our virtual prototyping capability using advanced electrical simulation and validation tools. We are also investigating how to streamline our service documentation authoring process using the Capital publication tool which can re-process our wiring diagrams."

Electrical engineering is becoming more complicated because of the rapid increase in customer options, which is driving an explosion in the number of configurations that need to be designed and manufactured. "Engineers can use the Capital suite to design multiple configurations with the same ease as creating a single configuration because the system can capture and automatically apply the engineering constraints needed. They can work faster and more accurately than with traditional systems," said Emilio Villa, managing director of Har-Tech S.r.l., Mentor Graphics' distributor in Portugal.

"Capital software is broadly adopted across several major truck brands and by an increasing number of bus and coach manufacturers. In part, this is because the tool suite supports a number of different design flows," said Martin O'Brien, general manager of the Integrated Electrical Systems Division at Mentor Graphics. "The toolset is both flexible and easily adaptable to changing future needs, as well as being highly productive. This flexibility and power explains why many of the world's leading truck, bus and coach manufacturers have adopted the Capital suite, with deployments in multiple locations in Europe, USA, Asia and Japan."

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Children Worldwide Fashion Selects Centric Software for Product Lifecycle Management Software

29 May 2013

Children Worldwide Fashion Group (CWF) has selected Centric Software, Inc., to provide its [product lifecycle management \(PLM\) system](#).

CWF, a European leader in top-of-the-line and luxury children's fashion, purchased the Business Planning, Calendar Management, Collection Management, Materials Management, Product Sourcing, Product Specification, Quality Management and Collection Management modules of the Centric 8 PLM system.

All CWF brands, categories and product departments will use the software from Centric, which provides [PLM software for footwear, retail, apparel, luxury and consumer goods](#) companies.

"The Centric PLM system will allow CWF to replace a host of separate e-mail- and spreadsheet-based systems," says Bertrand Beaufort, chief information officer of CWF. With the Centric PLM system's "single version of the truth" about products, CWF will be able to streamline the product development process.

CWF also valued the configurable, out-of-the-box characteristics of the Centric 8 suite. By incorporating industry business best practices and data models into the core PLM system, Centric can provide a much faster deployment. Centric will use its [Agile Deployment\(SM\)](#) implementation methodology to deploy the CWF system. Leveraging the principles of agile software development, Agile Deployment allows for implementations faster than other PLM systems.

"We are delighted to add a category leader like CWF to our list of partners," says Chris Groves, president and CEO of Centric. CWF valued Centric's experience with fashion industry customers and understanding of the apparel industry's needs, he adds. "The company will be able to make better, faster decisions, and see results in optimizing product development timelines and costs."

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Delcam's ArtCAM Gives Ice Sculpture Higher Quality in Half the Time

30 May 2013

Delcam's ArtCAM artistic CAD/CAM software has given huge benefits to Jim Duggan, the founder of Atlanta-based Ice Sculpture Inc. He claims that, since he added the software, he can produce the highest-quality ice sculptures in half the time that would be required to carve them by hand.

Ice Sculpture Inc. produces bars, wedding sculptures, corporate logos, sorbet dishes, shot glasses and many other designs in ice for corporate events, weddings, retirements, birthday parties, anniversaries

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and other special occasions. The company began using CNC ice-carving equipment from its early days in business, with the goal of producing more accurate and more realistic ice sculptures in less time.

"ArtCAM was recommended to me by the company that made my ice-carving machine," Mr. Duggan remembered. "I started using it soon after I first opened the business. Over the years, I have looked at many other programs and repeatedly made the decision to continue with ArtCAM. ArtCAM makes it easy to create complex designs and generates the NC code that our carving machine uses to produce very crisp and exact ice sculptures. The time savings are even greater when we are able to reuse an existing design as the basis for a new creation."

"ArtCAM produces CNC programs that result in very accurate cuts. Our hand-carvers are very good but, when you compare a hand-cut logo side by side with one produced on a CNC router, you can easily see the difference. With ArtCAM and a CNC router, the lines are absolutely straight and everything lines up perfectly. As well as getting better precision, we can produce a job in about half the time that would be required using the traditional method of making templates and cutting them out by hand."

