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CIMdata News

CIMdata PLM Late-Breaking News Announcement

31 August 2012

CIMdata will not be publishing the Late-Breaking News on Monday, September 3rd, in observance of the Labor Day holiday. We apologize in advance for any problems this may cause, but be assured that all of the news available that week will be published. The Late-Breaking News will be published the rest of the week as will the weekly CIMdata PLM Industry Summary be published on Friday, September 7th, as usual.

About CIMdata

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

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CIMdata Publishes “CAD Selection Considerations: Product Assemblies”

30 August 2012

CIMdata, the leading global Product Lifecycle Management (PLM) consulting and research firm announces a new paper advising CAD users on the importance of tools that allow them to deal with large product assemblies.

Design engineers in all industry verticals report that their products continue to grow in sophistication. The added complexity in product models driven by market demand for enhanced capabilities and customization often results in larger and more complex 3D model assemblies. Design engineers find their current CAD solution can be challenged by the large data structures that must be defined, loaded, and manipulated. When selecting a CAD solution, prospective users must assess their requirements for dealing with large product assemblies and focus their choice on a solution that delivers sufficient performance and interaction.

This paper, the third in a series, identifies and discusses a number of functional capabilities for dealing with large product assemblies within CAD solutions that have proven to be of critical use for leading edge users. The first two papers dealt with geometric model change editing and multi-CAD data, respectively.

“CAD Selection Considerations: Product Assemblies” is available to be freely downloaded from CIMdata’s [Publications web page](#).

About CIMdata

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

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata’s services, visit our website at www.CIMdata.com, follow us on Twitter: <http://twitter.com/CIMdataPLMNews>, or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495 533 666.

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CIMdata PLM Late-Breaking News

Ford IT Executive, Mark Johnson, to Join the Keynote Line-up at CIMdata's PLM Road Map™ 2012
28 August 2012

CIMdata, Inc., the leading global Product Lifecycle Management (PLM) management consulting and research firm announces that Mark Johnson, Executive Technical Leader, Ford Motor Company, will make a keynote presentation at PLM Road Map™ 2012. The keynote line-up also includes presentations by automotive expert Dr. David E. Cole, Georgia Institute of Technology's Professor Dimitri Mavris, Dana's Frank Popielas, EADS' Tristan Gegaden, and CAD Software Entrepreneur, Jon Hirschtick. PLM Road Map 2012 will take place at the Inn at St. John's on October 2nd and 3rd.

As today's cars increase exponentially in complexity with diverse product features enabled by global engineering and flexible manufacturing, PLM solutions are being stretched in ways never originally envisioned when most were created in the 1980s and '90s. These solutions are expected to simultaneously accommodate both expert and casual users and bring them together in collaborative global teams. They must manage the "whats" of product development (e.g., 3D models, BOM, BOP), as well as managing the "whys" of design decisions, in an environment where the functional product representation has become as important as the physical. The complexity of part and feature/function requirements, verification, and effectivity suggest why relationships across hardware, software, electrical, and electronic systems must be enabled and configuration managed.

In his keynote presentation, "Rethinking PLM in a Systems Engineering World," Mark Johnson will explore some of those challenges and show how PLM solutions must adapt and evolve to meet the needs of ever increasing systems engineering complexity.

PLM Road Map 2012 is the must-attend event for industry executives and PLM practitioners globally—providing independent education and a collaborative networking environment where ideas, trends, experiences, and relationships critical to the industry germinate and take root. It is a strategic conference focused on how companies are successfully employing PLM strategies and enabling solutions to meet challenging product development, manufacturing, and deployment issues. PLM Road Map 2012 is a two-day event that will challenge attendees to shift their current thinking to a new level in a series of presentations focusing on the global transformation of product development and innovation processes. PLM Road Map 2012 is the leading international event that helps companies leverage cross-disciplinary and cross-industry knowledge and feedback to smooth and speed their PLM journeys. For more information on PLM Road Map 2012, visit our website at: http://plmforesight.cimdata.com/index.cfm?content=include_conference12.cfm

About Mark Johnson, Executive Technical Leader, Ford Motor Company

Mark Johnson is an Executive Technical Leader within Ford Motor Company's (Ford) IT organization. He is the most senior Technical Specialist in IT and sits on Ford's Technical Advisory Board (TAB) helping shape some of Ford's most challenging business and IT technical strategy issues. Mark leads Ford IT's CAD/CAE/CAM/PDM, Requirements Management, Knowledge Management, and In-Vehicle Systems teams helping create Ford's digital engineering future. Mark's team is currently providing IT leadership as Ford transitions to developing products applying the latest systems

engineering methodologies and tools.

In his 15 years at Ford, Mark has held various roles within IT. In addition to leading the development and deployment of many of the current IT solutions used by Product Development, Mark led the global manufacturing IT delivery organization responsible for deploying new plant IT environments in Asia-Pacific and Europe. His team's solutions enabled the latest flexible manufacturing capabilities. In the UK, he oversaw the integration and later separation, of product development IT teams from Jaguar and Land Rover, Volvo Car, and Ford of Europe. In recent years, Mark has led the development of IT solutions that enabled in-car connectivity for Ford's notable "SYNC" in-vehicle infotainment system.

Prior to joining Ford in 1997, Mark's career included 12 years with United Defense (now part of BAE Systems) and 4 years at the Budd Company Transit Division. While at United Defense, Mark led their Systems Engineering team and eventually oversaw an engineering organization of over 350 developing and deploying tracked combat vehicles for the US military and NATO. While at Budd, Mark was a Reliability, Maintainability, Safety, and Human Factors (RMSH) Engineer, engaged in the design, manufacture, and launch of the Miami and Baltimore automated subway cars.

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CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia-Pacific. To learn more about CIMdata's services, visit our website at www.CIMdata.com or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 (734) 668-9922. Fax: +1 (734) 668-1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495 533 666.

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Acquisitions

Autodesk Continues Strategic Investment in Product Lifecycle Management with Acquisition of Inforbix

28 August 2012

Autodesk, Inc has announced it has acquired certain assets of Inforbix, LLC. Inforbix is a software company focused on cloud-based SaaS solutions aimed at increasing the value of product data, productivity, and improved decision making for manufacturing-based companies. Terms of the transaction were not disclosed. As a part of this acquisition, Autodesk also announced that it appointed Oleg Shilovitsky as Senior Director of PLM and Data Management. Shilovitsky is a co-founder of Inforbix, LLC.

“Oleg Shilovitsky is an established PLM thought leader who brings deep industry experience and a history of innovation to his new role at Autodesk,” said Buzz Kross, senior vice president, Design, Lifecycle and Simulation at Autodesk. “Since the launch of Autodesk PLM 360 last year, we have introduced thousands of new users to the power of cloud-based PLM. We are thrilled to welcome Oleg and under his leadership look forward to continued innovation and driving greater adoption of Autodesk PLM 360.”

Autodesk plans to incorporate Inforbix technology for indexing, search, personalization and data visualization into Autodesk PLM360, which will help to accelerate the vision for the Autodesk 360 cloud services.

Oleg Shilovitsky co-founded Inforbix in 2010 and served as CEO. He was Inforbix’s strategist, technologist, and ideologist and also an author of the [PLM Think Tank](#) and [Beyond PLM](#) blogs. Prior to Inforbix, Shilovitsky worked for Smart Solutions, SmarTeam, Enovia and Dassault Systems.

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Company News

Advanced Technologies Solutions Earns Simulation and Structural Engineering Specializations

29 August 2012

Advanced Technologies Solutions today announced that it has earned the new Simulation and Structural Engineerings Specialization designation for partners from Autodesk, Inc. As an Autodesk Specialized Partner, Advanced Technologies Solutions has shown that they have made significant investment in their people, they have a solid business plan specific to their specialization area, they have customer references, and that they can provide offer a high level of knowledge and support to customers in both the Simulation and Structural Engineering industry.

The new Autodesk Partner Specializations enable value added resellers to highlight and brand their expertise in delivering services in key industry areas. By completing the required curriculum and training, as well as meeting required levels of service and standards set by Autodesk, Advanced Technologies Solutions demonstrates through their strong customer service and support in sales what it means to be a trusted adviser to Autodesk customers throughout the world.

“We are thrilled at our new designations of Simulation and Structural Engineering Specialists. Our Application Engineers are highly knowledgeable in their respective fields and we look forward to the opportunity to provide this specialized support to both our existing customers and new clientele throughout the state of Florida and Southern Georgia.” - Audrey Hernandez, President of Advanced Technologies Solutions.

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Autodesk Now Counts 20 Partners with Platinum Status

30 August 2012

[Autodesk, Inc.](#) has announced that six more of its Value Added Resellers (VARs) have reached Platinum Tier status, the highest level of accomplishment within the [Autodesk Partner Advantage program](#). There are now 20 Autodesk VARs globally that have achieved this elite status.

“Our Platinum Tier empowers Autodesk to acknowledge the instrumental role these partners play in supplying top notch design solutions, products and services,” said Bill Griffin, vice president of Worldwide Channel Sales at Autodesk. “Whether the services they provide, or their outstanding customer satisfaction, these partners continually show that they can provide stellar services to their customers.”

The Platinum Tier recognizes Autodesk partners who deliver the highest levels of value to their customers. Autodesk reseller partners earn Platinum Tier status by demonstrating rich industry expertise,

fulfilling demanding Autodesk training and certification requirements and sustaining the highest customer satisfaction requirements.

The expanded group of Platinum Tier VARs includes the following Autodesk partners:

- [Total CAD Systems Inc.](#) - United States
- [KETIV Technologies, Inc.](#) - United States
- [Applied Software Technology Inc.](#) - United States
- [SolidCAD Inc.](#) - United States/Canada
- [AEC Systems](#) - Australia
- [CROWN SYSTEMS \(S\) PTE LTD](#) - Singapore

To locate an Autodesk Reseller, please visit their [Locate a Reseller](#) page.

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Edgecam Helps Nuclear Manufacturers

29 August 2012

Edgecam has joined the Nuclear Advanced Manufacturing Research Centre to enhance the UK civil nuclear manufacturing industry's machining capabilities.

The UK is preparing for an approximate £60 billion investment in new nuclear power stations – up to 16GW of generation capacity (*source: NAMRC*). Edgecam can help member companies in the manufacturing supply chain make the most of those opportunities by consistently producing the best tool paths, improving their productivity.

NAMRC is a collaboration of academic and industrial partners from across the nuclear manufacturing supply chain, to develop manufacturing processes and technologies. Supporting businesses from global giants to SMEs which are interested in supplying the new generation of power stations, NAMRC assists with specific R & D projects, using its expertise and facilities to resolve manufacturing issues, giving companies a competitive edge.

The NAMRC Machining Team works with members on engineering projects to improve their manufacturing techniques by bringing together the machine tool, cutting tool and software. The team chose to work with Edgecam specifically for its mill/turn and horizontal boring capabilities. Member companies can capitalise on the productivity improvements through the manufacturing team and the use of Edgecam to optimise manufacturing processes and maximising cycle times.

