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Acquisitions

IBM Advances Mobile Capabilities with Acquisition of Worklight

1 February 2012

In a move that will help expand the enterprise mobile capabilities it offers to clients, IBM announced a definitive agreement to acquire Worklight, a privately held Israeli-based provider of mobile software for smartphones and tablets. Financial terms were not disclosed.

With this acquisition, IBM's mobile offerings will span mobile application development, integration, security and management. Worklight will become an important piece of IBM's mobility strategy, offering clients an open platform that helps speed the delivery of existing and new mobile applications to multiple devices. It also helps enable secure connections between smartphone and tablet applications with enterprise IT systems.

In a recent study conducted by IBM of more than 3,000 global CIOs, 75 percent of respondents

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identified mobility solutions as one of their top spending priorities.* In fact, for the first time ever, shipments of smartphones exceeded total PC shipments in 2011.**

“Our clients are under increased pressure to meet the growing demands of a workforce and customer base that now treat mobility as mission critical to their business,” said Marie Wieck, general manager, IBM application and infrastructure middleware. “With the acquisition of Worklight, IBM is well-positioned to help clients become smarter mobile enterprises reaching new markets.”

Worklight accelerates IBM’s comprehensive mobile portfolio, which is designed to help global corporations leverage the proliferation of all mobile devices -- from laptops and smartphones to tablets. IBM has been steadily investing in this space for more than a decade, both organically and through acquisitions.

As a result, IBM can offer a complete portfolio of software and services that delivers enterprise-ready mobility for clients -- from IT systems all the way through to mobile devices. This builds on IBM's deep understanding of its clients and their evolving IT needs over the last several decades. Today, the world's top 20 communications service providers use IBM technology to run their applications, while every day more than one billion mobile phone subscribers are touched by IBM software.

Worklight supports consumer and employee-facing applications in a broad range of industries, including financial services, retail and healthcare. For example, a bank can create a single application that offers features to enable its customers to securely connect to their account, pay bills and manage their investments, regardless of the device they are using. Similarly, a hospital could use Worklight technology to extend its existing IT system to allow direct input of health history, allergies, and prescriptions by a patient using a tablet.

Worklight Builds on IBM's Comprehensive Mobile Software and Services Offerings

Ubiquitous connectivity provides businesses with unique opportunities to better connect with their customer base, interact with external users and employees in more efficient ways, drive productivity and reach new audiences. IBM's strategy is to offer its customers a complete set of the software and services they need to effectively bring mobile devices into their business infrastructure. These capabilities include:

Build and Connect Mobile Applications: The explosive growth of mobile has created a fragmented landscape for enterprises to support, often with limited budgets and skills. IBM's development and integration tools, complemented by Worklight, help clients to develop mobile applications and their supporting infrastructures for a variety of platforms just once - including Apple iOS and Google Android - while offering capabilities to securely connect to corporate IT systems. **Manage and Secure Mobile Devices:** As Bring Your Own Device or “BYOD” gains popularity, IT departments are looking to find an efficient and secure way to enable employees' use of mobile devices in the work place. Rather than implement a separate infrastructure solely for mobile devices, IBM's offerings are helping customers deliver a single solution that effectively manages and secures all endpoints. These unified capabilities can now extend from servers and laptops, to smartphones and tablets. **Extend Existing Capabilities and Capitalize on New Business Opportunities:** The rapid adoption of mobile computing is also creating demand for organizations to extend their current business capabilities to mobile devices, while capitalizing on the new opportunities that mobile devices uniquely provide. For instance, IBM's software, services and industry frameworks offer clients the ability to use mobile to engage with their customers around growing business opportunities such as analytics, commerce and social business applications. "In the last year, we have seen surging demand from enterprises for mobility solutions that

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will support the unique set of challenges introduced by new smartphone and tablet platforms,” said Shahar Kaminitz, CEO and founder, Worklight. “Building on our existing partnership with IBM, the acquisition of Worklight further enhances IBM’s broad mobile portfolio. Now it will be easier than ever for our clients to offer secure and connected applications to their customers, business partners and employees.”

In addition to Worklight, IBM today is also unveiling IBM Endpoint Manager for Mobile Devices, a new software system that will enable corporate users to manage and secure their mobile devices these applications are running on. For more details, visit:

<http://www.ibm.com/press/us/en/pressrelease/36661.wss>

The acquisition of Worklight is expected to close in 1Q12. Worklight will sit within IBM’s Software Group.

About Worklight

Today Worklight delivers mobile application management capabilities to clients across a wide range of industries including retail, financial services, technology, travel and hospitality and manufacturing.

This enables organizations to efficiently create and run HTML5, hybrid and native applications for smartphones and tablets with industry-standard technologies and tools. Worklight’s capabilities provide a complete and extensible integrated development environment (IDE), next-generation mobile middleware, powerful management and analytics. Worklight reduces time to market, cost and complexity while enabling better customer and employee user experiences across more devices. By enabling organizations to only develop and integrate the applications once -- for any platform -- it frees up time, resources and skills to focus on other business opportunities.

For more information on IBM’s mobile software and services portfolio visit: <http://www-01.ibm.com/software/solutions/mobile-enterprise/>.

*IBM CIO Study, 2011.

**The Economist, 2011.

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Company News

Autodesk Manufacturing Community Invited to Vote for 2011 Inventor of the Year

31 January 2012

Autodesk, Inc. has kicked off the company’s official Inventor of the Year voting process. Autodesk is encouraging members of the Autodesk Manufacturing community to visit the community [website](#) and choose one of the 2011 [Autodesk Inventor of the Month](#) winners as Inventor of the Year.

The Autodesk Inventor of the Month program recognizes the most innovative design and engineering advancements made among the hundreds of thousands of advancements users make using [Autodesk Inventor](#) software -- technology that enables [Digital Prototyping](#). A digital prototype helps users design, visualize and simulate product performance before it is built, helping reduce costs, speed time to market and enhance competitive advantage.

Community members will select the next Inventor of the Year by voting for the best of the monthly

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award winners from 2011. The company with the highest rating from community members will be named 2011 Inventor of the Year. Voting is under way and closes Feb. 29 at 5 p.m. Pacific time.

The Contenders: 2011 Inventor of the Month Winners

January 2011: [Valiant Corporation](#), a global provider of manufacturing solutions, uses the advanced dynamic simulation functionality in Autodesk Inventor to increase load capacity while reducing costs, and to minimize design weight while meeting customer performance requirements. In a recent project for The Boeing Company, Valiant designed and engineered a portable cargo loader 30 percent more efficiently.

February 2011: [Nitto Sangyo](#), a Japanese playground equipment manufacturer, uses Autodesk Inventor to develop Link Mini rocking toys. The toys are designed to be safer and more durable than standard commercial playground equipment. Eliminating reliance on physical prototyping shortened Link Mini development time by almost two months, reducing overall costs by nearly US\$6,000 (500,000 yen) per product.

March 2011: [Weatherhaven](#) provides portable shelters, camps and systems for remote sites around the world. Using Digital Prototyping in Autodesk Inventor, Weatherhaven has significantly shortened product development time from concept to manufacturing, while reduced the number of more expensive physical prototypes typically necessary to explore and validate designs.

April 2011: [Federal Equipment Company](#), a supplier of specialized military replacement parts, used Autodesk Inventor to design an advanced elevator system for the U.S. Navy. The new system enables efficient transport of munitions on board new aircraft carriers. Testing is costly, but with the help of Autodesk software, FEC can simulate the elevator's shock response in just one \$400,000 test, enabling the company to quickly identify and fix potential problems and avoid often costly retesting.

May 2011: [Hawkes Ocean Technologies](#) (HOT) designs and builds manned and remote vehicles for deep-ocean exploration. Autodesk Inventor enables HOT to create entirely new ideas and change the way submersibles operate, transforming them from "underwater balloons" to underwater crafts capable of flight.

June 2011: [Carousel Works](#) is the world's largest manufacturer of custom wooden carousels for zoos, parks and the world's largest cruise ships, including Royal Caribbean's "Oasis of the Seas" and "Allure of the Seas." With Autodesk Inventor, Carousel Works marries old-world craftsmanship with 3D design, and creates its custom wooden carousels up to 50 percent faster.