"Every time that I have revisited my decision to work with ArtCAM, I have confirmed the wisdom of my original choice because of its exceptional combination of power and ease of use," Mr. Duggan commented. "For example, it was very easy to teach the program to my assistant. When I need technical support, I never have to wait more than thirty minutes for a call back."

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Jason Wu Implementing Cloud-Based FashionManager Solution

29 May 2013

RLM Apparel Software Systems Inc. (<http://www.ronlynn.com>), reports that prestigious designer Jason Wu has begun implementation of its FashionManager™ enterprise software solution at its New York Garment District studio. When fully implemented, the company will leverage the system's integrated Product Lifecycle Management (PLM), Enterprise Resource Planning (ERP), Warehouse Management (WMS), and Financial Management (FMS) capabilities to manage the concept-to-consumer operations for its complete line of women's designer Ready-to-Wear, bags, and shoes. By replacing existing software and adding significant new fashion-focused capabilities, the FashionManager all-in-one cloud solution promises to streamline business processes, enhance supply chain visibility, and increase overall business efficiency.

According to Gustavo Rangel, CFO of JWU LLC, "With our strong domestic and international growth, a centralized system was necessary to keep up with demand. The fully-integrated Cloud-Based Fashion Manager Solution will play a key role in increasing productivity, and streamlining business operations."

Jason Wu's design team and merchandisers will use the FashionManager PLM toolset to enhance line planning and adoption processes; and to integrate Adobe® Photoshop® designs into line sheets, tech packs, and bills of material (BOMs). Product development teams will leverage increased process

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visibility and cost controls to manage sample fabrics, track product samples, and manage overall product collaboration.

In addition to extending fabric purchasing and inventory management to the production level, FashionManager ERP will manage the complete order-to-cash process. Integrated Supply Chain Management (SCM) tools will enable Jason Wu to issue production orders and manage vendor deliveries. Advanced WMS order fulfillment capabilities in the system will support improved inventory allocation, packing and shipping; while built-in Electronic Data Exchange (EDI) tools enhance retail collaboration and compliance.

Integrated FashionManager financials will be used to manage receivables, payables, and general ledger transactions and provide enterprise-wide reporting and business intelligence. FashionManager will also be integrated with the web-based JOOR wholesale marketplace platform to give the Jason Wu sales team access to up-to-date product information, inventory levels, and connect seamlessly with order fulfillment systems.

“We are pleased to be working with Jason Wu,” noted RLM Vice President and Partner Andy Lynn. “Like many other fast growing companies, they are embracing the power of our fashion-proven solutions and the efficiencies of the cloud platform. We look forward to helping them achieve their immediate and long term business goals.”

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Product News

Agilent Technologies' Newest 3-D Electromagnetic Simulation Software Release Targets EMI Compliance

28 May 2013

Agilent Technologies Inc. today announced the latest release of [Electromagnetic Professional \(EMPro\)](#), its 3-D electromagnetic simulation software.

EMPro 2013 helps design engineers identify and resolve difficult electromagnetic interference (EMI) problems. It also offers a number of new capabilities to reduce simulation time and increase design efficiency.

EMI Functionality

EMPro 2013 allows engineers to simulate the radiated emissions of electronic circuits and components and then determine whether these emissions are within levels specified by common electromagnetic compatibility (EMC) standards, such as FCC Part 15, CISPR 22 and MIL-STD-461F. This capability is enabled by new specification-compliance templates, as well as several enhancements to both EMPro's finite element method (FEM) and finite difference time domain (FDTD) simulators.

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"With more electronics being integrated into smaller packages, EMI problems are quickly becoming a leading cause of new product delays," said Marc Petersen, EMPro product manager at Agilent EESof EDA. "As a result, designers are now turning to EM simulation to catch these problems early and ensure their designs are compliant with EMI specifications. Our newest EMPro software release provides designers the capabilities they need to address this challenge head on."

Additional Capabilities

EMPro 2013 introduces several enhancements that cover a broad range of applications, including:

- A simulation management tool for launching remote and distributed simulations on high-end servers and compute clusters, disconnecting and later reconnecting a client computer, and receiving status updates on a mobile device.
- Increased FEM mesh performance and robustness for large designs.
- New FEM hybrid boundary conditions that result in higher simulation speed and accuracy.
- FDTD simulation enhancements in the areas of port accuracy and graphical processing unit acceleration.
- A real-time electrical connectivity checking tool in the main geometry modeling window that prevents inadvertent gaps between conductors.
- A parameterized trace component for modeling IC and printed circuit board interconnects.
- Numerous graphical user interface enhancements, in the areas of snapping, bending, length measurements, results display and managing large groups of objects.