Single set-up machining is key to boosting metal cutting productivity and the use of multi task machines are now becoming common place in manufacturing. These high end machines are collision-rich

environments especially when multi turrets, twin spindles, steadies, and tail stocks are all moving in a confined space. Edgecam provides full support for these multi task machine tools, allowing nuclear manufacturers to benefit from the technology and knowledge of the Edgecam product and team.

Edgecam's membership involves supplying software and service to the manufacturing team at NAMRC.

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GRAITEC is Partnering with DMS Software Co Ltd in China

29 August 2012

GRAITEC announces a new business partnership with DMS Software Co Ltd, a company located in Beijing, China. The partnership agreement signed between the two companies entitles DMS Software Co Ltd to promote, sell and support GRAITEC's 3D BIM Steel Detailing Software, Advance Steel, in China.

GRAITEC pays attention to the Chinese market regarding its abilities and services in the steel industry and the increasingly major role that China plays on the international scene. GRAITEC upholds granting means and energy toward the Chinese market to achieve goals with higher efficiency and trust in the software used.

DMS Software Co. Ltd is the only nationwide authorized reseller for Autodesk plant software and services which establish the company legitimacy in the precise field of steel detailing, BIM solution and Building operation. Over the years, DMS Software Co Ltd has built its network thanks to a dedicated staff, numerous contacts throughout the country and a solid background making it a respected company that can count on client satisfaction.

This new partnership between GRAITEC and DMS Software Co Ltd. has promising business opportunities and growth in China, as well as substantial investments from GRAITEC to develop the industry.

GRAITEC and DMS Software Co. Ltd share the goal of bringing to the market competitive technology solutions that will increase their customer productivity for steel structural design, modeling and detailing.

Pascal Bergougnou, Managing Director of GRAITEC Asia Pacific, comments: "We have been working constantly this past year to expand our partner network and reach. With the appointment of DMS Software in China, our Value Added Reseller program is enriched with a company that combines the knowledge and contacts within their local markets with a comprehensive appreciation of our technology solutions."

Zhao YANG, Marketing Specialist of DMS Software Co., Ltd adds: "We see many very positive benefits in GRAITEC's products that we believe will be very attractive to our Chinese customers. Based on our experience in steel we are convinced that Advance Steel is the leading steel detailing software and an important step towards a BIM Structural process."

For more information, please visit www.dms365.com

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Hagerman & Company Announces new President, CEO

27 August 2012

Hagerman & Company has announced that Sandy Hagerman has assumed the position of President and CEO.

Sandy has worked beside her husband, Dennis Hagerman, since the Company was formed 28 years ago. Sandy was the Company's first sales representative, and upon expansion of the Company, she was named to Vice President of Sales. She has worked closely with Hagerman customers and vendors throughout her tenure at Hagerman.

"Hagerman & Company has been one of Autodesk's most successful partners for a long time, and we are happy to see Sandy stepping in as President and CEO," said Bill Griffin, vice president, Worldwide Channel Sales at Autodesk. "With their recent specializations in PLM 360, Simulation and Factory Design, they continue to demonstrate the highest level of commitment and expertise in the industry, and their customers will continue to benefit from this under Sandy's leadership."

Dennis Hagerman, former President and CEO of Hagerman & Company, died August 1, 2012 after a yearlong battle with cancer.

Dennis's entrepreneurial career began in the 1970's when he earned his CPA and opened an accounting firm. In 1984 he became interested in the software industry and noticed that a new technology, Computer Aided Design (CAD), was rapidly gaining momentum. That year Dennis founded Hagerman & Company and became an Autodesk authorized reseller.

Since that time Dennis worked diligently to grow the company. He opened satellite offices, expanding Hagerman's geographical reach. Originally focused solely on the manufacturing market, he continued to expand the business by targeting new markets including AEC, civil, government, industrial design, and process plant. He also chose to broaden the Company's offerings with additional solutions including CAM software, design automation software and 3D Printers.

In addition to software sales, Dennis always placed utmost importance on the quality of Hagerman service offerings including training, support and consultation services. He employed some of the finest solutions engineers, consultants and support staff in the industry. Hagerman has built a reputation on quality service, and today the Company is one of the largest Autodesk resellers in the United States with 21 offices in the Midwest, South and California.

Sandy Hagerman has posted a letter to Hagerman customers and business partners at: http://hnc.hagerman.com/Guest_Book/Default.aspx

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MecSoft Announces New Reseller in India

28 August 2012

MecSoft Corporation, the developer of VisualMILL, RhinoCAM, VisualMILL for SolidWorks, Alibre CAM and other computer aided manufacturing(CAM) software solutions, has announced today a reseller partnership with Mindpower Engineering Solutions Pvt Ltd, located in Tamil Nadu, India.

Founded in 2009 by experts in the field of design and manufacturing, Mindpower Engineering Solutions Pvt Ltd (MESPL) is a technological solutions company offering mechanical design automation software & solutions for a wide variety of establishments. MESPL also offers academic solutions for engineering institutions specialized for the professors and instructors of mechanical engineering. Mindpower has now added VisualMill and VisualTurn to its array of academic solutions.

“Our new partnership with MecSoft will follow a strong strategy to cater to the Indian market demands and offer the best and most effective CAM solutions to our customers,” says Mindpower’s Director, Balaji Krishnan. “With MecSoft’s advanced technology, and Mindpower’s vast industry experience, we are positive we can create a niche in the Indian market by meeting the expectations of our prospective clients and delighting our current customers with our service.”

For the latest news and information, visit www.mecsoft.com or call 949-654-8163.

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Tata Technologies Earns Autodesk simulation Specialization and Autodesk PLM 360 Specialization Certifications

29 August 2012

Tata Technologies announced that it was among the first Autodesk Gold Partners in Manufacturing in 2012 to attain both the Autodesk Simulation Specialization and Autodesk PLM 360 Specialization. As an Autodesk Gold Partner specialized in Manufacturing, Tata Technologies maintains a significant investment in its people, a robust business plan specific to their specializations, personal client references, and the highest level of actionable expertise in support of manufacturing industry clients.

The new Autodesk Gold Partner manufacturing-related specializations enable Autodesk partners to highlight and brand their expertise at delivering services in key industry areas. By completing the required curriculum and training, as well as meeting required levels of service and standards set by Autodesk, Tata Technologies demonstrates – through strong client service and sales support – that the organization is a trusted advisor to Autodesk customers worldwide.

“These designations, supporting our status as an Autodesk Gold Partner in Manufacturing, demonstrate our commitment to client service and to adding value to client organizations,” said Craig Radomski, Tata Technologies Vice President PLM Solutions NA. “These further validations of our expertise in the virtual world, and our mastery of [Autodesk] PLM 360 means that we deliver our clients an edge in the industry that will promote their success.”

Tata Technologies professionals collaborate with each client organization to competitively deliver services and products that provide a measurable improvement in performance, productivity and profitability:

- Comprehensive PLM, Manufacturing, Engineering, and Design services
- iGET IT, with the largest, most comprehensive online design/industry library of self-paced training for engineers
- Autodesk Authorized Training (ATC) and Certification Center
- Certified Autodesk experts on-site or off-site
- Specialization in Simulation, PLM 360, and Consulting
- Worldwide 24/7 client Autodesk Solutions HelpDesk support and Web-based assistance
- Enhanced Autodesk design work efficiency and innovation
- Advanced design via Tata Technologies’ integrated custom Autodesk solutions
- Skillfully customized Autodesk solutions to clients’ specific business needs

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Events News

AVEVA World North America User Conference Opens Registration

28 August 2012

AVEVA today announced registration has opened for its 2012 AVEVA World North America User Conference being held on November 12 –14, 2012 at the Astor Crowne Plaza Hotel in New Orleans, LA. This year AVEVA is collaborating with its users in ‘Defining the Future,’ by showcasing AVEVA’s software that enables users to optimize processes for the design, engineering and management for process plant, power, offshore and marine assets.

The event will give AVEVA software users a chance to share ideas and solutions with fellow delegates across a wide spectrum of industries. Together with AVEVA executives and technical experts, users will discuss industry-wide challenges in order to gain a fresh prospective on planning for future success.

“By focusing on communication between AVEVA software users and service providers, we continue to be at the forefront of our users’ ever changing needs”, explained William Muldoon, AVEVA’s Executive Vice President- North America. “The conference will offer delegates value-driven collaboration and educational opportunities focused around AVEVA software in order to address their unique challenges. Delegates will have the opportunity to see new AVEVA solutions, and explore topics on integration and industry standards. This annual user conference provides a great opportunity for delegates to increase their understanding of how AVEVA’s solutions can positively impact their business and commercial relationships.”

The AVEVA World North America User Conference targets engineers and designers who operate AVEVA software in Engineering, Procurement and Construction companies (EPCs) and Owner Operators in the process plant, power and marine industries.

To register for the AVEVA World North America User Conference simply visit www.avevaworld.com/nauc.

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Delcam Announces over 50 Partner Stands at IMTS

28 August 2012

Delcam works with many manufacturing partners, as befits its position as a specialist supplier of machining software and services. At the IMTS exhibition to be held in Chicago from 10th to 15th September, the company will be promoting its CAD/CAM and inspection software in association with more than 50 partners, including many of the world’s leading providers of machine tools, cutting tools and inspection equipment.

CIMdata PLM Late-Breaking News

The current list of Delcam partners is as follows: -

Agie Charmilles	E-5127	Maier	S-8272
Absolute Machine Tools	S-8536	Makino	S-8700
CG Tech	E-3346	Matsuura Machinery	S-9119
Citizen	S-9419	Mazak Corp.	S-8300
CMS	S-9186	Mikron Corp. Monroe	S-8376
Cubic Machinery	S-9263	Miyano Machinery USA	S-9419
C.R. Onsrud	S-8980	Methods Machine Tools	S-9119
DMG/Mori Seiki	S-8900	Metronor	N-7195
Doosan	S-8100	Nakamura-Tome	S-9119
Erowa Technology	E-5239	NDI	E-5252
Euro-Tech	W-2453	Nikon Metrology	E-5371
Fanuc	S-8919	Nomura/SB Machine Tools	S-9463
Faro	E-5504	Okuma	S-8500
Fidia	S-8692	Renishaw	E-5530
Ganesh Machinery	S-9371	Roeders	S-8017
Gosiger	S-9266	Romer	E-5202
Haas Automation	S-8119	Sandvik Coromant	W-1500
Hanwha	S-9482	Seco Tools	W-1564
Hardinge	S-8148	SGS	W-2217
Hermle	S-8450	Sodick	E-5102
Hexagon Metrology	E-5202	Spinner	S-8592
Hurco	S-8640	Star	S-8559
Ingersoll Machine Tools	S-8748	Tornos	S-8666
Iscar Metals	W-1800	Tsugami/REM Sales	S-9410
Kitamura Machinery	S-9148	Willemin-Macodel	S-9341
Kuka Robotics	N-6200	Yasda Precision	S-9166
Leica Geosystems	E-5202	YCM	S-8129
MAG	S-8519	YMT	S-9451

“In the opening six months of this year, software sales in North America were up by over 25% compared to the first half of last year,” reported Delcam North America President, Glenn McMinn.