July 2011: [Pankl Aerospace Systems](#) uses Autodesk Inventor LT software to more effectively manufacture helicopter rotary systems, increasing the performance and reliability of critical components, while significantly improving pilot and passenger safety. Autodesk software helps Pankl save time, reduce manufacturing costs and increase customer quality, all while operating at optimal performance.

August 2011: [Illini Prosthetic Technologies](#), a nonprofit organization, uses Autodesk Inventor to develop more affordable and more easily fitted prosthetic arms for below-elbow amputees in developing nations. Digitally exploring and refining its ideas, IPT provides access to affordable prosthetic care, helping amputees around the world regain use of their limbs, return to work and better care for themselves and their families.

September 2011: [PMB Façade](#), a Malaysia-based company, uses Autodesk Inventor to develop architectural façades for some of the world's most astonishing buildings, including Qatar's 43-story Al-Bidda Tower, also known as Tornado Tower. The ability to digitally simulate and predict real-world

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performance before construction has helped PMB Façade reduce material cost and waste by as much as 15 percent, and deliver projects up to 30 percent faster.

October 2011: [Kelly Racing](#), an Australia-based racing team, uses Autodesk Inventor to precisely design and validate new car components that give the team a racing edge. After a race weekend, designers modify existing car parts with Inventor, increasing traction and grip by as much as 8 percent, which leads to faster lap times and increased performance.

November 2011: [A-dec](#), a leading manufacturer of dental chairs and equipment, uses Autodesk Inventor to more effectively design and develop products, cutting time to market. A-dec also uses Autodesk software to generate user manuals and service guides for its popular dentistry products, enhancing usability and reducing translation costs.

December 2011: [Green Structures](#), a UK-based clean technology company, uses Autodesk Inventor and a range of other Autodesk Digital Prototyping technology to create energy-efficiency systems. The firm's latest innovation, a heat recovery ventilation system called Ventive, provides a faster and less expensive alternative for retrofitting buildings with the latest green technologies.

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Call for Entries: Autodesk Technology Makeover Contest for Small Businesses

1 February 2012

What:

An Autodesk software technology makeover for AutoCAD® customers using outdated software and hardware is ready to help small businesses gain or enhance competitive advantage. A new contest will award up to five Lenovo® ThinkStation® workstations together with five licenses of the [Autodesk® Design Suite](#) software of the winner's choice. This contest is open to current AutoCAD small business customers (using version 2008 or earlier) based in the United States and Canada (with the exception of Quebec and Puerto Rico) employing 300 people or less.

One Grand Prize:

- The winner's choice of up to five commercial licenses of Autodesk Design Suite software (not to exceed the total number of eligible noncurrent Autodesk software licenses held by the contest winner). Winner may choose from [Autodesk® Building Design Suite](#), [Autodesk Entertainment Creation Suite](#), [Autodesk® Factory Design Suite](#), [Autodesk® Design Suite](#), [Autodesk® Infrastructure Design Suite](#), [Autodesk® Plant Design Suite](#) and [Autodesk® Product Design Suite](#).
- Up to five Lenovo E30 ThinkStations, each with 22-inch LCD monitor (not to exceed the total number of software licenses awarded).

Four First Place Prizes:

- The winner's choice of one commercial license of Autodesk Design Suite software.
- One Lenovo E30 ThinkStation with 22-inch LCD monitor.

How:

Tell us why your company needs a technology makeover by completing the entry form on the [AutoCAD Facebook](#) page. Contestants can also submit photos and video for consideration.

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All approved entries will be displayed on the AutoCAD Facebook page, to be viewed and voted on by AutoCAD Facebook fans. Ten finalists will be determined by fan votes. Winners will be chosen by Autodesk.

When:

Submissions being accepted through February 23, 2012. The final winners will be announced through a live event on the AutoCAD Facebook page on March 22, 2012.

Rules:

For official contest rules, visit <http://www.autodesk.com/techmakeover>.

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GRAPHISOFT Breaks Down BIM Transition So You Can “Get There Faster”

30 January 2012

GRAPHISOFT demystifies critical areas of the BIM process to help architects in the selection of their BIM tools.

The “Get There Faster with ArchiCAD” whitepaper examines five critical areas to explore before making your final BIM software selection. This paper was written with the sole purpose of providing accurate, reliable information about critical issues related to BIM and what ArchiCAD with advanced technology such as the GRAPHISOFT BIM Server™ provides as an answer to address these issues.

The whitepaper shares expertise and experience from six design leaders as they describe how ArchiCAD:

Improves profitability

Enables agile and competitive workflow

Provides fast, real-time collaboration

Is easy-to-learn and simplifies the 3D workflow

Makes great use of any computing power

Keeps IT costs low

Is a secure and proven BIM product

This document highlights what makes ArchiCAD BIM different than other BIM solutions.

Download the white paper [here](#).

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Intergraph® Releases Video Overview of Its New CADWorx® DraftPro™ Intelligent 2D Plant Design Solution

27 January 2012

Intergraph has published a new video overview for CADWorx DraftPro, its new intelligent AutoCAD®-based 2D plant design and layout solution available free via download. The video overview at <http://www.youtube.com/playlist?list=PL7E40D63706F54141> describes the features of CADWorx

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DraftPro, which uses the same piping specifications as CADWorx Plant Professional and works with all supported versions of AutoCAD. The software is always 100% CADWorx and 100% free and can be downloaded at <http://www.cadworxdraftpro.com>. If a user at some point decides to move to 3D design, the user can convert CADWorx DraftPro specifications to CADWorx Plant Professional at that time.

CADWorx DraftPro is specification driven and comes with hundreds of ready-to-use specifications in metric and imperial formats and over 60,000 piping components. Users can generate components on-the-fly as they are needed, and the built-in intelligence takes the guesswork out of placing piping components. Items connect and piping automatically breaks when the designer inserts components. With CADWorx DraftPro, the designer can draw elevations and sections of layouts and produce accurate, customizable bills of material of the design. The software comes with multiple languages and the files can be easily adapted to any language.

For information on Intergraph CADWorx visit <http://www.intergraph.com/products/ppm/cadworx>. For information on Intergraph's analysis products visit <http://www.intergraph.com/ppm/analysis.aspx>.

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IronCAD Signs Simulika Solutions & Consulting as New Reseller

20 January 2012

IronCAD, LLC announced the signing of a strategic partnership agreement where Simulika Solutions & Consulting Inc., Head Quarter in Montreal Canada, becomes an official value added reseller of IronCAD software and all its portfolio of Design Collaboration Suite; IRONCAD DRAFT, IRONCAD INOVATE & IronCAD Translators.

Simulika Solutions & Consulting has been established in the Canadian market for many years, providing high end CAE solutions in NEi Nastran™, NEi Works™ & NEi Fusion™ by NEi Software, Femap® by Siemens PLM Software and Composites Modeling by Simulayt; which are unique integral simulation solutions for improving product performance, reducing physical prototypes and driving innovation. Simulika Solutions & Consulting, also provides high expertise in engineering services, consulting and training.

“This partnership brings together an important component to Simulika’s engineering offerings” said George Negm, President of Simulika Solutions & Consulting. “Having IronCAD Design Collaboration Suite products as part of our solutions portfolio, allows us to provide a complete CAD/CAE solution with a very unique 3D Design technology, for customers that need speed and flexibility in designing better products in a shorter time with greater return of investment”.

“We are pleased with this new strategic partnership,” said Cary O’Connor, Vice President of Marketing at IronCAD. “With Simulika’s strong technical expertise and familiarity with the entire CAD/CAE solutions and market, we are confident that this new partnership will help both IronCAD and Simulika Solutions & Consulting expand and grow our business in Canada.”

For a full detailed product overview of the IronCAD Design Collaboration Suite, visit;
<http://www.simulika.com/solutions/mechanical-design/ironcad.html>.

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Lectra Announces Significant New Investments in India

1 February 2012

Lectra announced significant investments in India with the opening of two new offices, based in Delhi and Tirupur, one International Call Center in Bangalore and with the strengthening of its sales and distribution network in India.