Availability

EMPro 2013 will be available for download in July. Interested parties can evaluate the software by applying for a trial version at www.agilent.com/find/eesof-empro-downloads-and-trials. Application examples covering a wide range of topics, including packaging, antennas, RF PCBs, RF modules, connectors and radar applications can be downloaded at edocs.soco.agilent.com/display/eesofapps/EM+Applications.

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CNC Software Unveils Mastercam X7

28 May 2013

CNC Software announces the release of Mastercam X7. Mastercam X7 introduces significant new capabilities, including the new Mill-Turn product, Renishaw Productivity+™, Lathe Dynamic Rough, and so much more.

New Mastercam Mill-Turn

Mastercam's Mill-Turn product makes machining on today's high-powered turning centers and full-

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

Renishaw Probing

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

New Lathe Dynamic Rough Toolpath

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

More powerful tools in Mastercam X7 include:

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

For more information on Mastercam X7, and to view videos on the new software features, please visit www.mastercam.com.

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Delcam Launches free CAM for SolidWorks

28 May 2013

Delcam has launched a free version of its Gold-Certified Delcam for SolidWorks integrated CAM system for SolidWorks. Delcam for SolidWorks XPRESS provides the essential 2D milling and drilling functionality available in Delcam for SolidWorks. It can be downloaded free of charge

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from www.delcamforsolidworks.com/xpress.

Delcam for SolidWorks XPRESS is intended mainly as an introductory level program for users that are new to computer-aided machining. However, it will also be useful for companies, such as design studios, that only need to program simpler CNC machines or those that wish to experiment with 2D machining before investing in a full 3D software package.

Users will be able to generate NC code for feature-rich 2D parts quickly and easily with the unique 'feature-from-feature' technology inside Delcam for SolidWorks. The software is, of course, fully compatible with the latest version of SolidWorks.

Delcam for SolidWorks XPRESS is fully integrated into the SolidWorks environment, in exactly the same way as the full Delcam for SolidWorks software, so that the program looks and behaves like SolidWorks. Similarly, it offers the same full associativity with SolidWorks so that any changes in the CAD model are reflected automatically in the toolpaths.

The XPRESS version provides the same high level of automation as the full program. The software automatically selects the appropriate tooling for the project, allocates the appropriate feeds and speeds to all the toolpaths, and orders the various roughing, semi-finishing and finishing operations into the most efficient sequence.

The drilling options cover all hole types, including tapped holes, and support drilling cycles with sub-programs for the standard controls.

Full 3D simulation of all toolpaths can be undertaken, with comprehensive gouge detection, to check the programs before they are sent to the machine. Time estimates can also be made to compare the results of using different strategies.

The software is supplied with a basic set of post-processors for typical controllers and functionality is provided so that more experienced users can tweak the standard posts to match their machine-tool controls.

Training videos for Delcam for SolidWorks XPRESS are included on the www.delcamforsolidworks.com/xpress website, as well as on YouTube. A forum for users has also established on the website, so that members are able swap tips on the use of the software.

Delcam for SolidWorks combines the benefits associated with Delcam's PowerMILL and FeatureCAM CAM systems. It is based on Delcam's proven machining algorithms that are already used by more than 40,000 customers around the world. The software offers 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, even when cutting the hardest, most

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challenging materials. At the same time, Delcam for SolidWorks has the same strong focus on ease of use as FeatureCAM, including all of the knowledge-based automation that makes that system so consistent and reliable.

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DEXMA Labs Releases PLM Solution with new Approach for Small to Mid-sized Companies

30 May 2013

EXMA Labs announced today at COFES Russia the release of the production version of DEXMA, a next generation product lifecycle management (PLM) software solution. Designed specifically for small to mid-sized (SMB) manufacturing companies who perform product engineering, this affordable and easy to deploy solution goes beyond traditional PLM software, adding manufacturing solutions to a powerful feature set.