“This dramatic growth is partly down to the renewed focus on manufacturing in the region but also reflects Delcam’s growing status in the market. We have traditionally been associated with the mold and die industry but are now getting much wider recognition for the ability of our software to increase productivity, improve quality and reduce lead times. As a result, we are enjoying much wider success, especially in the aerospace, autosport and medical sectors.”

“The fact that we are working with so many partners at IMTS provides further evidence of our current high status in North America,” he added. “We are confident that the show will provide a further boost to our sales over the closing months of the year.”

New releases will be demonstrated at IMTS across Delcam’s full range of CAM software – PowerMILL for high-speed and five-axis machining, FeatureCAM for feature-based programming, PartMaker for Swiss-type lathes and turn-mill equipment and ArtCAM for artistic applications, plus the Delcam for SolidWorks integrated CAM system. New versions will also be on show of the PowerSHAPE design and reverse engineering software and the PowerINSPECT inspection program.

“With the extensive range of Delcam software, we can provide a programming system for virtually any machine tool that a company might have,” claimed Mr. McMinn. “This means that visitors to the Delcam booth can be confident that they will find software to support their business, whatever type of parts they want to manufacture or whatever kinds of machine they run.”

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Delcam to Host Fifth GTMA Emerging Technologies Event

31 August 2012

Delcam will host the fifth GTMA 'Emerging Technologies' event at its Birmingham headquarters on Wednesday 19th September. For the first time, the meeting will be supported by the Science City Research Alliance, a collaboration between the University of Birmingham and the University of Warwick, with representatives from both Universities in attendance. Based on the previous meetings in the series, more than 100 delegates are expected to attend, representing all types of company from OEM majors to independent toolmakers and subcontractors.

The main focus of the meeting will be on the latest technical developments that can help delegates to become more competitive and, therefore, win more business and become more profitable. The presentations will cover advances in design and manufacturing software, component development,

CIMdata PLM Industry Summary

workholding, advanced materials, and measurement and analysis.

The keynote speaker will be Mike Smith, Managing Director of Bromford Industries, who will describe how the company was developed from a manufacturer of precision components into a specialist supplier of engineering solutions aimed at delivering a competitive advantage to its customers.

"In addition to the formal presentations, we will be encouraging networking among the delegates so that they can gain even more from their day," said Julia Moore from the GTMA. "A series of 'Hot Desks', where a variety of experts will be situated during the networking periods, will give companies opportunities to discuss their specific needs."

"The day will give delegates an opportunity to learn more about the new and emerging technologies within manufacturing that could provide their companies with a competitive edge," claimed Ms. Moore. "Knowledge gained from the event should be useful to managers so that sound strategic decisions concerning new technologies can be made, while more junior staff can benefit by having the chance to tap into the knowledge of the experts that will be presenting."

There is no charge for attendance, but spaces are limited. To register for the event, please email Louise Campbell: admin@gtma.co.uk.

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Delcam to Show Latest in CAD/CAM at Advanced Engineering Events

30 August 2012

Delcam will demonstrate new versions of its design, machining and inspection software at the Advanced Engineering group of events to be held at the NEC, Birmingham, on 7th and 8th November. Programs on show will include PowerSHAPE for product design, tooling design and reverse engineering; FeatureCAM for quick and easy feature-based CAM programming; the PowerMILL CAM software for high-speed and five-axis machining, and for the programming of robots; the Delcam for SolidWorks integrated CAM system; and the PowerINSPECT inspection software.

The 2013 release of PowerSHAPE includes enhancements to its direct modelling and reverse engineering capabilities that will make the software both more flexible and even easier to use. In addition, the solid and surface modelling options have been made faster and even more robust. PowerSHAPE provides the most comprehensive range of modelling techniques available in a single CAD program. Having all the different technologies in the same package reduces the need to transfer data between multiple programs and so streamlines the whole product development process.

FeatureCAM was Delcam's first feature-based programming software when it was launched in 1995. Constant development since then has ensured that the system has retained its leadership in programming

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speed and ease of use, while an increased range of strategies has been added to provide more efficient toolpaths giving greater productivity on a wider range of machines. The main change to the 2013 FeatureCAM product family has been the introduction of three levels of 3D machining functionality. FeatureMILL 3D Lite is a new option offering single-surface machining with a basic range of strategies and so provides an introductory product for companies moving into 3D machining for the first time.

The most important new option in the 2013 release of PowerMILL will be the new Vortex strategy for high-speed area clearance. Vortex, for which Delcam has a patent pending, has been developed by the company specifically to gain the maximum benefit from solid carbide tooling, in particular those designs that can give deeper cuts by using the full flute length as the cutting surface. It can be used for two- and three-axis roughing, three-plus-two-axis area clearance and for rest machining based on stock models or reference toolpaths. Like other Delcam roughing strategies, Vortex toolpaths are calculated to give more efficient machining by following the shape of the part and by keeping air moves to a minimum.

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

Finally, Delcam's PowerINSPECT system is the world's hardware-independent inspection software, able to compare parts, prototypes and tooling against CAD models using a wide range of portable, optical and CNC coordinate measurement machines. Improvements to the inspection functionality in the latest release include a new, simplified procedure enabling users to quickly calibrate the probe assembly by probing a single point anywhere within the measuring envelope; a new offset-alignment method that aligns the part with the axes of the CMM while setting the position with a single point measurement; and new point-cloud options that make it easier to modify and reuse digitised curves and points, with options for editing, deleting and resuming measurement of the points and curves. In addition, the automated section-measurement functionality, which was previously only available in the manual version of PowerINSPECT, is now available in both the OMV and CNC offline-programming versions.

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Get to Know KOMPAS-3D at AMB Fair, Hall 4, Stand A27

31 August 2012

KOMPAS-3D from **ASCON Group**, will be exhibiting at the international exhibition for metalworking, **AMB 2012**, in Stuttgart. From September 18 through 22 all the visitors to ASCON's booth can get hands-on all the features in the 3D and 2D modeling software, as well as experience the many high-tech add-ons for KOMPAS-3D V13.

Visitors to the trade fair for metalworking technology will be able to familiarize themselves with the KOMPAS-3D V13 software. They will be able to experience the feature set of this professional 3D modeler, 2D drafter, and add-ons. Among the add-ons available for testing in the booth will be the following products:

- **Steel Structure 3D** for automating the design of metal construction from rolled profiles
- **Universal Mechanism** for dynamic, kinematic, and static analysis of models developed with KOMPAS-3D
- **APM Studio FEM** for designing and calculating machine elements, mechanisms, and structures, and for performing general purpose strength analyses using FEM (finite element methods)
- **Pipelines 3D** for the automation of pipeline design

All the functions of KOMPAS-3D meet the exacting demands of today's high-performance designers and engineers, at a price that is considerably more affordable than brand-name solutions of the same capabilities.

They welcome attendees to visit them at booth A5 in Hall 7:

- View showcases and demonstrations of software solutions for mechanical CAD — KOMPAS-3D and KOMPAS-Graphic
- Take part in tutorials and training by qualified CAD experts
- Perform function comparisons between KOMPAS-3D and other CAD solutions
- Pick up FREE trial versions of KOMPAS-3D V13 to familiarize further after the show
- Sit in on ASCON Educational Program presentations
- Take advantage of special offers on KOMPAS-3D Professional and Educational licenses

Request your free entry ticket to AMB Fair from contact@ascon.net, and then visit our booth #A27 in Hall 4

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GibbsCAM to Support Multiple Machine Tool Builders at IMTS

27 August 2012

Gibbs and Associates today announced that it will support various machine tool companies with its GibbsCAM 2012+ NC programming software at the International Machine Technology Show (IMTS 2012), September 10-15, 2012, at McCormick Place, Chicago. Some machine tool builders will be machining parts programmed with GibbsCAM, while others will also host GibbsCAM demonstrations, highlighting the software's latest capabilities and its leadership in programming high-speed machining and multi-task and multi-axis machines. GibbsCAM 2012+ includes new features and enhancements across the product line, with a continued emphasis on ease of use, so that customers can achieve the highest speed, accuracy, efficiency and reliability in programming. In addition to supporting machine tool partners, GibbsCAM will have its own exhibit in Booth E-3310.

Machine tool partners who will be highlighting GibbsCAM 2012+ in their booths are: DMG/Mori Seiki USA (booth S-8900), Doosan Infracore America (booth S-8100), Hardinge (booth S-8148), Mazak Corporation (booth S-8300), Methods Machine, representing Nakamura-Tome and Matsuura (booth S-9119), Romi Machine Tools, Ltd. (booth S-8792), Tornos S.A. (booth S-8666), Toyoda Machinery USA (booth S-8319), and Willemin-Macodel (booth S-9341). In addition, GibbsCAM 2012+ will be featured in the exhibit of on-machine probing partner, Renishaw, in booth E-5530.

“We have supported and collaborated with machine tool partners for thirty years, to always ensure the easiest, most efficient programming for their latest technologies,” said Robb Weinstein, Senior Vice President of Sales and Strategic Planning of Gibbs and Associates. “As a result, GibbsCAM is usually chosen as the NC programming solution for the most difficult-to-program machines. We look forward to complementing our partners’ products at IMTS 2012 with demonstrations of GibbsCAM’s capabilities in programming parts for all types of CNCs, while demonstrating our superiority in programming multi-tasking and multi-axis machines, which is now faster and more efficient than ever before. In their booths and ours, we will highlight the recent speed and performance enhancements in GibbsCAM 2012+, which are all designed to reduce programming time, reduce cycle time, and increase accuracy and efficiency, while remaining easy to learn and easy to use.”

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IMTS Gives Engineers the Opportunity to see all of SESCOI's Manufacturing Software

28 August 2012

SESCOI will be previewing innovations within its range of productivity manufacturing software at IMTS at McCormick Place in Chicago from September 10th to 15th. Visitors to SESCOI's booth (E-3236) will be able to see live and first hand the ease of use, powerful algorithms and speed of WorkNC. If they book a demonstration in advance, they can see this demonstration on their own data, have and will have the chance of winning an iPad.

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Visitors can also see WorkNC Hybrid Modeler which includes solid modeling and surfacing functionality. Included with the Hybrid modeler are the latest enhancements to automatic electrode extraction via WorkNC Electrode. Also on display is WorkNC's NCspeed module for the optimization of CNC code.

WorkNC will also feature, and in some cases be used for live cutting, on a number of partners' booths including Hurco, Datron, Hermle and Willemin Macodel. To illustrate the power and versatility of the software, a large range of show parts from around the world will be displayed on Sescoi's booth including the Robot Head and Cylinder Block parts, well known to thousands of CNC fans on [Facebook](#).

WorkNC CAD/CAM provides automatic programming of complex parts from 2D through to simultaneous 5-axis cutting.