Lectra has been present in India since 1998 and opened its own subsidiary based in Bangalore in 2008. “India is a fast-developing key market for Lectra. We have established a strong position in India, particularly in the apparel, automotive, wind energy, and aerospace markets. Indian manufacturers have now reached a critical size, and they require local expert support to optimize the benefits they can have by using Lectra solutions,” said Daniel Harari, Lectra CEO. “Considering all these requirements in India, Lectra has decided to considerably reinforce its presence and make significant new investments by doubling its Indian team from 12 to 24 people, opening two more offices and an International Call Center in Bangalore, and strengthening its sales and distribution network and relationships with local partners. The expanding Indian domestic market is contributing to growth in the manufacturing segment, especially in the fashion and automotive industries, where Lectra has developed unrivaled, worldwide, innovative, and extensive knowledge and best practices with leading global brands and suppliers.”

“The Indian manufacturing sector’s strength—especially across fashion, automotive and wind energy industries—is the availability of raw materials and skilled labor, growing domestic demand, and the ability to manufacture a variety of products meeting both the domestic and export requirements. In recent years, due to the global economic situation, the manufacturers have been focusing on reducing the cost of manufacturing and improving productivity to be competitive in the market,” said Laxmanasandra Jayaram (L.J.) Prashanth, Managing Director, Lectra India. “Our customers, who have deployed our solutions, benefit by increasing productivity, optimizing their existing infrastructure, and reducing substantial costs to maintain their profitability and expand their business even in difficult market situations”.

Lectra opens two new offices in Delhi and Tirupur to support Lectra customers in North India states and in Tamil Nadu and Kerala

As part of its strategy of enhancing proximity with customers and strengthening its presence in India, Lectra announces the opening of two new offices located in Delhi and Tirupur. The Lectra Delhi office will cover states in North India, where many fashion companies and the automotive hub are based, and the Lectra Tirupur office will cover the southern states of Tamil Nadu and Kerala. Tirupur is the foremost garment cluster in India and has a significant presence at the lower end of the international hosiery and knitwear market. This cluster accounts for more than 50% of cotton knitwear exports from India.

In each of these new offices, Lectra has appointed a team of solutions experts and field service engineers with industry experience to support the needs of Lectra customers. All other Indian states will continue to be covered by the existing office in Bangalore.

Lectra also opens an International Call Center in Bangalore to leverage customers’ technical queries

With an objective of helping its customers optimize the use of Lectra solutions and receive the most efficient technical support and reduce downtime, including Lectra’s unique Smart Services, Lectra has opened a new International Call Center based in Bangalore entirely dedicated to its Indian customers

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and staffed with Lectra experts. This call center includes a dedicated team of six solution specialists with rich technical expertise and is supported by a team of field service engineers in the regions. The new International Call Center will be connected with the five existing Lectra International Call Centers, located in France (Bordeaux-Cestas), North America (Atlanta), Spain (Madrid), Italy (Milan), and Asia-Pacific (Shanghai), and will benefit from Lectra's worldwide expertise and extensive know-how.

Lectra has strengthened its sales and distribution network in India and has reinforced its strategic partnerships with local partners

In line with its development strategy to support India's fast-growing market, Lectra has also decided to strengthen its sales and distribution network by collaborating with three Indian sales partners, all having a very strong local presence in specific Indian regions: Magnum Technology Solutions, its historical partner, already working with Lectra for the states of North India; Imperial Group of Companies, recently appointed as sales partner for the states of Maharashtra and Gujarat; and Alpine Knits, recently appointed as sales partner for the states of Tamil Nadu and Kerala. Their role will be to help identify business opportunities within Lectra's realm that will handle implementation, training activities, support... to guarantee optimum quality under long-term relationship with its clients.

About the Partners

Magnum Solutions: Magnum has over 15 years of experience in India covering an integrated range of CAD & CAM solutions from the world's leading suppliers and a strong track record in both deploying and supporting them efficiently.

Alpine Knits India: Alpine Knits India Pvt., Ltd., headquartered in Tirupur, is one of the leading solution providers for the garment making industries in South India. They represent some of the most world-renowned brands in the garment industry.

About Imperial Group of Companies: Imperial Group of Companies is a name that has been harmonious with the apparel and textile industry over nine decades and has a strong presence in West India. The company is a market leader in providing a "one-stop" solution in every aspect of apparel and textile manufacturing, from fiber to fashion.

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Magnus Walldén Joins Tacton Systems as VP Professional Services

1 February 2012

Tacton Systems announced the appointment of Magnus Walldén as VP Professional Services with responsibility for applications and projects.

Before joining Tacton, Walldén was Vice President Support EMEA; Lawson Software. He started at Intentia as one of the first trainees 21 years ago. During his time at Intentia, and later Lawson, he was instrumental in guiding the company through its rapid growth from 70 to 3000 employees.

While at Intentia and Lawson, Walldén acquired more than 15 years of experience leading global customer support, professional services, and business development. He has also worked with process development, services sales, account management, project management, and customer modification development.

Currently, Tacton is experiencing fantastic growth and is adding employees and contractors at a very brisk rate. Tacton is keenly aware that it is essential to have key persons and competence join the

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Walldén will join Tacton on March 1, 2012.

Tacton Systems AB

Magnus Walldén

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PRION GmbH is Now a Global Services Partner of Siemens PLM Software

2 February 2012

PRION GmbH announced an agreement with Siemens PLM Software, a business unit of the Siemens Industry Automation Division and leading global provider of Product Lifecycle Management (PLM) software and services, to help develop and implement PLM technology for customers globally.

PRION Group focuses exclusively on high-end PLM and CAD solutions in connection with Siemens PLM Software's technology. Since its establishment in 1998 its business model and worldwide skill setup has been aligned with Siemens PLM Software.

Since then Siemens PLM Software and PRION Group have developed a long track record of successfully engaging together in numerous complex projects. Both partners share the concept of creating customer value through business driven solutions on a high level of delivery excellence, quality and reliability. Joint engagements in customer projects smoothly follow standardized processes, resulting in seamless alignment and minimized risk and effort for the customer.

PRION Group's various complimentary offerings, e.g. data migration and long term customer support, are synergetic contributions to many successful customer projects.

PRION Group as service partner is providing its customers with high-quality solutions in connection with the latest Siemens PLM Software technology.

"Becoming a global services partner of Siemens PLM Software is a strong affirmation of our durable partnership and another important milestone in our company development to become a world-market leading service provider alongside Siemens PLM Software", explained Dr. Joseph Unger, co-founder PRION GmbH.

About PRION:

PRION Group is a German-based global service integration partner of Siemens PLM Software, supporting multinational companies in optimising their product related business processes.

Established in 1998, PRION Group specialises in demanding PLM and CAD solutions, with a strong focus on the technology Siemens PLM Software: Teamcenter® software, NX™ software, Tecnomatix® software. In many customer projects PRION acts as a one-stop-shop and serves customers at all of their worldwide locations.

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Employing more than 300 experts (around 120 of whom speak German) in Germany, India, US, UK and China with offices in Stuttgart, Nuremberg, Zurich, Oxford, Portland, Bangalore, Pune and New Delhi, [PRION Group](#) is a full service provider from consulting, design, implementation, rollout to support. Due to a strong presence in India, PRION Group can offer highly cost efficient, balanced on/offshore models for project execution and support/operations.

With a proven track record in key industries like automotive, transportation, aviation, general manufacturing, electronics and consumer goods, PRION Group's customer references include brands like Alstom, Audi, Bajaj, Daimler, Diehl Aircabin, EADS, Procter&Gamble, Siemens Industry, Sunseeker, Terex, VW and many others.

PRION Group is an independent privately owned organisation, certified according to ISO 9001 standards.