DEXMA's core functionality is product design management. Using DEXMA, engineers and designers have all the functionality they need to manage complex projects including project planning and work routing. For manufacturing, DEXMA offers closed loop manufacturing requirement planning (MRP), which includes purchase order management and mBOM creation—features often found only in enterprise resource planning (ERP) systems. The combined design and manufacturing functionality of DEXMA allows SMBs to deploy a cost-effective, next generation solution to manage their product lifecycle.

«Today's manufacturing/engineering SMBs are trying to innovate and increase productivity,» stated Nikolai Nyrkov, CEO, DEXMA Labs. «DEXMA is a new approach because it lets companies streamline their business processes, empowering people to work as they want to work, at a fraction of the cost of other PLM solutions. By utilizing the DEXMA manufacturing capabilities, the SMB may also avoid the cost of implementing an ERP system.»

DEXMA Labs offers businesses two options for deployment, allowing companies to choose the solution that best meets their unique needs.

- Cloud deployment reduces capital expenditures, speeds implementation, streamlines management, has automated updates and is scalable. In addition to data being secure, it may be extracted — which means at any time, all data can be quickly and easily backed-up or used for other purposes.
- On-premise deployment is available for companies who would rather have their data hosted within their own firewall for security or other factors. A company may begin with a cloud instance and then migrate to on-premise. This type of deployment is also fast and easy, taking only a matter of hours on the customer's own hardware.

Pricing plans are affordable and start at \$19 (USD) per user, per month. Visit www.dexma-plm.com for information on where and how to purchase DEXMA.

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Enhancements to ANSYS® HFSS™ Promote Streamlined Electromagnetic Simulation

29 May 2013

As electronics products become smaller and more functional, the need to include efficient electromagnetic analysis within traditional electronic design has increased dramatically. To address these issues, ANSYS recently updated its tool for simulating 3D full-wave electromagnetic fields, HFSS, to include a 3D electrical layout interface as well as a planar Method of Moments (MoM) solver for a more accurate and streamlined design workflow.

In addition to the traditional 3D modeler interface, the new 3D electrical layout interface for ANSYS HFSS version 14.5 service pack 2 is a significant usability enhancement for designers of high-performance electronic devices. The update enables engineers to quickly and easily create sophisticated electromagnetic simulations using an intuitive layout interface and achieve reliable, accurate and high-fidelity results from the HFSS solver. The 3D electrical layout interface also enables more efficient integration with established EDA design flows as well as the direct import of layout geometry from ODB++ compatible databases such as Altium®, Cadence®, Mentor Graphics® and Zuken™.

The new planar MoM solver gives users the ability to quickly perform complex calculations and explore many design alternatives early in the design cycle while still being able to take advantage of HFSS' robust analysis capabilities to optimize and verify the design later in the process. Automatic set up of port assignment, radiation boundary conditions and layered material properties functionalities further simplify the model creation process and allows users to easily create designs of their electronic products with fully parametric planar stackups, via padstacks and transmissions lines, as well as other types of planar structures and transitions.

"HFSS is a very powerful and valuable tool in my signal integrity simulation tool suite," said Steve Zinck, president of Interconnect Engineering. "The tool is capable of extracting just about any feature that is pertinent to high-speed signal integrity analysis. Now with the 3D electrical layout interface in addition to the 3D modeler, it is even easier for my customers to produce extremely robust designs."

"The new 3D electrical layout interface for ANSYS HFSS allows users to easily create fully parametric designs of printed circuit boards, electronic packages and custom integrated circuits from an intuitive interface," said Larry Williams, director of product management at ANSYS. "This new capability greatly simplifies the model creation process and allows a broad class of engineers to leverage the HFSS solver to extract electromagnetic parameters from critical signal pathways and to explore design alternatives and evaluate design trade-offs prior to fabrication."

ANSYS HFSS users can download the new version from the [ANSYS customer portal](#).

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Fatigue of Composite Structures: New Tool for Fatigue Life Prediction of Woven Fibres

29 May 2013

Safe Technology Limited, Sheffield, UK, announces a new and unique capability for the fatigue analysis of woven fibres from Finite Element models. The tool is included in the latest release of fe-safe/Composites™, the add-on module to the Safe Technology's advanced suite of fatigue analysis software for Finite Element models, fe-safe™. This release extends the fatigue of composites module's capabilities from unidirectional laminae, to include plain woven architectures.