- Its 64-bit technology allows fast handling of larger workzones and its parallel processing enables more than one cutterpath to be calculated at the same time.
- Its global roughing and finishing routines keep the tool in the material, generate smooth trajectories and eliminate shock loading of the cutter.
- Flat surface technology recognizes and machines flat areas irrespective of their orientation, shortening machining times and producing a superior surface finish.
- Intelligence within the software makes it easy to use the shortest tools while avoiding collisions, even for 5-axis cutting, minimizing inaccuracy due to vibration and tool deflection.
- For finishing operations the software defaults to climb milling and produces spiral transitions which minimize the number of retract moves and optimize cutting conditions.

WorkNC Electrode includes some exciting developments for IMTS and ease of use has been the guiding principle. Starting with the extraction and analysis of the CAD data, the software checks for draft angles and manufacturability, and keeps track of the location and orientation of the electrode. CAD tools allow the user to modify the electrode shape where necessary. Libraries of electrode blanks and holders from leading companies such as System 3R and Erowa enable the user to rapidly build up the complete electrode, adjusting it to suit the spark gap for roughing and finishing sizes. Machining across a range of electrodes rationalizes tool changes, cutting across all electrodes with the same tool using WorkNC's automated strategies. Finally the datum for each electrode is maintained for accurate die sinking, while documentation and setup sheets are automatically generated.

IMTS will also premier Version 3 of the *WorkXPlore 3D* high speed, view, mark-up and analysis software. This is a new release, available in 64 bit, which uses Brep technology to provide unprecedented accuracy for automatically identifying edge conditions which, in turn, improves features such as volume calculations, dimensioning and surface identification, even for STL files. The software can read in CAD data from the vast majority of leading CAD systems and can open several files simultaneously making it easy to share design data around an organization and its supply chain in a low cost and lightweight environment, encouraging collaborative and concurrent working. Free 30 day trials

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can be downloaded from the product website.

Improving management efficiency through transparency and real-time data capture can enable companies to make much better use of their existing resources. *WorkPLAN Solutions* Version 4 is designed to provide this information for companies working in a custom manufacturing environment such as mold making. With the software, companies can manage their business activities from quotation to delivery and through to after sales service. The latest version now includes a CRM module making it easy to manage sales opportunities, quotations, contacts and prospects. Live data feeds produce up to date and accurate management information and mobile applications make it possible to run and interrogate the system on the move.

IMTS is the premier manufacturing show in the USA and provides engineers with the opportunity to learn about the very latest technology and decide which solutions will deliver the best return on investment. SESCOI is bringing its enlarged team of engineers to the show and invites visitors to bring their own data for a personalized demonstration, which can be booked in advance.

It will also be posting regular updates for the show on a dedicated IMTS blog at <http://www2.sescoi.com/blog>.



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Increased Manufacturing Efficiency for Composites Applications

29 August 2012

From 9 to 11 October 2012, CENIT will be on site at the COMPOSITES EUROPE in Hall 8B, Booth E17 to showcase end-to-end PLM solutions for composites applications. Composites - highly durable and lightweight, fiber-reinforced materials, have become virtually indispensable throughout the manufacturing industry. CENIT's experts will demonstrate how modern software solutions and end-to-end processes can be harnessed to sustainably boost manufacturing effectiveness.

The biggest attention-grabber at CENIT's fair booth will be an electric race car, the FP612e, created by the West Saxony University of Zwickau (WHZ). CENIT is supporting the WHZ's Formula Student team this season, also by helping them shift from a steel tube frame to a monocoque construction. Interested visitors will have plenty of opportunity for discussions with the experts. CENIT's specialists for the composites sector possess deep know-how the fields of digital development, calculation, design and manufacture of components made from composite materials.

Visitors to the event can also witness a demonstration of CENIT's proprietary software toolbox FASTSUITE for offline programming of industrial robots. As value added reseller for the entire PLM portfolio of Dassault Systèmes, CENIT will also take advantage of the COMPOSITES EUROPE to showcase topics such as design with CATIA and analysis and simulation with SIMULIA.

For further information on the fair, please visit www.cenit.de/composite. In the run-up to the event, interested parties can also arrange individual appointments with the attending CENIT experts.

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MachineWorks Family of Engines at IMTS 2012

29 August 2012

MachineWorks Ltd will be showing its latest advances in multi-axis simulation on stand number E-3331 at the IMTS exhibition in Chicago, from 10th to 15th September.

Seamless integration of Engines

The new version of MachineWorks, v7.2, is to be launched at IMTS. The most significant development in MachineWorks new release is the slick combination of its engines.

MachineWorks now allows users to handle true swept volume surfaces for stock sampling. Thanks to the streamlining of their API's , MachineWorks engines can now operate independently or jointly, taking advantage of the best features of each one.

Constant Memory

In particular, the sampling technology can now be used as part of their full machine simulation, while true solid simulations can be carried out with much more control over memory usage. This memory usage is not dependent on the number of cuts in the toolpath but on the grid resolution representing the stock and they optimise the mesh to contain fewer polygons.

This means that the memory footprint will be roughly constant throughout the simulation.

Multithreading

A major reason for the development of their new engine was to take advantage of multi-core processors in order to achieve an appealing combination of performance and low memory consumption. Thanks to extensive elements of internal multithreading to engines in the suite, customers can benefit from remarkable speed increases when running on multi-core CPUs.

“Many of our customers wanted to see faster 5-axis simulation in larger models, with MachineWorks' new family of engines we can handle large amounts of data while still running fast simulation”, says David Manley, Managing Director, “customers with multi-axis applications will be able to enjoy the benefits of our new release with negligible development effort.”

The combination of these two engines creates a powerful tool to overcome any type of machining job, not matter how complex, with accuracy and speed.

Solutions for defective STL

MachineWorks will also be displaying its recently-launched software solution, Polygonica, which includes capabilities for solid healing. Built-on MachineWorks' proven core technology, Polygonica automatically closes solids and fixes self-intersections. The new toolkit also provides useful functions for STL manipulation such as slicing, geometry simplification and Boolean operations.

For more information visit www.machineworks.com

See MachineWorks at IMTS 2012, Stand E-3331 www.imts.com

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Oracle Executive Keynote Lineup for Oracle OpenWorld 2012 Announced

28 August 2012

In the lead-up to [Oracle OpenWorld 2012](#), Oracle today announced the Oracle executive keynote lineup. This is the first of a series of keynote announcements Oracle will make in the next several weeks.

This year, Oracle executives will feature insights into industry trends, the latest technology developments and innovations as well as key strategies for achieving business efficiency and innovation. They will be joined by special guests to discuss important business drivers such as engineered systems, cloud computing, business analytics and big data, and customer experience.

[Oracle OpenWorld 2012](#) takes place September 30 – October 4, 2012 at Moscone Center in San Francisco.

Oracle Executive Keynote Lineup:

Sunday, September 30 | 6:00 p.m. - 7:00 p.m. | Moscone North, Hall D

Welcome Keynote – “Hardware and Software, Engineered to Work Together: Why It’s A Different Approach”: Larry Ellison, Oracle Chief Executive Officer, will discuss how Oracle’s approach to delivering hardware and software that is engineered to work together is changing the face of IT.

Monday, October 1 | 8:45 a.m. – 10:00 a.m. | Moscone North, Hall D

“Shift Complexity”: Mark Hurd, Oracle President, will kick off the first full day of Oracle OpenWorld by hosting a discussion on removing complexity from a business that requires thinking differently about how IT delivers value to companies. Topics discussed will include: what’s next for the database, how simplifying and consolidating IT systems can benefit everyone from the DBA to the CEO, and how the data center and information systems are fundamentally changing the ways that IT services are delivered

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and managed. Oracle Senior Vice President of Oracle Database Development, Andrew Mendelsohn, will also join the stage.

Tuesday, October 2 | 8:45 a.m. - 9:45 a.m. | Moscone North, Hall D

“The Oracle Cloud: Oracle’s Cloud Platform and Applications Strategy”: Thomas Kurian, Oracle Executive Vice President of Product Development, along with leading Oracle customers will discuss how Oracle's complete suite of cloud platform technology and cloud applications are transforming how organizations manage their business, excite and retain their employees, and deliver great customer experiences.

Tuesday, October 2 | 3:30 p.m. – 4:30 p.m. | Moscone North, Hall D

“The Oracle Cloud: Where Social Is Built In”: Larry Ellison, Oracle Chief Executive Officer, will provide insight into Oracle’s Oracle Cloud Social Services strategy, the broadest and most complete enterprise social platform in the cloud today, and how those services are integrated with Oracle Cloud Application Services to improve customer and employee experience.

Wednesday, October 3 | 8:45 a.m. – 9:45 a.m. | Moscone North, Hall D

“Oracle Cloud Infrastructure and Engineered Systems: Fast, Reliable, Virtualized”:
John Fowler, Oracle Executive Vice President of Systems, Edward Screven, Oracle Chief Corporate Architect, and Juan Loaiza, Oracle Senior Vice President of Systems Technology, will explain what hardware and software engineered together can do for the cloud, and how Oracle itself applies these products to its own problems with great scale and efficiency.

Thursday, October 4 | 9:45 a.m. - 10:45 a.m. | Moscone North, Hall D

“See More, Act Faster: Oracle Business Analytics”:
Oracle President Mark Hurd will highlight how customers can use Oracle’s data management and in-memory business intelligence solutions to see more, act faster, and make critical business decisions. He will be joined by Oracle customers who will share best practices of the use of big data and Oracle’s analytics solutions to drive better business outcomes.

“This year the Oracle keynotes at OpenWorld will feature discussions on some of the most innovative enterprise technologies driving business today,” said Tania Weidick, Vice President, Oracle Marketing. “Stay tuned for more - Over the next several weeks we’ll be announcing additional keynotes from luminaries across IT, business and top industries around the world that will help our customers navigate the changing IT and business landscape.”

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Registration Now Open for Aras Community Event 2012 Germany

28 August 2012

Aras® today announced ACE 2012 Germany, an international Aras Community Event (ACE) to be held October 16 & 17 in Bad Soden, Germany. Expanded to 2 days in 2012, ACE Germany brings together business and technology professionals from established multi-national corporations to start-ups to learn about the advanced PLM solution suite from Aras, collaborate on PLM best practices, and address enterprise process challenges from global product development to outsourced manufacturing and systems engineering complexity. Registration is now open at www.aras.com/ACE2012Germany

ACE 2012 Germany

Date: **October 16 & 17**

Location: **Ramada Hotel Bad Soden** (near Frankfurt, Germany)

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

Details and Registration: www.aras.com/ACE2012Germany

Now expanded to 2 days to accommodate more presentations, technical sessions and networking, ACE 2012 Germany will highlight new products and solutions from users, partners and Aras. Featured speakers include Spontech Spine Intelligence AG, T-Systems International GmbH and other industry leaders. Presentation topics include cloud technology, social media, CAD integration, and PLM and the extended enterprise, as well as “how-to” sessions on PLM planning and deployment. What’s more, attendees will gain insight into the expansion of mobile technology from Google’s own Don Dodge.