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Russian High-Tech Engineering Company CompMechLab® Ltd. and Swiss company KISSsoft AG signed Software Distribution Agreement

31 January 2012

Russian high-tech engineering company Computational Mechanics Laboratory, Ltd. (CompMechLab® Ltd.) - a spin-off company established on the base of Mechanics and Control Processes Department of St. Petersburg State Polytechnical University (SPbSTU), providing multi-services in computer engineering for industrial companies and enterprises from automotive, aerospace, oil & gas, nuclear power and metallurgic branches of industries, and Swiss company KISSsoft AG – software developer for automate computation and analysis of mechanical drives and gears (tooth gears, worm gears, etc.), shafts, bearing, etc. – KISSsoft and KISSsys – signed an Agreement for distribution of KISSsoft AG products in Russia, CIS countries and Baltic States (Estonia, Latvia and Lithuania).

KISSsoft/KISSsys are programs developed for comprehensive works in design, optimization and computation of machine parts, such as shafts, tooth gears and gear wheels/pinions, reducers, synchronizers, springs, joint elements and gearboxes. KISSsoft system modules allow to set various dependance and links between gearbox elements, set optimization criteria and a lot more.

"Innovative technologies of KISSsoft/KISSsys software, which allow to design, model and compute actually all machine parts and, moreover, to optimize them, are undoubtedly essential for Russian industry," - said Professor Alexey I. Borovkov, the Founder of CompMechLab®. – "Collaboration with the world leading company in the field of mechanical gears design, computation and optimization – KISSsoft AG, as well as adaptation to the technologies, developed by this company, is certainly important, as well as new for CompMechLab® Ltd. – the company which specializes in world-class CAD/FEA/CDF/CAE technologies application, which are used by leading industrial enterprises for time-saving development and computer engineering of new competitive and needed structures."

"These are our first steps in Russian market, but we can see the huge potential and positive development trends of Russian industry. For more convenient work with KISSsoft/KISSsys we have already started the software translation into Russian and adaptation to Russian standards. We are glad that we have signed the Agreement with CompMechLab® Ltd. We expect this company to be our reliable and highly professional partner in p KISSsoft and KISSsys software promotion, application, customers training and support in Russian, CIS and Baltic States markets," – added KISSsoft AG General Director, Dr. Stefan Beermann.

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In accordance to the Agreement signed, the engineering company CompMechLab® Ltd. (St. Petersburg) becomes an official KISSsoft and KISSsys software distributor in Russia, CIS (except for Belarus) and Baltic States.

Besides KISSsoft/KISSsys software, CompMechLab® Ltd. distributes such software as: Moldex3D (intended for plastic injection molding modeling, www.Moldex3D.ru), Simpleware (developed for transformation of digital images into finite element models, www.Simpleware.ru), DIGIMAT (for multi-scale non-linear analysis of composites and composite structures, www.DIGIMAT.CompMechLab.ru), NEi Nastran (for finite element analysis of constructions and composite structures, www.NENastran.ru) and ESAComp (developed for finite element modeling thin multi-layer stiffened constructions like plates and laminates, www.ESAComp.CompMechLab.ru).

CompMechLab® Ltd. (<http://www.compmechlab.com>) provides services in the field of high-tech computer engineering, such as consultations, technical support, fulfillment of scientific and research works, training customers in the following CAD/CAE software: : SolidWorks, Solid Edge, NX CAD, CATIA, Creo, ANSYS, DIGIMAT, ESAComp, LS-DYNA, Moldex3D, MSC Software, NEi Software, NX CAE, ProCAST, SIMULIA/Abaqus, SYSWELD and other.

Specialists of CompMechLab® Ltd. are engaged into various projects in many industries, including automotive, aerospace, nuclear power, oil & gas, metallurgy and telecommunications, using for these purposes a wide range of innovational computer engineering systems: ANSYS, DIGIMAT, LS-DYNA, MSC Software, NX CAE, ProCAST, SIMULIA/Abaqus, SYSWELD, etc.

Mechanics and Control Processes Department of National Research University SPbSTU, on which base Computational Mechanics Laboratory was established, graduates annually bachelors, masters and engineers with "Applied mechanics" specialization (education in "Computational mechanics and computer engineering"). Owing to close connection to SPbSTU, high skilled employees of the Laboratory possess a unique combination of high-tech knowledge and long-term working experience with leading Russian and foreign industrial companies: State Corporation "Rosatom", State corporation "Russian Technologies", "Gazprom", "Severstal", "Power Machines", Rocket-space corporation "Energia" after S.P. Korolev, "Navigation-information systems GLONASS", Airbus, Audi, BMW, Boeing, Daimler, General Electric, General Motors, Ferrari, Schlumberger and many others.

Swiss company KISSsoft AG develops software solutions for engineers who work in various branches of industry: machine building, automotive, aerospace, apparatus building and many others.

KISSsoft and KISSsys software have gained authority and trust of customers, whose activity is connected with development, design, computation and analysis of all-types tooth gears, bearings, shafts and full systems of power trains and reducers. Being involved in this business for more than 20 years, KISSsoft AG gained an exceptional experience and know-how in machine parts development industry.

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Savoy Computing Services Ltd Named an Autodesk Industry Partner

1 February 2012

Savoy Computing Services, a leading provider of transportation engineering software, announced it is now an Autodesk AEC Industry Partner. Savoy will work with Autodesk to develop applications that integrate with AutoCAD and AutoCAD Civil 3D. The two companies will work together to bring Building Information Modeling (BIM) methodologies to infrastructure design, allowing engineers to

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build reusable data models that streamline the design process and minimize wasted effort when changes occur.

“We feel extremely privileged to be working with Autodesk as an AEC Industry Partner and see it as a ringing endorsement of the solutions we deliver,” said Martin Jefferys, managing director at Savoy.

“Autodesk offers a broad portfolio of solutions—including the Autodesk Infrastructure Design Suite 2012-- to help consultants and owners plan, design, build, and manage more sustainable infrastructure, and we are excited to introduce Savoy as an Autodesk AEC Industry Partner,” said Paul McRoberts, vice president, infrastructure product line group, AEC solutions, Autodesk. “This partnership will enable us to jointly deliver to traffic engineers and roadway designers proven methodologies and integrated analysis tools through AutoTrack and AutoCAD Civil 3D 2012 to more quickly evaluate 3D models that optimize designs for roundabouts, intersections, and loading bays for safety and standards compliance.”

About Savoy Computing

UK based Savoy Computing Services Ltd have led the development of vehicle swept path solutions since the early 1990's and are currently leading the world in the use of BIM methodologies for roundabout design. Their products, which are regarded as standard design tools by many companies, provide architects, designers and engineers, in over 60 countries around the world, with an advanced and comprehensive set of transport planning and design tools. Savoy is an Autodesk Industry Partner and Autodesk Authorized Developer. For more information please visit <http://www.savoy.co.uk>

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Events News

Agilent Technologies to Demonstrate Newest High-Speed Digital Design and Test Solutions at DesignCon 2012

23 January 2012

Agilent Technologies Inc. announced it will demonstrate its high-speed digital test solutions at [DesignCon 2012](#), Jan. 31- Feb. 1, at the Santa Clara Convention Center (Booth 201).

Agilent's [high-speed digital solutions](#) offer a wide range of essential tools to help engineers design and simulate, analyze, debug and achieve compliant designs while cutting through the challenges of gigabit digital designs.

Agilent experts at DesignCon will demonstrate how to:

Build repeater models with [SystemVue](#) (saving months of programming time compared to hand coding in C), then integrate them into a complete end-to-end [ADS](#) channel simulator.

Generate and analyze 28-Gb/sec designs accurately and reliably using the most flexible jitter generator and analyzer with the lowest intrinsic jitter in products such as the [J-BERT N4903B](#), [N4876A 28-Gb/s Multiplexer 2:1](#), and the [86100D DCA-X sampling oscilloscope](#).

Ensure next-generation high-speed digital verification and compliance with [ENA Option TDR](#), a comprehensive signal-integrity measurement solution that includes Hot TDR measurements and stressed-eye diagram analysis of interconnects.

Characterize frequency-domain behaviors of PDN components using the [E5061B LF-RF network](#)

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[analyzer](#), which fully supports milliohm impedance and gain-phase measurements for DC-DC converters, bypass capacitors and PCBs.