This new capability was developed by a consortium of companies led by Safe Technology and Firehole Composites (recently acquired by Autodesk, Inc). The methodology was refined using materials and test data from three leading engineering companies: DSO National Laboratories, Singapore, Royal National Lifeboat Institute (RNLI), UK, and Daimler AG, Germany. These companies represent key industries for whom the new woven fibre fatigue life capability has particular relevance; namely the defence, aerospace, marine and automotive/ground vehicle sectors. Wind turbine blade manufacturers will be another obvious sector to benefit; the unidirectional materials capability has already been successfully tested and verified with turbine blade applications.

The latest release of fe-safe/Composites™ expands the current capabilities of the product to new microstructures and loading definitions, while retaining the functionality of the previous versions. This latest version supports fatigue life predictions of plain woven microstructures using the same unique physics based solution as that already applied to unidirectional composites. Implementation of the physics based solution, the Kinetic Theory of Fracture, allows fatigue life predictions to be completed for multiaxial load states for which the material is not characterized, an extremely powerful tool for any engineer, from designer to analyst.

Additionally, the latest release of fe-safe/Composites™ has expanded the applicable loading definitions within the fe-safe™ environment to allow for multiple repeats and block loadings. Block loadings and multiple repeats are very useful for defining complex duty cycles, and are utilized widely by wind turbine blade manufacturers and other industries subjected to design lives of anywhere from several months to many years.

The fatigue solution is based upon the Kinetic Theory of fracture and applied to the matrix constituent of the woven microstructure, which makes the solution load, time, temperature, and material dependent. Hysteresis heating is accounted for through the use of Newton's law of cooling, and its effect is included in the fatigue life solution. Finally, the effects of material healing at low stress levels has been included to accommodate infinite life scenarios often encountered in analyses with low loads applied for long time histories. Initial tests revealed excellent correlation between the experimental and predicted lives of the woven lamina, which provides evidence of a physically realistic approach to modelling the fatigue behaviour of woven materials.

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The new release of fe-safe/Composites™ is now supported on Linux and Windows 64 bit, expanding the software's potential to a wider range of customers and uses.

The fatigue solution is based upon the Kinetic Theory of fracture and applied to the matrix constituent of the woven microstructure, which makes the solution load, time, temperature, and material dependent. Hysteresis heating is accounted for through the use of Newton's law of cooling, and its effect is included in the fatigue life solution. Finally, the effects of material healing at low stress levels has been included to accommodate infinite life scenarios often encountered in analyses with low loads applied for long time histories. Initial tests revealed excellent correlation between the experimental and predicted lives of the woven lamina, which provides evidence of a physically realistic approach to modelling the fatigue behaviour of woven materials.

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Mentor Graphics and GLOBALFOUNDRIES Deliver 20nm Design Kits for Advanced Design Enablement

30 May 2013

Mentor Graphics Corp. announced it has collaborated with GLOBALFOUNDRIES to deliver 20nm design kits for the [Olympus-SoC™ netlist-to-GDS platform](#). The design kit enables mutual customers to achieve the best performance, power and area with faster design closure times.

“Double patterning and timing closure at advanced nodes require a comprehensive suite of design tools and methodologies,” said Andy Brotman, vice president of design infrastructure at GLOBALFOUNDRIES. “Mentor solutions, including Olympus-SoC, help ensure that designs using our 20nm technologies perform and yield well by efficiently utilizing our DRC+ technology to achieve rapid manufacturing closure and avoid lengthy delays in the design cycle.”

The Olympus-SoC place and route system provides a comprehensive netlist-to-GDS flow including support for new DRC, double patterning, and DFM rules for GLOBALFOUNDRIES 20nm technology. The Olympus-SoC router has its own native coloring engine along with verification and conflict resolution engines that detect and automatically fix double patterning violations. Expanded features include DP-aware pattern matching, coloring-aware pin access, pre-coloring of critical nets, and DP-aware placement. The [Calibre® InRoute™](#) product allows Olympus-SoC customers to natively invoke Calibre signoff engines during design for efficient and faster manufacturing closure.

“Our customers are designing some of the largest and most complex SoCs that demand high performance and lowest power at 20nm and below” said Pravin Madhani, general manager of the Place and Route group at Mentor Graphics. “Our close partnership with GLOBALFOUNDRIES ensures that our mutual customers will have the tools and reference flows needed to complete their most competitive designs to spec and on time.”