ACE Germany 2012 takes place on October 16 & 17, at the Ramada Hotel Bad Soden, near Frankfurt, Germany. The event is free to attend but registration is required and space is limited. Register online at www.aras.com/ACE2012Germany

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Social PLM 2012, the Global Virtual Conference and Exhibition in PLM, Engineering and Product Design Is Getting Bigger

23 August 2012

Social PLM 2012, the Global 3D Virtual PLM Conference & Exhibition which takes place on the cloud, on September 4th, 2012, is getting traction. Unlike traditional events, Social PLM 2012 is an online event which does not require travelling, saves attendees time and increases drastically the outreach across the globe.

With a focus on the social trends in PLM, this event is a unique global opportunity for Industry Decision makers, Managers, Designers, Engineers, Marketers, Manufacturers, Sourcers, Buyers, who are involved in the PLM processes to learn from experts from top consulting firms and executives from PLM

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technology providers leaders, new perspectives about this fast evolving subject.

Check out which companies are represented here: <http://social-plm.com/exhibitors-attendees-speakers/> and Register here: <http://social-plm.com/register/>

Speakers include experts from - **Accenture, Ascon, Autodesk, CIMdata, Dassault Systemes, ESI-Group, IDC, Inforbix, Kenesto, Nuage, PTC and Vuuch**. Content of their presentations can be checked out here: <http://social-plm.com/speakers/>.

In an innovative 3D immersive format with avatars, which is close to face-to-face, based on Altadyn's conferencing platform, 3D-VirtualEvents.com, attendees can interact with expert speakers and PLM vendors through a life like experience with an amazing sense of presence, which favors social collaboration, but in the most efficient manner from their office, with no need to lose time and spend money travelling. They can also network in real time, and have hallway conversations with other attendees from around the world. They just log into the 3D exhibition hall with their social media profile (LinkedIn, Facebook, Google+), visit vendors' booths in a gamified environment, connect to their representatives, learn about their newest offers, and attend their presentations as well as conferences offered by analysts and experts.

Learn more about Social PLM 2012 here: <http://social-plm.com>

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Spatial 3D Insiders' Summit 2012 to Highlight New Product Releases

28 August 2012

Spatial Corp. has announced the 12th annual [3D Insiders' Summit](#). Sessions at this year's 3D Insiders' Summit will offer a strong foundation for application providers to accelerate their projects through collaboration and the exchange of knowledge and ideas. Attendees will gain greater understanding of capabilities of the [3D ACIS Modeler](#), [Convergence Geometric Modeler \(CGM\)](#) and [3D InterOp](#). Content will include tips for getting the most out of existing functionality, enhancements introduced in recent releases, and product roadmaps.

This year's event finds a new home in the town of Black Hawk, Colorado at the edge of the Rocky Mountains. The Ameristar Hotel and Casino will host the two-day conference which joins software component providers with application providers and allows attendees to discuss, discover, and collaborate with other innovators in the industry.

Collaboration is encouraged at this event. Attendees can take part in one-on-one developer meetings, numerous interactive sessions, and a Developer's Technology Exchange where participants experience first-hand the possibilities available with 3D software components. This year's 3D Insiders' Summit

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provides an opportunity to learn more about the competitive need to effectively communicate in 3D, sharing data in the cloud, and the impact of the Dassault Systèmes 3D Experience during the keynote presentation by Garth Coleman, Director of Marketing at 3DVIA. 3DVIA is also part of Dassault Systèmes, the 3D Experience Company, providing business and people with virtual universes to imagine sustainable innovations. Mr. Coleman brings an extensive history of application development, product management, and success in productizing custom applications and delivery to market.

Each year, attendees discover the many benefits of participating in the 3D Insiders' Summit. New insights and knowledge combined with interactions among colleagues, developers, and executives help attendees meet and exceed their business goals. "We've attended the 3D Insiders' Summit every year since becoming a Spatial customer, and have always found it useful. At the 2011 3D Insiders' Summit, we were able to arrange several one-on-one meetings with Spatial developers in order to explore some functionality of interest to us, and in the process met a very knowledgeable technical expert who has continued to be very responsive regarding this issue and related questions," noted Karen Gold, Senior Product Manager at aPriori.

Learn more and register at www.spatial.com/community/3d-insiders-summit-2012.

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SPRING Technologies Showcases NCSIMUL SOLUTIONS at the AMB 2012 Show

28 August 2012

SPRING Technologies announces that it will be at the [AMB 2012 show](#), one of Germany's International leading exhibition for metal working, to be held from September 18 to 22 2012 at the New Trade Fair Centre in Stuttgart - Hall 4.

Visit their booth **4A25** to see the complete [NCSIMUL SOLUTIONS](#) offering for the simulation and optimization of production processes and ramp up global productivity in your workshop.

SPRING will be demonstrating its latest collaborative solutions dedicated to CNC machines, all seamlessly integrated into the leading CAD/CAM, PLM, ERP and MES solutions that form the backbone of the digital product process.

The [NCSIMUL SOLUTIONS](#) portfolio includes:

- Simulation and optimization of NC programs (machining, drilling, riveting)
- Capitalization and management of cutting conditions
- Tool management (cutting tools and checks)
- Editing and publication of manufacturing documentation
- Viewing and sharing of NC program simulation

- Development and integration of post-processors

With its range of services (consulting, industrialization and post-processor development), SPRING Technologies brings you know-how and skills in all its fields of business and technology, offering you comprehensive insights into all your industrial processes.

For more information, visit www.springplm.com

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Implementation Investments

Autodesk Product Design Suite Helps Develop Custom Furniture in Half the Time

30 August 2012

[Autodesk, Inc.](#) has named Ellis Furniture (Ellis) — a U.K.-based furniture company in business for more than a century — as the Autodesk August [Inventor of the Month](#) for using [Autodesk Inventor](#) as part of [Autodesk Product Design Suite](#) to offer greater levels of product customization in significantly less time.

This speed enables Ellis to rapidly explore a number of design options for its customers — ranging from luxury hotels to government institutions — and create high-quality furniture that not only fits their precise needs, but is designed to last a lifetime.

“We have a number of standard ranges for our products, but within these ranges, our customers have the flexibility to customize the product as they wish,” said Tom Ellis, director of Ellis. “We see the market increasingly heading in the direction of providing more custom elements, and Autodesk software is helping us meet that need in a timely manner. When all is said and done, we’ve cut our time to market by half.”

Using Autodesk software, the company estimates that it is able to clarify initial product design concepts with customers 20 percent faster and establish material sources and material costs 30 to 40 percent faster. Ellis’ manufacturing process — including generating a bill of materials (BOM) and preparing design files for computer numerical control (CNC) machine tools with Autodesk software — takes 80 percent less time.

A Continuous Digital Workflow

Ellis worked with Autodesk Platinum Partner Symetri to purchase and implement Autodesk Product Design Suite, which includes Autodesk Inventor and other [digital prototyping](#) tools such as [Autodesk Vault](#) data management software and [Autodesk 3ds Max](#) rendering software. Ellis then integrated the

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Autodesk software with its corporate enterprise resource planning (ERP) system.

The rules-based design automation capabilities of Inventor software enable an efficient workflow where intelligent data behind each furniture design is fed into Ellis' ERP system. This fully digital process eliminates manual data entry, reduces errors and speeds up turnaround time — even as the company gives its customers greater freedom to express their design intent and personalize their furniture offerings.

When one of its larger university customers required a vast array of size and color permutations for a new range of furniture, Ellis was able to develop a base model in Inventor software and tailor it until the university was satisfied. Likewise, when one of its military customers urgently needed a new range of bedroom furniture, Ellis was able to complete the models in Autodesk Inventor within a week and go straight into manufacturing with total confidence and without delays on the shop floor. Two weeks later, the units were being shipped to the other side of the world.

“At the heart of every successful business is the ability to quickly meet customer needs and deliver a great experience,” said Brenda Discher, vice president, Manufacturing Industry Strategy and Marketing at Autodesk. “With the help of Autodesk Product Design Suite, Ellis Furniture now delivers more customized products in less time, outpacing its competition.”

About Ellis Furniture

Established in 1891, Ellis Furniture is a privately owned family business, now in its fourth generation. The company produces a wide range of furniture from its modern 200,000 sq.ft. factory based in West Yorkshire, England. For additional information, visit www.ellisfurniture.co.uk.

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Denso Gains Significant Productivity and Quality-of-Results Advantages with Cadence Mixed-Signal, Low-Power Solutions

28 August 2012

Cadence Design Systems, Inc. announced today that automotive parts manufacturer Denso Corp. experienced significant quality and productivity improvements on a low-power mixed-signal IC design after switching to Cadence® custom/analog and digital flows. After deploying the Cadence [Encounter® RTL-to-GDSII flow](#) on the digital portion of the design, Denso reported a 10 percent reduction in area and a 20 percent reduction in power compared to previous vendor flows. On the analog part of the design, based on the results of multiple test data, Denso achieved a 30 percent improvement in productivity using the Cadence [Virtuoso® custom/analog flow](#) (v6.1) and predicts the same improvement in actual designs. The result for Denso is a significant productivity and quality-of-results advantage.

"In the highly competitive automotive electronics market, reliability is a must," said Yoichi Oishi,

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manager of the Electronics Device Business Unit at Denso during his recent speech at the CDNLive! Japan technical conference. "We needed to revamp our design tools so we could develop chips more efficiently without compromising on quality. After adopting the Cadence Encounter and Virtuoso flows, we achieved our goals in terms of chip quality and time to market."

To achieve improved power, performance and area on the digital parts of advanced node designs, Denso used the Encounter RTL-to-GDSII flow, which includes Encounter RTL Compiler for global synthesis and the Encounter Digital Implementation System for design implementation. For the analog sections, Denso deployed Virtuoso Schematic Editor, Virtuoso Layout Suite and Virtuoso Analog Design Environment in a complete custom/analog flow from spec-driven multi-test environment with sensitivity analysis and circuit parameter optimization for robust, centered designs through full custom layout.

For in-design and signoff extraction, Denso used Cadence QRC Extraction, which is tightly integrated into the Virtuoso and Encounter flows for faster convergence and time to market. By switching QRC Extraction from another vendor's technology, Denso was able to eliminate the file interface and directly manage data from Virtuoso environment, resulting in a productivity boost and faster time to market.

"Cadence provides customers like Denso with a complete mixed-signal and low-power design solution - one that can help them improve key metrics such as power, performance and area," said Qi Wang, group director, Solutions Marketing at Cadence. "Whether they are working at advanced nodes or mainstream geometries, design teams are incorporating Cadence flows to meet ambitious business and market objectives."

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P/A Engineering Selects MSC Nastran & Patran to Analyze Complex Composite Components

28 August 2012

MSC Software Corporation today announced that P/A Engineering, a UK based engineering consulting company, has selected [MSC Nastran](#) and [Patran](#) to simulate complex composite components for the aerospace industry.

P/A Engineering has an extensive background in structural analysis of large aircraft. Working with OEMs, their suppliers and Supplemental Type Certificate (STC) holders, P/A Engineering offers a broad range of design and analysis services.