Perform physical-layer tests with the [PLTS 2012](#), which includes new, industry-first breakthrough analysis capabilities for MATLAB connectivity, multiple aggressor crosstalk eye-diagram analysis and second THRU for asymmetric automatic fixture removal.

Take advantage of the tools that USB test labs and the USB-IF are using to validate and debug USB SuperSpeed designs with [Agilent's complete suite of tools for all protocol, transmitter, and receiver testing](#).

Accurately minimize the problems inherent in faster memory designs by pinpointing the issues using Agilent's [DDR analysis tools and new logic analyzer](#).

Agilent will also be doing live demos of [transmitter, receiver and protocol testing with new tools for PCIe® 3.0](#). The new [N4880A reference clock multiplier](#) enables accurate receiver testing of PCIe mainboards without complex setups. Plus, see how the latest versions of Agilent's [N5990A test automation software](#) increase R&D efficiency with support for PCIe 3.0 Base and CEM specification testing.

Agilent experts will present the following papers at the conference:

"[Probability Distributions of Random Errors in Frequency-Domain Measurements](#)"

"[Optical Technologies for Off-Chip and On-Chip Interconnects](#)"

"[Advances in ATE Fixture Performance and Socket Characterization for Multi-Gigabit Applications](#)"

"[Characterizations of Real Asymmetric Fixtures Using a Two-Gate Approach](#)"

"[Efficient End-to-End Simulations of 25G Optical Links](#)"

Agilent will also participate in an educational forum called Design and Test Challenges in Next Generation High-Speed Serial Standards, Jan. 30 from 1:30 to 4:30 p.m. and Feb. 1 from 8:30 to 11:30 a.m., in the second-floor theater of the Santa Clara Convention Center. The standards include PCIe 3, DDR 3/4, USB 3, and FPGA 28-Gb/s serial. To sign up for the forum, visit [www.agilent.com/find/hsd](#).

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Aras Showcases Enterprise PLM at SolidWorks World 2012

2 February 2012

Aras® announced that the company will sponsor and exhibit at SolidWorks World 2012, February 12-15, 2012 at the San Diego Convention Center in San Diego, California, USA. Located in **booth #228**, Aras will showcase the latest version of Aras Enterprise PLM, the full-featured, business-ready PLM software solution built on top of SolidWorks® Enterprise PDM.

Developed by Aras and designed specifically for the SolidWorks environment, Aras EPLM drives cross-functional collaboration and extends engineering processes throughout the company and the extended supply chain. Built right on top of SolidWorks Enterprise PDM, Aras EPLM is a scalable and secure solution for New Product Development and Introduction (NPDI), Complex Configuration Management, Enterprise Change Management, Outsourced Manufacturing, Quality Compliance and more. With Aras EPLM businesses get exactly what they need without changing existing design processes or sacrificing

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their enterprise PDM installation, making Aras EPLM the ideal PLM solution for companies that use SolidWorks.

For more information or to see a demonstration of Aras EPLM, please visit <http://www.aras-eplm.com/>

The 14th annual SolidWorks World Conference brings together designers, engineers, managers, and partners to discuss ideas, trends and the technology shaping the future of product design. Attendees can explore the latest in 3D design technology from more than 100 exhibitors, go in-depth in over 150 technical sessions and network with other SolidWorks users and industry experts. For more information visit <http://www.solidworks.com/sww/>



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CGTech Announces 22 North American VERICUT Users' Exchange Events

2 February 2012

Each year, CGTech hosts many VERICUT Users' Exchange (VUE) events around the world. In 2011, over 1,200 VERICUT users attended more than 40 VUE events in 15 countries. CGTech has announced 22 North American VUE locations scheduled in 2012 and the first will be held on Monday, March 5th in Irvine near the company headquarters. Attendees will learn about new software features, tips & tricks for improving manufacturing efficiency, and will have the opportunity to express ideas about the future direction of the software. There is no charge to attend.

VERICUT Users' Exchange

Monday, March 5, 2012

8:00 a.m. – 3:00 p.m.

Hyatt Regency Irvine

Irvine, CA

All of the tips & tricks on the agenda are customer-requested following a survey that was distributed in January. In addition to tips & tricks, the agenda will include a review of enhancements that will be included with the release of VERICUT 7.2. Version 7.2 will include over 700 customer requests and enhancements implemented since the release of 7.1. It will also feature further improvements to VERICUT's speed, user interaction, and CAD/CAM integration. CGTech will also briefly demonstrate recent advancements in VERICUT Composite Applications, simulating 6-axis robotics, and programming and simulating automated fastener machines.

To register for an event, call (949) 753-1050 or visit cgtech.com. For a list of all currently scheduled VUE events, please visit: <http://cgtech.com/usa/cgtech/vue/>. Additional locations are being added regularly.



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Computer Generated Solutions' BlueCherry Community Link-Up Event Brings Apparel Leaders Together for Best Practices Workshop

2 February 2012

[Computer Generated Solutions](#)(CGS) held a client event yesterday for [BlueCherry](#), their premier

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enterprise resource planning solution for the fashion industry.

The [BlueCherry](#) Community Link-Up Event brought together over 150 CGS clients, such as Betsey Johnson, Marc Jacobs, Richard Leeds and Ellery Homestyles among others, for a solutions workshop and networking reception. The event was specifically designed based on client feedback to extend the value of their investment in CGS and facilitate networking within the BlueCherry User Community.

The sessions concentrated on core [BlueCherry](#) solution points such as: PLM, Warehouse Management and EDI, and also featured training sessions on report building and allocation. These sessions were created to provide BlueCherry clients with specific tips and tricks they could bring back to their teams and quickly implement.

“Our community events are an ideal way to bring our clients and the BlueCherry team together to consistently update them on best practices and to facilitate collaboration. The event also allows our team to gain strategic feedback from our clients so we can continually improve our solution and offer them the features and functionality they need,” said Paul Magel, President of the CGS Application Solutions Group. “I think our BlueCherry user community and corresponding events are unrivaled in the industry.”

[BlueCherry](#) Community Link-Up events are held in New York and Los Angeles throughout the year. For more information please visit <http://www.bluecherry.com>.

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Delcam to Launch Chinese PowerMILL 2012 at Shenzhen Machinery Expo

1 February 2012

Delcam will launch the Chinese-language version of its PowerMILL 2012 CAM system for high-speed and five-axis machining at the Shenzhen Machinery Expo to be held in Shenzhen from 28th to 31st March. The new release includes a number of new strategies, together with more general enhancements to make programming faster and machining more efficient with the best-possible surface finish. Full details, including videos demonstrating the new functionality, can be seen on <http://www.delcam.tv/pm2012/lz/cn/index.html>.

The most important new option is flowline machining. With flowline machining, the toolpath is divided between a pair of drive curves in a constant number of passes, rather than having a varying number of passes with a constant stepover. The toolpath will have its start and end passes on the drive curves, with the intermediate passes blending between them.

This approach gives smoother results since it ensures that each pass travels over the full length of the area, rather than leaving the part or making major changes in direction during the pass. It produces a better surface finish on the part and minimises wear on the cutter and the machine tool.

In PowerMILL 2012, flowline machining can be applied across part of a surface, across a complete single surface or across multiple surfaces. In addition, intermediate curves can be added between the boundaries of the area to give even greater control over the toolpaths. These might be needed for particularly complex fillets or when machining gently-curved surfaces to a smooth finish.

Another important new option in PowerMILL 2012 is the ability to control the angular point distribution during five-axis machining. This option can be used to keep the machine tool moving smoothly when there is rapid angular change in one of the rotary axes of the machine tool. The problem occurs mainly

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when moving around sharp corners but is also important when the machine is operating near a vertical tool axis. If the machine tool is near the gimbal lock position, small movements in the tool-axis vector can result in large movements in one of the axes.

In both examples, smoother tool-axis changes can be achieved by increasing the density of the points in these areas. The user can specify the maximum angle that the tool axis can move between points. Extra points are inserted automatically to ensure the specified maximum angle is not exceeded. This gives a more even movement of the machine and so gives a better surface finish, with no risk of dwell marks. The smoother motion also reduces wear on the machine.