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MyCadbox™ Online CAD Viewer Released

29 May 2013

CadFaster, Inc. (<http://www.cadfaster.com>) just announced the official release of MyCadbox™ (<http://www.mycadbox.com>) as the easiest way to share CAD files.

MyCadbox syncs 3D models and tagged conversations automatically between PC and iPad and makes model sharing easier than ever before. With MyCadbox you can

- Open 3D models anywhere on any device
- Open large models ultra-fast
- Find all your models instantly in one place
- Share your 3D models for comments and feedback

“Our clients told us that CAD models take too long to open and they are difficult to share for collaboration”, said Janne Hietanen, CTO, CadFaster. “MyCadbox optimization has reduced the opening time to a fraction of conventional tools’ opening time. MyCadbox enables quick automated sharing and immediate access to your CAD models on mobile devices and desktops.”

MyCadbox has been in public beta since March and it has been hugely popular ever since. This official release includes the addition of offline mode, which enables opening of STEP and IGES files even when not connected to the Internet. When connected, MyCadbox 1.0 opens new models locally and starts model upload to MyCadbox in the background speeding up initial model opening significantly. Latest release also includes Web 3D Glimpse for quick model previews in the browser interface.

MyCadbox currently supports STEP and IGES formats and is available at <http://www.mycadbox.com>. MyCadbox iPad app is available through Apple at <https://itunes.apple.com/us/app/mycadbox/id581184797?ls=1&mt=8>. MyCadbox has Free and Pro

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New Stand-Alone CAD Piping Software to be Released at CADavenue.com

30 May 2013

CADavenue announced today that a new piping program will be available by mid- summer 2013. The low cost alternative called AViCAD Piping is being designed for both small piping contractors and large fabrication shops. The software will also be combined with a stand-alone CAD program, CADavenue

explained.

[The Piping Software](#) is expected to be released by July 1, 2013 and will run within a self-contained application called AViCAD. The program will feature both 2D and 3D piping along with a BOM (Bill of Materials) option to tabulate how many fittings and different pipe lengths are inside the drawing.

Victor Abela remarks "We are certainly very excited about our new upcoming AViCAD Piping software. This idea has been in our project scope for quite some time. With the recent release of our complete engineering package AViCAD Professional 2013 we felt the timing was just right. "

The software includes orthogonal pipe, fittings and valves. Also includes is 2-D (Single, Double Line, Isometric and P&ID) plus 3-D (Solids).

Other piping features will include:

- A complete CAD application
- Comprehensive range of pipe, fittings and valves
- Vessels, Pipe Hangers and Pumps
- Various sizes and specs including DIN, ISO & ANSI
- Automatic BOM (Bill of Materials)
- Insulation, customizable layers
- Several draw options in 2D and 3D

In addition the Piping Software includes AViCAD, which is a full CAD program containing AutoCAD®-Like commands and saves to a DWG file type by default. Within AViCAD there is also a 3D modeling engine to create renderings. For more info please visit the [product info page](#).

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Scientifically Aware Accelrys Enterprise Platform 9.0 Breaks New Ground in Big Data Management
30 May 2013

[Accelrys, Inc.](#), a provider of scientific innovation lifecycle management (SILM) software, announced today Accelrys Enterprise Platform 9.0, an open, scientifically aware platform delivering capabilities for managing "Big Data" and externalized research collaboration networks. With significant new technology enhancements in the areas of security, administration and scientific services, Accelrys is extending the enterprise capabilities of the Platform, providing organizations with powerful new tools for streamlining the lab-to-commercialization value chain within and outside of the firewall and driving innovation in new product development.

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"Our customers across industries have more scientific data to help them innovate than ever before, yet their ability to efficiently transform that data into knowledge is limited by tools and processes that fail to take an integrated, holistic approach to new product development," said Accelrys President and Chief Executive Officer Max Carnecchia. "A year ago, Accelrys issued an industry-wide challenge to close the productivity gap hampering innovation. We remain committed to that effort and we believe that Accelrys Enterprise Platform 9.0 marks a significant advance in helping our customers accelerate innovation."