"With MSC Software's Finite Element Analysis (FEA) software, we can speed up the analysis process," says Jeff Woolmer, Director of P/A Engineering. "The technology also enables us to perform structural analysis for particular customer projects that we could not have otherwise addressed without MSC solutions. MSC Nastran and Patran enable us to offer a broader range of analysis solutions."

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Mr. Woolmer adds: “It was important for us to work with an industry standard and trusted solution. MSC’s customer support has been very good and timely, which built customer confidence. The initial flexible leasing helped with uncertain project schedules, and it was a low risk entry point for us.”

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The Thai-German Institute Adopts ZW3D CAD/CAM for Manufacturing Technology Training

30 August 2012

ZWSOFT has officially announced that ZW3D CAD/CAM software has been selected as the manufacturing technology training tool for the Thai-German Institute (TGI). With its ease of learning, powerful data exchange, whole-process mold design and CNC machining, ZW3D offers the TGI a well-integrated package, which enables both the trainer and trainee to drive their design ideas easily, quickly, and accurately to completion.

[The Thai-German Institute](#) is a joint initiative of the Government of the Kingdom of Thailand and the Government of the Federal Republic of Germany. The TGI aims to be an effective training center for transferring advanced manufacturing technology to the Thai industry.

“We are truly impressed that ZW3D does a good job in shortening our people’s learning curve and saving time from routine manual tasks,” said Mr. Somwang Boonrakcharoen, Deputy Executive Director of the TGI. “The Show-n-Tell™ built-in learning system let our members focus more on design and innovating and less on learning the software. With ZW3D, we keep staying on the track of transferring technology rather than learning the software, which is our real goal.”

With training as the main task of the organization, TGI has set aside courses ranging from automation, and mold and die, to production. Among these courses, ZW3D is one of the training tools adopted by TGI. “Though we don’t only use ZW3D to fulfill our training tasks, we are very content with what it is capable of, especially its powerful data exchange when it comes to deal with files from other software,” said Mr. Somwang Boonrakcharoen. “It can directly read many 3D CAD software formats, such as NX, SolidWorks, CATIA, Creo, and Inventor, which ensures smooth collaboration between courses.”

Overall, ZW3D enable trainees to learn everything from hybrid molding, assembly and mold design to CNC machining. The software’s automation and intuitive interface let trainees concentrate on developing their ideas instead of learning how to use their tools, according to TGI trainers.

In addition to the high performance CAD/CAM, the institute wanted a software provider acting like a partner, rather than a vendor. Lucky Eight Co., Ltd., ZW3D’s authorized reseller in Thailand has always been like a friend, who happens to be a CAD expert to the institute, always there when you need them. “We don’t just provide users technology, but a package including timely and attentive support to users. This is the added value we put on ZW3D, making it a real **All-in-one** CAD/CAM software.” Stated Kriangkrai Sangpaphan, CEO of Lucky Eight Co., Ltd..

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Product News

Autodesk and hyperMILL® Team up for Seamless CAD/CAM Workflows

28 August 2012

Autodesk certifies the latest version of hyperMILL®, the CAM solution from OPEN MIND Technologies AG, for use with Autodesk Inventor 2013 3D mechanical design software. The CAM software and its wide range of machining strategies and optimisation functions were once again subjected to rigorous test procedures by the CAD producer. The seamless integration of hyperMILL®, including full data associativity, guarantees continuous workflows. The combined use of both systems sets the stage for an extremely fast and fully seamless process from design right through to manufacturing.

Features such as automatic updating of CAM operations in *hyperMILL®* when changes are made to the CAD models really bring out the benefits of this deep integration. The OPEN MIND CAM solution can be accessed directly from within the Autodesk Inventor 2013 user interface and both systems share the same data pool.

“Precision and the highest possible level of accuracy in rapid and efficient processes are among the highest-valued user benefits of the integration of *hyperMILL®* in Autodesk Inventor. The Autodesk Inventor certification shows that we confirm the interoperability of the product,” says Prabakar Murugappan, director of mechanical design, at Autodesk.

Continuous workflow

The Autodesk Inventor software suite offers professional solutions, from 2D and 3D mechanical design right through to digital prototyping, which enables developers to digitally design, visualise and simulate products before manufacturing them. The integration of *hyperMILL®* allows users to directly access the optimal machining strategy for their product in a continuous workflow using the familiar user interface of the CAD application. This ensures a seamless process from design through to machining.

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CoreTech System and Computational Mechanics Laboratory Announce the Release of Moldex3D with the Russian Language Interface

27 August 2012

CoreTech System Co. Ltd, and Computational Mechanics Laboratory, Ltd. (CompMechLab® Ltd.), a spin-off company of National Research University – St. Petersburg State Polytechnical University (SPbSPU), announce the official release of Moldex3D software with Russian interface.

The localization of Moldex3D R11 software (both for Designer preprocessor and for Project module which includes the solver and post processing tools) was made by engineers of CompMechLab® - an official distributor of Moldex3D in Russia, Ukraine, Belarus, Kazakhstan and Baltic States. CoreTech System and CompMechLab® both emphasize that the full Russian localization of Moldex3D software which was performed during more than a year, is the first ever project of a worldwide known CAE-system localization in Russia. From August 27th, 2012, Russian version of Moldex3D will be available for official Moldex3D users, while CompMechLab® engineers start to provide training and consulting services for their Moldex3D customers.

To learn more about the company, visit its official websites: www.CompMechLab.ru and www.Moldex3D.ru.

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DigiPara adds BIM Functionality to DigiPara® Liftdesigner Software

29 August 2012

DigiPara is happy to present users with an enhanced version of their [DigiPara Liftdesigner](#) software, featuring **BIM Exchange for Autodesk Revit** software. DigiPara Liftdesigner software can now save [3D elevator models](#) into the LD BIM file format. It then loads the complete 3D elevator Building Information Modeling (BIM) model into the 3D [architecture software](#) Autodesk® Revit®. This greatly enhances and simplifies the existing building design process for elevator companies and architects as they can now work more efficiently together.

The new module BIM Exchange for Autodesk Revit enables elevator manufacturers to export and send complete 3D [elevator BIM](#) models, which show all elevator components, to architects and builders, who are working with Autodesk Revit software. Due to the new export format, architects can display elevators more precisely as well as perform interference checks between the elevator and the building. As BIM Exchange for Autodesk Revit creates a full-fledged elevator BIM model as a set of family instances, architects can make necessary adjustments and view space requirements, structural supports and connection points.

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In addition, it omits the elevator company's requirement to create, maintain and deliver any type of elevator Revit families, since the elevator company can deliver perfect customized elevator models from DigiPara Liftdesigner.

BIM is a digital representation of the physical and functional characteristics of a building. It improves the collaboration between architect, builders, elevator companies and other stakeholders, who typically focus on different phases of a building's life cycle. Each stakeholder can insert, extract, update or modify information to support the various aspects of the design process.

"We see BIM solutions as the core enabler for better collaboration between architects, builders, manufacturers and others involved in the building design and delivery process", said Brian M. Frank, industry executive at Autodesk, Inc., in Waltham, Massachusetts, USA. "With BIM Exchange for Autodesk Revit software, DigiPara supports the Autodesk initiatives of providing building product manufacturer specific information to the BIM process, improving project delivery, and we are happy to work with them to help extend the value of BIM to their clients around the globe."

To load a LD BIM file into Autodesk Revit software, just download and install our FREE plug-in: <http://www.digipara.com/Liftdesigner/BIMExchange.aspx>

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FANUC Controllers to Offer Advanced Simulation and Clash Detection

30 August 2012

FANUC Luxembourg Corporation (FLC), and MachineWorks have formed a tight collaboration to offer FANUC customers - machine tool manufacturers and end-users - advanced simulation and interference checking.

FLC and MachineWorks are working together to integrate MachineWorks simulation and collision checking functions with FANUC's FOCAS2 software in order to provide FANUC users with simulation of material removal and anti-crash capabilities. This functionality detects programming errors, prevents expensive mistakes and saves time and money.

MachineWorks is seeing more complicated parts being manufactured on more complex machines using more complex machining processes. Smart systems which automatically detect and prevent clashes are becoming the norm. High quality graphics are also expected so end-users can monitor their machining processes in real time.

"MachineWorks' history as a supplier of simulation and clash detection to CNC controller manufacturers made them the only credible option for this partnership. Their ability to provide NC simulation and verification of clashes between the tool, the stock and the machine has been proven repeatedly. Working

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with MachineWorks has given FANUC access to years of experience and know-how in 3D graphics and collision detection" says Uwe Warnatz, Manager Product Support at FLC.

"We are delighted that the world leader in automation has chosen MachineWorks Technology to bring FANUC users a new experience in simulation and crash prevention", says Mike Nicholson, Sales Director of MachineWorks.

The successful outcome of this collaboration was first shown at METAV 2012 and will be on display at AMB 2012 in Stuttgart and at BI-MU 2012 in Milan.

About FANUC

FANUC Corporation, headquartered at the foot of Mt. Fuji, Japan, is a diversified manufacturer of FA (Factory Automation), robots and Robomachines. Since its inception in 1956, FANUC has contributed to the automation of machine tools as a pioneer in the development of computer numerical control equipment. FANUC technology has contributed to a worldwide manufacturing revolution, which evolved from the automation of a single machine to the automation of entire production lines. FANUC is committed to developing efficient, reliable and innovative products.

For more information visit www.fanuc.eu

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Infor Delivers Infor VISUAL for Multi-Site Organizations

27 August 2012

Infor today announced the availability of Infor VISUAL for multi entity/multi-site operations. Infor VISUAL aids companies in streamlining operations across all existing business units and sites, helping to eliminate siloed data and more tightly integrating financial, inventory and manufacturing activities throughout the enterprise. Designed for order-driven manufacturers in various industries, Infor VISUAL provides customers the information needed to make quick, confident business decisions, helping boost operational efficiency and introduce new products and services quickly.

The new multi-site capabilities of Infor VISUAL will help companies to consolidate on one database and maintain accurate accounting records and financial statements for each entity or location, while rolling up the information to the parent company or site for enterprise-wide reports. In addition, master data can be shared across the enterprise to control inventory, WIP, planning, scheduling, and costing for those sites from a single, centralized location.

"We want our customers to have all the tools they need for success -- so we design every Infor application knowing that speed and accuracy are going to be critical to navigate this complex business environment," said Mark Humphlett, director of ERP marketing, Infor. "Infor VISUAL helps address

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the need for a seamless flow of data across the enterprise, giving business leaders the tools they need to make informed decisions that directly affect the bottom line."