PowerMILL has offered an optional module for automated machining of blades, blisks and impellors for some time. This module has now been enhanced with the addition of a spiral machining strategy. This keeps the cutter on the surface of the part for the complete operation and so gives more even tool loading and a better surface finish.

A more general enhancement is the ability to use Bezier curves rather than polylines when sketching geometry in PowerMILL. Bezier curves give smoother boundaries, patterns and drive curves, and so enable better quality toolpaths to be produced.

Other enhancements in PowerMILL 2012 include more control over the clearance distances applied to the cutter and its holder. This is especially desirable when machining near-vertical faces, as a smaller clearance can be set for the shank, while still allowing a larger clearance for the holder. It allows the shortest safe cutter to be chosen, with no risk of collisions. Using shorter cutters will usually allow faster machining and minimise chatter so giving a better surface finish.

In addition, thread milling options have been added, and workplane editing, and Z-height selection and limiting, have been made easier. It has also been made easier to obtain measurements, including distances, angles and directions, from the part model and enter these values into forms automatically. Finally, the use of the PowerMILL macro language to program repeat operations has been extended to give users more options to customise the system for their particular needs.

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Delcam to Launch Dental Software Upgrade at Dental South China

30 January 2012

Delcam will launch a major upgrade of its software for the design and manufacture of dental implant restorations with the release of the 2012 versions of its DentCAD and DentMILL programs at the Dental South China exhibition to be held in Guangzhou from 7th to 10th March.

Delcam offers a complete, open implantology solution, from accurately capturing the implant position and orientation, through to the high-precision, multi-axis milling of customised abutments, implant bridges and dental bars, with a management system to track every stage of the process. The company remains committed to its drive to replace “closed” manufacturing methods, in which the user is restricted to the use of a limited range of equipment and materials, with “open” systems, in which manufacturers can combine their own choice of equipment and software, and then use a broad variety of materials. Thus, DentCAD can accept data from all leading dental scanning systems and output designs to any machining software, while DentMILL can take models from most dental design systems and generate toolpaths for a wide range of machine tools.

The major change in DentCAD is the introduction of a higher-definition method for modelling. This

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gives much better representation of fine details such as cusps and fissures on the tooth, and so allows a closer match to the surrounding teeth to be modelled.

It has also enabled the creation of a much more extensive and more realistic library of standard tooth designs for DentCAD. Designs much closer to real teeth can be selected from the library that require far less editing to produce the final model.

The second major change has been the incorporation of best-fitting algorithms from PowerINSPECT. These allow the positions of scan adaptors to be located to high levels of precision and so enable extremely accurate production of multi-implant restorations, such as dental bars.

Another key area for development has been dental bar design. This has been improved to give more control over the shape of the various profile sections of the bar and to make it easier to incorporate full custom abutments within the bar.

The most obvious change to DentMILL is improved integration into the DentCAD workflow, including the introduction of a new interface that replicates the cleaner style introduced in the 2010 version of DentCAD. This features a reduced number of toolbars to allow the maximum screen space for toolpath generation and simulation, together with bolder and clearer icons. The new interface has been designed in association with dental laboratories and milling centres to ensure that technicians with limited experience of computer-aided machining will find the software easy to learn and to use.

Material use has been made more efficient with improved and more flexible nesting tools to position the various restorations within the block. In particular, the ability to undertake part-to-part pinning has been added, rather than having separate sintering pins for each restoration. Background processing means that toolpath calculations can be started on the first items added to the block, while the remaining restorations are still being positioned. This approach can reduce the overall calculation times.

DentMILL has also benefited from enhancements to the latest version of PowerMILL on which it is based. These include a number of new strategies that offer smoother machining to give the best possible surface finish.

Closer integration has also been added between DentCAD and DentMILL and Delcam's OrderManager workflow management software so that the system is updated automatically with design and manufacturing data as it is generated. This is in addition to the ability for the milling-centre staff to immediately see incoming orders, approve them and download scan data to begin the design or to download design data for machining. The additional automation makes it easier to use the system to manage all the manufacturing steps through to eventual dispatch, and to maintain a 'real-time' view of the centre's total order status. Delcam's OrderManager can be used with the full variety of manufacturing methods as it can easily be tailored to manage any milling centre's individual process steps.

Each customer has access to view all their orders, from initial order acknowledgement through to eventual dispatch, to check their progress without needing to contact the milling centre, so saving time for both customer and supplier. The laboratory is notified automatically if any further information is required, and when the order has been dispatched so that it can give the dentist the expected delivery date.

As well as incorporating a high degree of automation, the system has been designed to be extremely easy to use for staff at both the laboratory and the milling centre, thus minimising administration time whilst maximising feedback. All stages of each transaction are logged, providing complete traceability

for every order.

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Delcam to Show Latest CAM at Industrie

2 February 2012

Delcam will demonstrate the latest releases of its FeatureCAM feature-based CAM system and its Delcam for SolidWorks integrated CAM system for SolidWorks on **stand 5N61** at the Industrie exhibition to be held in Paris from 26th to 30th March. Both programs include important new strategies, alongside a range of more general enhancements to allow faster toolpath generation.

The main addition to FeatureCAM 2012 R2 is a series of new strategies for 2.5D roughing. These include a continuous spiral option to minimise wear on the cutter and machine tool, high-speed roughing options, including trochoidal machining and Delcam's patented Race Line Machining, and "tear-drop" moves to clear corners more smoothly. In addition, more styles of leads and links can now be used to give greater overall efficiency for the toolpaths.

Roughing has also been improved for users of turning equipment that can operate with live tooling. A new option allows cutting with a live milling tool, while the workpiece is rotating in the turning spindle. This approach avoids the issues associated with interrupted cutting and ensures regular chip breakage, so removing any chance of wrap-around by the swarf.

All FeatureCAM users will benefit from improvements to the simulation module. In particular, they will see much faster results through the use of multiple cores for these calculations. In addition, the ability has been included to save a position during the simulation, for example, while toolpaths are being edited, and then to run the simulation from that position rather than from the start.

Other general enhancements include direct cutting and pasting of models between FeatureCAM and Delcam's PowerSHAPE design and data repair software, and the ability to create machining configurations on a network as well as on an individual computer, so saving time and encouraging consistent results from different users.

The 2012 R2 version of Delcam for SolidWorks includes new modules for b-axis turn-mill and four-axis wire EDM, plus numerous improvements to the existing functions for rough milling and finishing. As a Gold Partner CAM product, it is, of course, fully compatible with the latest release of SolidWorks.

B-axis turn-mill allows milling features to be created easily based on the b angle of the feature itself. Both the b-axis angle and the rotational orientation of turning tools can also be controlled. The technique can be used on multi-tasking machine tools, like the Mazak Integrex and the Mori Seiki NT range.

The wire EDM module introduced in the initial 2012 release has been extended to cover four-axis operation. Users can choose from die, punch, profile and rapid operations, along with a variety of other options, to generate code for all types of wire EDM equipment. As with all other Delcam for SolidWorks modules, the wire features are associative to the model so the code will update automatically following any change to the design.

Delcam for SolidWorks 2012 R2 also incorporates enhancements from the latest release of FeatureCAM on which it is based, including a series of new strategies for 2.5D roughing, improved Z-level finishing, Z-axis indexing, and faster simulation.

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Delcam to Show Latest Software for 2D and 3D Signage at ISA

31 January 2012

Delcam will show the latest release of its ArtCAM Insignia CAD/CAM software for signmaking, which features new 3D modelling and machining options, on **booth #302** at the ISA exhibition to be held from 22nd-24th March in Orlando. Signmakers attending the show will see first-hand how to create 2D signage, including cut-out, inlaid or v-bit carved signs, as well as how to design and machine stunning 3D signage with the new 3D tools.

With an array of vector-drawing tools, signmakers can create their own unique fonts and vector artwork or, if they prefer, import other vector designs into the software. These 2D designs can then be transformed into 3D shapes or machined as they are with ArtCAM Insignia's advanced 2D-machining strategies.