The open, scalable and scientifically aware architecture of Accelrys Enterprise Platform uniquely positions the Platform to help organizations manage data, processes and people in modern global enterprises. Specific capabilities in Accelrys Enterprise Platform 9.0 include:

- **Big Data** — Accelrys Enterprise Platform 9.0 provides the ability to access large volumes of data across an enterprise with the Accelrys Query Service, Accelrys Direct and various database and file connectors. Organizations can then take advantage of the Platform's broad scientific Collections, which are capable of handling structured and unstructured data, biological sequences, chemical structures, images and text, to perform calculations that analyze and process that data. Additionally, the Platform's reporting capabilities enable end users to interpret and interact with data to drive more informed and better decision-making. Significant enhancements around load balancing and high-performance computing speed data processing.
- **Externalized Collaboration** — The ability to securely and efficiently interact with external partners from research through manufacturing is essential to today's global enterprises. New capabilities in Accelrys Enterprise Platform 9.0 allow for flexible administration, and Internet deployments of clients outside of an organization's firewall, with enhanced security.
- **Scientific Services & Chemistry Harmonization** — Unlike other software platforms, Accelrys Enterprise Platform is distinguished by its scientific capabilities. These are delivered through the Accelrys Enterprise Platform Collections, including the Imaging Collection, the Next Generation Sequencing Collection, the Chemistry Collection and Reporting Collection. With the release of Accelrys Enterprise Platform 9.0, chemical structure perception is now standardized across the Platform and the Accelrys Direct cartridge for Oracle, allowing a consistent representation of all chemical types including molecules, reactions and chemically modified biologics across applications.

The Accelrys Enterprise Platform is the industry's first open, scientifically aware and scalable software platform with an SOA architecture capable of addressing the key challenges organizations face in today's competitive and resource-constrained environments. Built with science at its core, the Platform enables organizations to access and gain value from complex data across an enterprise and to integrate and deploy broad scientific solutions from research and development through quality control and manufacturing. Accelrys Enterprise Platform provides the foundation for Accelrys' scientific software and services; major new applications launched within the past year to run on the Platform include the Accelrys Externalized Collaboration Suite and the Accelrys Process Management and Compliance Suite featuring the new Accelrys Laboratory Information Management System.

For more information on the new externalization support and enhanced science now available with Accelrys Enterprise Platform, register for their complimentary [webinar series](#).

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Siemens' Dimensional Planning and Validation Software now Benefits SMB Manufacturers

29 May 2013

Siemens introduced a new software to help small to mid-size manufacturers collect, manage, dimensionally analyze and report on production quality results. Based on the Dimensional Planning and Validation (DPV) enterprise solution from its product lifecycle management (PLM) software business unit, DPV Lite helps improve quality and reduce costs for small to medium size businesses (SMB) by providing rapid access to design and manufacturing information that directly influences quality targets. DPV and DPV Lite are part of Siemens' Tecnomatix® portfolio, the most widely used software in the digital manufacturing market segment.

“With the release of Tecnomatix DPV, Siemens established a connection and interface between product design, process design and shop floor production systems,” said Dick Slansky, senior analyst, PLM research director, ARC Advisory Group. “This enabled discrete industry verticals to benefit directly through enhanced product quality, reliability and production process improvement. DPV Lite brings the same benefits to small to medium size manufacturers in an easy to install and maintain industrial solution for dimensional quality data capture, management and analysis.”

In today's global markets, manufacturers are under constant pressure to enhance quality and reduce costs while continuing to manage the growing complexity of products. The ability to consistently deliver on quality targets and rapidly respond when issues occur is just as important to the SMB as it is to the large, multi-national manufacturer. DPV Lite closes the loop between design and production, giving manufacturers the ability to directly connect and integrate quality knowledge into the company's mainstream product design and manufacturing processes.

DPV Lite enables decision makers to understand the quality measurement information associated with the design and manufacturing operations and quickly helps determine root cause. This mitigates the impact to operational productivity and warranty costs and reduces the cost of quality by reducing scrap, re-work and production losses. DPV Lite also helps provide higher initial quality by enabling manufacturers to quickly and efficiently identify quality issues so they can make smarter decisions that result in better products.