Infor VISUAL Delivers:

- **More efficient sales, purchasing, and inventory management.** Use one database to track separate estimates, sales orders, RFQs, purchase orders, and RMAs by site, and have clear visibility into site-specific engineering masters, quotes, and work orders.
- **Advanced, real-time planning and scheduling.** View plans and schedules for multiple sites simultaneously.
- **Clear visibility into financial management.** Automate reporting and filter the Chart of Accounts to view activity by site and generate consolidated reports across entities, even if the entities use different financial calendars.
- **Strengthened vendor and customer relationships.** Create vendor IDs that have unique information such as accounting or payment details and customer IDs that have unique information such as VAT, billing, bank, credit limits, bill-to addresses, etc. The ability to invoice separately for those locations and get paid with one check for multiple invoices.
- **Organized contact management.** Gain support and flexibility in managing a contact base from a centralized location.
- **Enhanced security management.** Assign users at three levels -- allowable, viewable, and default. Employees can enter labor tickets for any site they are allowed to use, but not for any other sites that are restricted to them.
- **Improved equipment maintenance capabilities.** Assign site IDs to equipment to manage equipment maintenance -- either planned or unplanned. Helps manage scheduled down time for equipment by location.

"Through this new update, we now have the ability to automate transactions at more than 30 international locations that perform large numbers of inter-company purchases every day," said Cynthia Bly, VISUAL Information Services Manager, Pyrotek. "This automation will save us a tremendous amount of time and significantly reduce manual errors."

For more information visit www.infor.com/product_summary/erp/VISUAL/.

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Innovyze Releases InfoNet and InfoNet Mobile V13.0, Expanding Its Asset Integrity Management and Condition Assessment Toolkit

28 August 2012

Innovyze today announced the release of *InfoNet V13.0* and *InfoNet Mobile V13.0*, a comprehensive water, wastewater, and storm water smart asset performance modeling application set. The latest release adds significant customer-requested functionality that improves the software's business analytics and data management tools. Utilities will have more ways to lengthen the life of their assets and improve system performance.

InfoNet is a purpose-built asset management modeling and data analysis system for water distribution, wastewater collection and stormwater networks. Among its numerous advantages, the software enables users to manage, integrate, validate, analyze and report on their network data to provide accurate, up-to-date, auditable information on network infrastructure and performance. The formats are easy to use and comprehend. *InfoNet* ensures informed, swift and cost-effective decision making for day-to-day operational management as well as long-term network planning. It also enables users to integrate a host of different applications and data sets that they already use, including generic GIS, corporate databases, maintenance management systems, field data systems, SCADA, hydraulic modeling/analysis software and other corporate applications. This integration ensures managers have a clear picture of their network infrastructures. The software can also directly integrate to the Esri ArcGIS (9.x-10) platform.

InfoNet gives engineers the ability to analyze all aspects of the network life cycle. Users can call on its robust query engine to filter, sort, and make complex selections based on criteria related to their underground assets. It also has the unique ability to query against field surveys (CCTV, manhole inspections, smoke testing, valve inspections, etc.) and other events related to network assets.

The *InfoNet* geospatial environment also lets the user create vivid thematic maps with flexible symbology and rich detail. Its built-in report generator comes with dozens of standard reports and allows users to quickly build custom reports and graphs against any piece of data stored in the system.

InfoNet Mobile provides users with a complete field management solution. The mobile technology links field workers seamlessly and securely to *InfoNet* asset and data management software. Field staff have all of the information that they need and avoid double handling data.

InfoNet V13.0 has expanded its data model to allow users to store more information about their collections and distribution infrastructure. The new objects include: treatment plant, pump station survey, pump station electrical survey, pump station mechanical survey, and general line survey. Improved CCTV survey reporting, AutoCAD® 2013 annotation support, profile generation, and SQL querying functions are also included in *InfoNet V13.0*. *InfoNet Mobile V13.0* includes more dynamic and detailed mapping, improved report searching functionality, more field data collection validation options, and improved security.

For a complete list of new features, visit the "What's New" section of the online help for *InfoNet* and *InfoNet Mobile V13.0*.

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“Every utility is looking for ways to improve asset performance and extend the useful life of its underground infrastructure,” said Paul F. Boulos, Ph.D., BCEEM, Hon.D.WRE, Dist.D.NE, F.ASCE, President and Chief Operating Officer of Innovyze. “*InfoNet* and *InfoNet Mobile* continue to raise the bar by providing advanced analytics and data collection and analysis capabilities, allowing utilities to better understand current conditions, predict future problems and reduce their operational and capital spending.”

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Latest Autodesk SketchBook Pro Delivers the Ideal Digital Artist Toolkit

27 August 2012

[Autodesk, Inc.](#) has launched Autodesk® SketchBook® Pro 6 for Windows and Mac, the latest release from the company’s SketchBook family. This new version of the award-winning SketchBook Pro software features a streamlined interface, multi-touch navigation, French curves, synthetic paint and smudge brushes, plus even more brush controls to customize.

“The latest SketchBook Pro really builds on the qualities that have made the product so adored,” said Chris Cheung, product line manager, Autodesk. “The new brushes bring a more traditional feel and versatility to the application, but equally important are the enhancements we’ve made to performance and user interface. SketchBook Pro 6 is going to be exciting for new both new and experienced users!”

The new streamlined user interface in SketchBook Pro 6 delivers an unobstructed and discoverable environment, increasing productivity by keeping artists focused on their creative process. Updates include a new Brush Palette, Color Editor, Layer Editor, pucks, and Toolbar to create an easier and more efficient work flow. Also added are a number of Guide tools, including new French curves to help artists draw smoother and more precise lines.

SketchBook Pro 6 includes more than 100 preset brushes, featuring familiar tools, such as pencils, paintbrushes, markers, airbrushes, erasers, flood fill tools, and smudge brushes. Brushes can be further adjusted and customized to produce a wide variety of character. Settings to randomize spacing, rotation, size, and opacity can be used to provide a myriad of options for the artist.

The new synthetic paint brushes included in SketchBook Pro 6 behave more like traditional paint mediums. These brushes allow artists to adjust the paint load on the brush at the beginning of each stroke and dynamically blend the colors on the canvas. The new smudge brush allows artists to brush over existing colors to blend them. Additional brush settings allow artists to control the variation of color, hue, saturation, and brightness of each stroke they make.

"For several years, SketchBook Pro has served as part of the foundation for our digital workflow. From the elegant interface to the robust drawing toolset, SketchBook has allowed us to stay focused on what matters most: crazy monsters!" said Greg Baldwin, CreatureBox. "SketchBook Pro continues to serve as

the critical transition between traditional and digital workflow and we're excited about the new features offered in SketchBook Pro 6. The remarkably responsive brush engine paired with French curves, ellipse guides, and symmetry tools has allowed us to elevate our design process to new levels."

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Luxion Releases KeyShot 3.3

30 August 2012

Luxion is proud to release KeyShot 3.3 with new updates, UI enhancements, additional file support and a whole new way to view 3D models.

The third update to KeyShot 3 continues to add features and software enhancements to speed the 3D rendering and animation process. With KeyShot 3.3, KeyShot users have more control over their color options and a new ability to create interactive 3D content, quickly and easily, direct from the KeyShot interface.

KeyShotVR

KeyShot 3.3 introduces a new patent-pending technology for presenting products on the web. KeyShotVR™ is a 3D, interactive representation of products that can be viewed on any HTML5-enabled web-browser, including mobile devices, all without the need for any special plugins. KeyShotVR is an optional add-on that introduces an additional rendering option with settings to create different four different VR types and produce a touch-enabled 3D experience that can be embedded within any webpage. Find out more and see examples at <http://keyshot.com/vr/>.

Color Selector

KeyShot 3.3 introduces a new color selector, accessible for any color option in the KeyShot Project panel. The new Color Selection dialog allows KeyShot users to pick colors from anywhere on their screen with the added ability to save selected colors to a new palette.

Support for Autodesk Inventor 2013

Luxion continues to bring the widest variety of import options of any 3D rendering software and introduces support for Autodesk Inventor 2013 files. Autodesk Inventor users are able to import their 3D data directly into KeyShot, retaining the colors, names and assembly structure.

Additional enhancements for KeyShot 3.3 include:

- Improved support for texture coordinates from SolidWorks
- Improvements to importers including NX, Parasolid, Creo, and Inventor
- Several bug fixes

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Mastercam's Design Tools Provide Flexibility and Ease of Use

27 August 2012

Mastercam is known for NC programming, but it also delivers a suite of shop-tested design tools including 3D surfacing and solids. The streamlined CAD engine makes design work easier than ever before.

Mastercam Design streamlines modeling and editing geometry. It also supports advanced geometry creation, including NURBS curves and surfaces, 2D and 3D associative dimensioning, surface extension, blending, trimming, splitting, variable filleting, solid modeling, hybrid modeling, and much more.

A few new enhancements to Mastercam Design X6 are:

Region Chaining

Mastercam's 2D Dynamic Milling is greatly simplified with the introduction of Region Chaining. Users now define the area for a 2D dynamic milling toolpath by simply selecting the face to be machined and face to be avoided. Mastercam treats the selections (even on open pockets) as complete machining chains.

Intersecting and Trimming Solid Edges

Mastercam automatically recognizes intersections between wireframe geometry and solid edges.

Enhanced Solid Trim to Surface

New options give users even greater control over their solid/surface trim results.

Solid History Removal

Mastercam lets users strip the list of operations or features from a solid model, leaving it as a "brick" to prevent changes and protect their model.

Transform (Xform) Fit

Mastercam can "nest" geometry along a vector. This feature can be particularly helpful when users are fitting parts between clamps and fixtures.

For more information on Mastercam's Design programming, please visit www.mastercamdesigntools.com.

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Nuage Adds New Capabilities to Nuage Café, The Company's Social Business Collaboration Platform

27 August 2012

Nuage, Inc. announced today that it has released a new version of its flagship product, Nuage Café (www.nuage-cafe.com). The release includes numerous enhancements, including the following:

- Cascading folders – Create folders within folders to optimize file organization and efficiency
- Easier sign up – With a new sign up process, adding new members and inviting colleagues to join is easier than ever
- Move files from one folder to another – File handling is enhanced with the ability to move files from folder to folder with the click of a button
- Multiple file upload – Simultaneously upload multiple files

Nuage Café is designed to bring the simplicity of everyday personal social computing practices to the workplace, providing an environment to securely share and manage your intellectual property while enabling internal and external virtual teams to seamlessly communicate and collaborate. The integration of social computing tools fosters idea generation and ad-hoc innovation, making Café the ultimate solution for businesses across a broad spectrum of industries. The Nuage Café subscription is **free** to users for 2GB of space and includes key productivity features such as file management with check-in/check-out, versioning, secure ad hoc collaboration and chat.

“The new enhancements we’ve made to Nuage Café validate Nuage’s commitment to continuous improvement,” says Chris Atkins, CEO of Nuage. “This release will make business processes even more efficient and engaging – and that’s exactly what Social Business Collaboration is all about. The improvements in version 1.2 of Nuage Café are client driven and reflect our pledge to deliver productivity to our valued subscribers.”

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Project Document Management Gains from Updated Autocad® 2013 Integration in Latest Columbiasoft Release

28 August 2012

A recent software release by ColumbiaSoft updates a long-standing AutoCAD integration that helps engineering, construction, and manufacturing firms improve project document management. The new release, [ColumbiaSoft Document Locator®](#) version 6.2, is fully compatible and integrated with Autodesk AutoCAD 2013 for unified management of design files with project documents and communications.