If the designer chooses to start with imported DXF or PDF files, ArtCAM Insignia's 'Toolpath Templates' enables them to apply previously-defined machining strategies, cutting tools and machining parameters to named layers within the imported file, and calculate them with just a single click. Before machining, they can also nest the vectors according to their true shape to prevent any material wastage, while choosing to save the dimensions of any leftover material for future use.

For 3D signage, the sign maker can either import a pre-created 3D model into the software or instantly transform their vector artwork into 3D shapes with some of ArtCAM Insignia's shape-creation tools. By simply double clicking on a specific colour of a bitmap image or a selected vector, the 'Shape Editor' tool allows the user to instantly create a 3D shape with their preferred shape profile, angle and height. The software also gives control over how the shape is combined with any 3D relief that has already been created.

Alternatively, signmakers can use the 'Two Rail Sweep' tool. This allows the creation of 3D sweep shapes by selecting a number of open vectors to represent the edges and cross sections of the 3D relief.

To add further embellishment to a design, the signmaker can add textures with the 'Texture Relief' feature or add face profiles with the 'Face Wizard' tool, useful when creating memorial plaques for example. With the 'Texture Relief' tool, a range of shapes or an imported texture can be added or subtracted to any colour or vector, or even the entire 3D model.

Any blemishes in an imported model can be removed and adjoining areas between 3D shapes softened with the 'Smooth' tool or the 'Smooth Sculpting' tool. The 'Smooth' tool smoothes the entire model or areas within a selected colour or vector evenly, whereas the 'Smooth Sculpting' tool allows the designer to vary how much material they sculpt by altering the diameter and shape of the tool used.

In contrast, the 'Erase' sculpting tool allows designers to not only sculpt areas down flat but, more powerfully, if a mistake is made, the 'Erase' tool allows them to sculpt back to a previous point in time. This means, for example, that a sign-maker could smooth an area and return a small portion back to its original state.

Once the 2D or 3D design is complete, all toolpaths can be simulated prior to being sent to the CNC or laser machine to make sure the signmaker is happy with the results.

For more information on ArtCAM Insignia, to download the trial version or purchase it online, please go to: <http://www.artcaminsignia.com>.

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Efficient Tyre Mould Programming with hyperMILL®

31 January 2012

OPEN MIND Technologies AG is participating in Tire Technology Expo in Cologne, Germany. The software developer will demonstrate its CAD/CAM solutions for efficient manufacturing of tyre moulds at **Stand 8390** from 14 to 16 February.

hyperMILL® is a modern programming platform that features high-performance 2D, 3D, and 5axis strategies for time-saving machining. All strategies are bundled in a single, intuitive user interface, which simplifies use and facilitates swift and transparent programming. OPEN MIND's tyre package offers companies in the tyre industry an application for flexible and highly economic manufacturing of tyre moulds. Special functions and automations ensure that programs can be created for both moulds and models faster than ever before.

The hyperMILL® tyre module strategies are based on proven feature technology. This allows recurring machining sequences to be programmed far more quickly. Along with the assigned geometries, features contain all information relevant to production, such as top, bottom and start point. Characteristic geometries can be defined as special features and standard machining sequences saved to a macro database. Feature technology is available for machining jobs ranging from 2D up to 5axis tasks.

Flexible programming with the tyre clock

The tyre clock in hyperMILL® allows users to concentrate on programming individual pitches. The generated program is then automatically copied to the corresponding locations within the tyre mould segments. Depending on the profile and requirements, programming is performed either for a pitch or segment. Users can choose the method that best suits their purposes.

Fast and tool-friendly roughing

hyperMAXX®, the high-performance roughing strategy for hyperMILL®, enables particularly fast material removal and machine and tool-friendly machining by dynamically adjusting the feedrate to existing cutting conditions and ideally distributing milling paths. hyperMAXX® can be used for all tasks that might include 'shelling' roughing, pocketing, or machining with a tool shank.

5axis machining

hyperMILL® features several 5axis functions for fast, reliable and process-optimised tyre mould programming. These include 5axis top milling, 5axis swarf cutting, 5axis rest machining and 5axis contour machining.

5axis shape offset roughing and finishing machining allows curved surfaces to be machined with a consistent offset. This strategy enables easy programming of even highly complex geometries, such as frequently found in tyre moulds. hyperMAXX®, in combination with 5axis contour offset roughing, enables very fast finishing.



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Geometric to Display Automation Solutions for Design and Machining at SolidWorks World 2012

31 January 2012

[Geometric Limited](#) will showcase the latest release of its solid-based CNC programming solution, CAMWorks® 2012, along with its new 2.5D CAM package, CAMWorksXpress®, and DFMPRO, at the

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SolidWorks World 2012, booth #524, San Diego Convention Center, from February 12-15, 2012 in San Deigo, CA, USA.

Attendees will have the opportunity to see live demonstrations of all three solutions and connect with the company's engineers during the three day event. Marc Bissell, Sr. Applications Engineer, Geometric will also present on 'Integrated Design and Manufacturing – From Orders to Parts' at the Certified Partner Theater on Tuesday, February 14, at 1:00 p.m.

The company will showcase:

CAMWorks 2012: CAMWorks 2012 supports SolidWorks 2012, and contains improvements in the functionality to enable faster and easier programming, and to produce more efficient tool paths for improved machining productivity. CAMWorks 2012 now includes a new Nesting add-on, which is integrated within SolidWorks to create optimized nested layouts of Parts or Assemblies. Using CAMWorks Nesting a user can select Single/Multiple sheets, specify the part-to-part distance and sheet margin/collar. For more information on CAMWorks 2012, please visit <http://www.camworks.com>.

CAMWorksXpress: CAMWorksXpress is an ideal solution for programmers and machinists, as well as new users, who are looking for an easy to learn and easy to use 2.5D machining CAM package. CAMWorksXpress is a powerful yet inexpensive tool that runs seamlessly inside SolidWorks and provides the high-powered features required for machining efficiently. For more information about CAMWorksXpress, please visit <http://www.camworksxpress.com>.

DFMPro: DFMPro is a unique and easy to use tool for the validation of the manufacturability of a designed product. By checking models for manufacturability upfront, DFMPro helps engineers address the problem of repetitive design revisions. It also helps quickly validate designs based on best practices. The new Casting capabilities of the product will be showcased at the event, along with the existing checks for Injection Molding, Sheet Metal, and Machining. For more information on DFMPro, please visit <http://www.dfmpro.com>

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Inventors, Entrepreneurs, and Makers of All Things Technical and Scientific Will Find Amazing Ideas and Tools to Make Their Dreams Reality at USA Science & Engineering Festival

30 January 2012

The USA Science & Engineering Festival hosted by Lockheed Martin offers a special appeal for budding entrepreneurs, inventors, engineers and programmers who will find the ideas, tools and resources to help them make their dreams a reality. From robotic technology to desktop manufacturing technology that makes prototype development easy and cost-effective, the "makers" and innovators of society will find a wealth of inspiration throughout the Festival and Expo, as well as in the Robot Fest and DIY Expo pavilion, where creativity and technology meet.

"The Festival is a fantastic place for technical experts of all kinds to learn about the amazing advances that have been made in technology to help them make product prototypes from 3D printers, find designs online for parts and components, and meet an array of experts to help them bring their product ideas to life," said Larry Bock, serial entrepreneur and Executive Director of the USA Science & Engineering Festival-- the nation's largest celebration of science and engineering that will take place April 28-29, 2012 in Washington, D.C. "If you're an inventor or entrepreneur looking for inspiration, the Festival will be a wealth of ideas and the DIY Expo will provide the tools to get your ideas in motion."

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Organizations like MakerBot Industries, Fab Lab DC and Fab@Home by Cornell University and Dassault Systemes Americas will show prospective inventors how they can develop product prototypes with 3D printers and digital fabrication. Sparkfun Electronics will show participants how to bring new product ideas to life more easily and inexpensively through electronics and microcontroller kits. The Festival will also feature an array of robotic technology ranging from military, manufacturing and surgical robots to more entertaining robots like R2DC's Star Wars droids and other exhibits that allow attendees to build their own robots.