“In an effort to stay competitive and meet customer demands, manufacturers continually work to reduce cost and improve quality. For example large automotive OEMs have to improve product quality by three to four percent annually, just to remain competitive,” said Al Hufstetler, vice president, Product Management, Manufacturing Engineering Software, Siemens PLM Software. “This cannot happen unless the entire supplier community is aligned with their quality improvement process. DPV Lite enables small to mid-size suppliers to confirm that both their in-process and end-of-line quality are meeting the strict requirements of their OEM partners.”

CIMdata PLM Industry Summary

DPV Lite is available immediately. For more details, please see http://www.plm.automation.siemens.com/en_us/products/tecnomatix/quality_mgmt/dim_plan_val/index.shtml.

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Yunique Solutions Announces Release of PowerGrid to Accelerate Data Entry and Editing in YuniquePLM

24 May 2013

Yunique Solutions, creators of [YuniquePLM](#)[™] product lifecycle management software, released PowerGrid[™], an extension of YuniquePLM. PowerGrid is a grid-based interface that enables users to enter, edit and copy data en masse and perform real-time data analysis within a spreadsheet-like view. It expedites the editing process, simplifies historical comparisons and facilitates analysis of multiple costing scenarios.

PowerGrid reads master data from YuniquePLM so it eliminates redundant data entry. Users can filter, search and sort data, freeze, hide and move columns and rows for more effective data management and visibility. In addition, the ability to grant role-based permissions at the field level enables organizations to better manage data integrity and process workflows.

Bill Brewster, vice president of Global Sales and Marketing for Gerber's Yunique Solutions business, said, "The pressure never ceases for retailers and brands to do things ever faster and more efficiently. We are constantly incorporating feedback from our users to help them maximize the power of YuniquePLM. With PowerGrid, there's no faster way to enter and manipulate data to find the answers to critical business questions that help companies get the right products to market faster. This is just another example of how the Yunique Solutions team continually strives to empower its users."

YuniquePLM enables retailers and brand owners to manage the details of line plans, tech packs and samples and simplifies communication with global partners to help accelerate products to market, while ensuring they are on time and at lowest cost. The latest release, YuniquePLM v5, 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 sketch a concept or generate a single piece of artwork.

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ZW3D Pushes the Limits of 3D Printing with Lower Design Complexity

28 May 2013

3D printing is growing in popularity in recent years, particularly in the mass customization fields. Coupled with [ZW3D](#), customers can turn their unique ideas, such as a case for a smart phone, custom

toys, jewelries or whatever is needed, into products. As it opens up opportunities for individuals, more people will gain access to this exciting and fancy printing technology.

Professional Model Design Restricting Development of 3D Printing

With a history of more than a decade, 3D printing has not been widely used yet, which may be attributed to the high prices of 3D printers and printing materials. However, ZW3D believes that the complex usage of 3D design software is another factor making 3D printing difficult to be popularized. “3D printing requires high-level of design proficiency and professional knowledge, and therefore frustrates most of the first-time users,” said Colin Lin, Vice Director of ZW3D Overseas Business. “While ZW3D allows beginners to [master 3D design in hours](#) and subsequently print out their designs. By making design process much easier, we hope more and more people can turn their designs into reality.”

Easily Turn Your Concept into Reality in Hours

The high requirements on 3D design keep most people away from 3D printing. With easy-to-learn functions and a simplified workflow, ZW3D has made progress in reducing design complexity since its initial stage. The friendly ribbon interface allows users to work in a more familiar environment, and even the first-time users can grasp and use ZW3D by mouse over icons to get detailed explanations. They can also enjoy the flexible model modification by “Drag & Drop”. When the designs are completed with greater ease, people only need to wait for their works to be produced by a 3D printer in a few hours.

In [ZW3D 2013](#), 3D model design has been optimized in a more effective way. Shell operation supports both solid and surface modeling, realizing faster transformation to solid model. Designers can directly apply Boolean operation to the solid and the surface to improve modeling efficiency. It eliminates the barriers for beginners, so that they can focus on design without worrying whether the geometry is solid or surface.

ZW3D Lite Helps Save Your Budget in 3D Printing

In a bid to increase the accessibility of 3D printing, [ZW3D Lite](#), a simpler and smarter version of ZW3D 2013, provides a more affordable approach to 3D printing. Only with \$1,000, designers can directly open, edit and save 3D models from Catia, Inventor, Solidworks and more. This strong format support is rarely available in other similar products.

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