"For CAD users and the entire project team, ColumbiaSoft connects people across all the roles and areas of responsibilities so that everyone stays informed with access to information throughout the project,"

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said ColumbiaSoft executive vice president David Pogue. "Ease-of-use has always defined our offering, and incorporating information management within the varied applications that people already know and use every day is the best way to make it easy and transparent for end users."

Combining drawings and documents together within a single system for file management offers several advantages over systems that are disconnected. Project team members can collaborate without the need for costly, specialized software for each user. Also, information is easier to find, because files are categorized with uniform attributes that make it easy to cross-reference information. For example, engineering change orders can be quickly identified and retrieved with all the associated communications, drawings, and related documents in a single search. The ability to find all related files quickly accelerates accurate decision-making.

Integration with AutoCAD mirrors connections ColumbiaSoft has engineered within other software applications like Microsoft Office for documents, emails, and spreadsheets; Adobe Acrobat used for publishing and digital signatures; and Informative Graphics Brava! used for markup and universal file viewing.

AutoCAD Integration Details

- Captures versions of drawings and related project files throughout the project lifecycle.
- Offers Save, View, and Check-Out file commands built into AutoCAD for easy access from within the design application.
- Manages drawings, image files, xrefs (external reference files), and other documents with dependent file relationships within a unified system.
- Automatically applies AutoCAD Title Block and OLE Property values, including Hyperlink Base, Project Name, Revision Number, Last Saved By (user), and Total Editing Time as metadata descriptors (facts about the files).

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Saldlab LLC Announces Fidesys-online

30 August 2012

Saldlab LLC has introduces Fidesys online - Saas service for computer aided engineering (CAE) package Fidesys, an improvement over previous offline version. New service is capable of delivering an online platform for strength analysis to customers making an analysis much faster and easier than before and will deliver new functionality that helps their customers' business. Saldlab LLC worked with the Intel® Software Partner program to test and enable their product for Intel OpenMP for Multicore Technology and has been awarded the status of Intel® Software Premiere Elite Partner. Deep parallelization of computational methods on the server side of Fidesys-online using Intel's parallel technologies and tools allowed drastically speedup computations and provide almost real-time strength analysis tool for service's clients.

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"From the very beginning we wanted to give an opportunity for the clients to solve strength analysis problems fast and accurate. Saas Fidesys-online suggests users a simple and instantaneous access to the functionality of CAE Fidesys. We're looking forward a feedback and suggestions from the clients about the service improvements and invite everybody to try it", - says Arseny Tarasov, Board member of Saldlab LLC.

The service is currently available for free at: <http://online.cae-fidesys.com/en/welcome>

About Saldlab LLC:

Saldlab LLC – a developer of multiplatform CAE Fidesys for strength analysis under large deformations and their redistribution.

About the Intel® Software Partner Program:

The Intel® Software Partner Program is a global, online membership program for independent software vendors (ISVs) developing commercially available applications for Intel platforms and technologies. The program gives ISVs access to a portfolio of resources that support the key stages of their business cycle from planning and development to marketing and sales. For more information or to enroll in the program go to <http://www.intel.com/partner>

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SmartCAM V19.0 Released

24 August 2012

SmartCAMcnc has announced the release of SmartCAM® V19.0. Version 19.0 delivers new and improved milling functionality to the SmartCAM milling suite, and several modeling and usability enhancements to the entire SmartCAM suite of computer-aided manufacturing (CAM) system software. The SmartCAM product family consists of applications for Computer-Numerical Control (CNC) milling, turning, fabrication and wire EDM.

SmartCAM Version 19.0 was conceived on three central themes: core milling improvements, core modeling improvements, and usability improvements requested by current SmartCAM customers.

The Region Roughing process introduced in SmartCAM V18 has been extended to offer a new Part Offset Roughing Pattern strategy. This new roughing method generates multiple offset profiling passes on any region configuration, including open or closed regions, with or without islands or voids. Roughing passes always progress from open stock boundaries or closed region centers toward the part profile. The resulting toolpath maintains the specified cut direction relative both the material and the part profile.

In addition to the new Part Offset roughing pattern, Version 19.0 extends the existing Spiral roughing pattern in all the roughing processes to include a new Spiral Stay-Down Roughing Option. When enabled, the stay-down behavior navigates from one “pinched off” region to another without retracting the tool and re-entering into stock. The resulting toolpath typically contains just one initial ramp to depth with the tool remaining at the cut level for the entire region, eliminating multiple retract and re-

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entry moves that would otherwise occur.

“For SmartCAM V19.0, we continued our development focus on the roughing improvements found in several of the recent SmartCAM releases. The new Part-Offset Pattern and Stay-Down Spiral Option allow far more efficient toolpaths to be automatically generated.” said Douglas Oliver, SmartCAMcnc’s Senior Product Manager. “Not only does this reduce programming and machining times, but tool life also will be greatly extended.”

Several New Modeling Capabilities have been added to the SmartCAM v19 release. A new User Region function allows wireframe machining regions to be defined using any combination of part and stock profiles. User-defined region sets can then be passed to the Region Rough process for efficient machining using the captured part and stock definition.

The SmartCAM FreeForm Machining™ milling application receives a new Boundary Surface creation method that allows model voids or holes to be easily covered to exclude them during solid and surface machining processes. The Model Checking and Healing functionality is now available in all SmartCAM applications when opening or merging CAD models, and a new Model Validation tool has been added to improve access to the healing and reporting functionality

Many Customer Requested Improvements Added

As with all SmartCAM releases, a number of new and customer-requested core usability improvements can be found in all SmartCAM V19.0 applications, such as:

- **Container Support for Dimensioning, Geometry Text, and Meshing Tools** These element types can now be created as a single container element, making it simple to modify and regenerate the element with new parameters
- **Element Data Display for Radius & Diameter** The Element Data utility has been updated to display both the radius and diameter values for wireframe arcs and surface cone, torus, and sphere elements.
- **Expanded Tool Tips** The Tool Tips feature has been expanded to display element information for a wide variety of element types
- **Undo Option for Property Change and Geometry Explode**
- **Container Support for Ordering Toolpath**
- **Longer Name Options for Workplanes, Elements, and Sub-routines** provides the ability to describe the model in greater detail
- **Most-Recently Used Macros** pull-down list has been added
- **Group Delete Key**

“The release-to-release advancement of SmartCAM has been very encouraging to our customers.” Douglas went on to say. “In addition to the powerful new roughing options, we are extremely pleased to deliver a high number of user-requested enhancements and improvements. We are convinced that SmartCAM V19.0 will be beneficial and appreciated by all SmartCAM users with their first use.”

To monitor further developments please visit www.SmartCAMcnc.com.

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Zero Wait-State Announces New Services for Small and Medium PLM Users

29 August 2012

Zero Wait-State is announcing a new services initiative specifically targeted at small and medium sized enterprises.

- This service will provide capabilities to ease adoption and cost of ownership issues relating to PLM software.
- These offerings, based on extensive market research will be both subscription based and as needed and will provide companies with technical resources for streamlining existing PLM implementations and addressing infrastructure IT issues associated with maintaining PLM software.

The services definition and pricing structure will allow small companies that lack the internal resources to adequately support their PLM implementation to access knowledgeable and capable external domain experts that can optimize their environments and keep things operating smoothly to ensure the PLM solution is delivering the maximum value.

The research was conducted over a 6 month period and involved interviews with small and medium enterprises that currently own PLM software.

- A majority of these companies indicated that they would like to leverage external resources to help them better maintain their PLM environments.
- Many of these companies indicated that while satisfied with the capabilities of their systems, they were struggling with ensuring the systems were optimized both for performance and for functionality.
- Many of these companies invested in “quick start” implementation packages to minimize up front cost.
- The quick start approach allowed them to deploy the software quickly and gain some immediate value from their investment. Unfortunately, it also left a significant amount of business needs unaddressed and left companies without internal capability to continue to improve their system by adding capability and making changes based on these business needs.

Zero Wait-State’s new service initiative will provide monthly bandwidth with PLM experts that can help companies identify areas where their current PLM solutions can be improved and also analyze the technical elements of their installations to ensure that all components are operating at maximum capacity. PLM software is based around database applications like Oracle and SQL Companies can encounter performance issues if the systems are not properly configured. Many smaller companies also lack back-up and redundancy solutions which makes them vulnerable if their systems fail. Zero Wait-

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State is a VMWare partner and utilizes this platform to help our clients develop low cost mirrored environments to provide better stability in the event of hardware or software failures.

“We are excited about this new business initiative and expect we will be able to provide valuable assistance to small and medium sized companies looking for better performance from their PLM environments”, states Stephen Porter, Zero Wait-State CEO.

Zero Wait-State will be hosting a webinar on September 5th at 1 PM Central, highlighting their approach to operational excellence for small and medium sized companies. ProNova Solutions, a Zero Wait-State client will be presenting their approach to adopting technology for process improvement and product development acceleration. Zero Wait-State will also have industry expert discussing PLM best practices. If you are interested in attending, [register here](#).

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Zuken Announces Enhanced Integration of Board Designer with Agilent Technologies Advanced Design System Software

30 August 2012

Zuken today announces enhancements to its integration between Zuken’s [Board Designer](#) solution and Agilent Technologies [Advanced Design System](#) (ADS) software.

The improved integration between the tools creates a number of benefits, including allowing engineers to easily import net, component and pin names created in Board Designer into ADS, along with other geometries. This simplifies the process of finding target signals to simulate with Agilent’s EM tools, while also slashing the time it would normally take to complete this task.

"Our long collaboration with Zuken has benefitted our mutual customers by allowing our products to work well together. These new improvements make the integration even tighter," said Todd Cutler, General Manager, Agilent EEs of EDA. "Combining the power of Zuken’s PCB design tools with Agilent’s industry-leading high-frequency analysis tools produces a more efficient design flow, resulting in better designs and shorter design cycles."

"For more than 15 years we've been working closely with Agilent to deliver high-frequency design and analysis to our mutual customers, and we are pleased to make additional improvements to this solution," said Kazuhiro Kariya, Chief Technology Officer at Zuken. "This enhanced integration will bring much smoother design and review processes for high-frequency PCB designers worldwide."

Seamless integration

ADS, Agilent’s electronic design automation software for designing RF, microwave and high-speed digital applications, integrates seamlessly with [CR-5000](#) Board Designer, Zuken’s solution for PCB and IC package design. The interface allows users to transfer physical routing structures and board material information from Board Designer to ADS. Once in ADS, engineers can use Agilent’s electromagnetic analysis tools, including Momentum and Finite Element Method simulators, to optimize the

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performance of their high-frequency circuits.

The newly enhanced interface is available with Zuken's Board Designer version 14, part of the recently-released [CR-5000 version 14](#) and the ADS 2012 release.

For more information, visit www.zuken.com/rfdesign.

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