In addition, budding entrepreneurs will be able to network with members of various "hackerspace" groups who work collaboratively to network, socialize and develop technical solutions and new products in their spare time. The Baltimore Node, Unallocated Space and HacDC are three hackerspace groups participating in the DIY Expo and will show some of their recent projects like the HacDC spaceblimp. Unlike the more malicious forms of hacking, the hackerspace model is borne of an interest in collaboration, shared knowledge and tools to create and innovate.

"One of the most intriguing developments in the world of American innovation over the past few years has been the advancement in collaborative 'crowdsourcing' to make it easier for ideas to become reality by working together with like-minded individuals," said Gary Mauler, founder of Robot Fest and host of the Robot Fest and DIY Expo pavilion at the USA Science & Engineering Festival. "The 'hackerspace' groups that have come together across the country are providing volunteer assistance to the defense industry and cyber-security industry, and they are now making an impact on assistive technology for individuals with disabilities, fashion and many other industries," he added.

Dustyn Roberts, author of *Making Things Move: DIY Mechanisms for Inventors, Hobbyists and Artists*, will also appear at the Festival. Roberts is an engineer who started her career at Honeybee Robotics working on the Sample Manipulation System project for NASA's Mars Science Laboratory mission. She is the founder of Dustyn Robots where she consults on projects ranging from gait analysis to designing guided parachute systems.

The USA Science & Engineering Festival and Book Fair is a free, family-friendly event that allows kids and adults to participate in over 2,000 hands-on activities and see more than 200 live performances by science celebrities, explorers, best-selling authors, entrepreneurs and world-renowned experts. For inventors and others looking for ideas and information, the Festival offers a smorgasbord of scientific and technological wonders that will entertain as it inspires the American spirit of innovation.

For more information on the USA Science & Engineering Festival, please visit the Festival [website](#).

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REGISTRATION IS OPEN - Aras ACE 2012 International

January 2012

ACE 2012 International is coming in early May and will be in the Detroit area again this year. You can [get details and register now](#).

The agenda is filling up with some excellent speakers, learning sessions, collaboration opportunities and a lot more. You'll hear how leading companies have put Aras to work and network with people like yourself that are taking global PLM to the next level with Aras.

Whether you're extending your Aras deployment or just starting your PLM initiative and looking into Aras, you'll get the insight and information you need to achieve success.

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Topics will include:

User Case Study Presentations

Global Product Development

Integrated Quality Management

Sustainable Product Development

Outsourcing and the 21st Century Supply Chain

Simplifying Complex Configuration Management

Using Process Innovation as a Competitive Advantage

Systems Engineering, Mechatronics and Requirements Management

Multi-site Replication for Distributed Deployments

Implementing Aras across the Enterprise

Understanding Aras Basics

Special Purpose Interfaces and Alternate Clients

Enterprise Search, Business Intelligence and Mobile

Integrations, Web Services and Federation with Aras

Showcase of New Solution Projects & Products

Cloud PLM and the New Frontiers

Aras Roadmap Release Plan and much more

Conference Details

Date: May 1 - 3, 2012 (2.5 days)

Location: Marriott in Troy, Michigan (close to Detroit USA)

[Registration: Free to Attend - No Fee - Registration Required](#)

Our events are specifically designed to give you time to meet and talk with other people that have similar challenges to the ones you face at your company. We've got extended breaks, added even more end user speakers and created lots of opportunities for you to connect with your peers.

You could say that ACE is kind of like "PLM unplugged". Its energy-packed, unrehearsed and unscripted... you get PLM strategy combined with in-depth knowledge and real-world experience. You see what others are doing with Aras, get ideas for the future, meet Aras team members and network & collaborate until the wee hours of the night. And you'll have a great time doing it.

Look forward to seeing you there.

[Agenda, Overview, Hotel Info and Free Registration](#)

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SAPPHIRE NOW and SAP TechEd Conferences in 2012

23 January 2012

In 2012, SAP's essential business technology and training events — SAPPHIRE NOW and SAP TechEd — return to help companies run better and transform their business.

SAP will host two SAPPHIRE NOW events in 2012. [Registration is now open](#) for SAPPHIRE NOW and ASUG Annual Conference, to be held May 14-16 in Orlando, Florida. During the week of November 12, SAPPHIRE NOW + SAP TechEd will take place in Madrid, offering unique opportunities to learn from visionary business insights and customer-driven sessions and receive premium, hands-on technical training in one location.

SAP TechEd will be held in four locations in 2012, including conferences in Las Vegas (October 15-19), Madrid, Bangalore (November 28-30) and China (date TBD). The latest conference updates and early bird registration announcements are available via the [SAP TechEd 2012 mailing list](#).

SAPPHIRE NOW provides attendees the opportunity to learn and network with customers, SAP executives, partners and experts across the entire SAP ecosystem, while SAP TechEd offers in-depth technical training and community support to allow attendees to develop practical skills that can add value to IT investments. For more information and upcoming details on both conferences, visit www.sapphierenow.com and www.saptech-ed.com.

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SofTech Exhibiting ProductCenter PLM at SolidWorks World 2012

31 January 2012

SofTech, Inc. announces that it is exhibiting at SolidWorks World 2012 in Booth 434. SofTech will be presenting its ProductCenter® PLM solution including a Certified Gold Product integration to SolidWorks®.

Additionally, SofTech has been selected to present at the SolidWorks Certified Partner Theater on February 12, 2012 at 7:15PM. SofTech along with Cryogenic Industries will present "Global Management of SolidWorks Design Libraries and Toolbox within PDM" which highlights how globally dispersed product development organizations can become more productive with SolidWorks. This presentation will include the management of the complete SolidWorks design within ProductCenter including drawings, project specific components, reusable components accessible from the Design Library, and industry standard parts accessible from Toolbox.

SofTech has been a SolidWorks partner for over 10 years providing solutions for managing product information generated through the SolidWorks software application. For additional information on the ProductCenter PLM components including the integrator for SolidWorks, please contact SofTech at (978) 513-2722 or visit the SofTech web site at <http://www.softech.com/products/productcenter-plm/components/>

About SofTech's ProductCenter PLM Solution

ProductCenter PLM is focused on helping companies maintain a comprehensive, fully integrated and useful "Bill of Information" that consolidates all product-related information used to define, design,

CIMdata PLM Industry Summary

manufacture, and service their products.

ProductCenter PLM accelerates products and profitability by fostering innovation, extended enterprise collaboration, product quality improvements, and compressed time-to-market cycles. SofTech excels in its sensible approach to delivering enterprise PLM solutions, with comprehensive out-of-the-box capabilities, to meet the needs of manufacturers of all sizes quickly and cost-effectively.

Interested in learning more about ProductCenter and SofTech's other products? Visit SofTech's new website (<http://www.softech.com/>) where you will find customer case studies and white papers as well as product information such as datasheets, videos and webinars.

Headquartered in Lowell, Massachusetts, SofTech has locations and distribution partners throughout North America, Europe, and Asia.

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SURFCAM 6 to Showcase at SolidWorks World 2012

31 January 2012

Surfware, Inc. will be demonstrating the upcoming release of its flagship product, SURFCAM 6, at the SolidWorks World 2012 exhibition to be held in San Diego, CA at the San Diego Convention Center from February 12 - 15, 2012 in **booth #224**.

SURFCAM has been a Certified SolidWorks CAM partner for many years, providing SURFCAM customers with world class precision and control over their NC programming environment when using SolidWorks design models in their shops.

SURFCAM's associativity enables programmers to open native SolidWorks files directly into SURFCAM, completely eliminating the translation process. When changes are made to the SolidWorks design models, SURFCAM automatically recognizes the design revisions and offers to regenerate the affected toolpaths. With this seamless interoperability between these two systems, SURFCAM users can quickly adapt to design changes and efficiently update their toolpaths.

The up and coming SURFCAM 6 release contains many new features such as:

- A 64-Bit Version
- New Tools and Material Database Engine
- Faster Verification Technology
- Updated Interface
- Completely redesigned Help System
- Four new toolpath strategies
- Updated CAD translators to latest CAD systems (plus RHINO CAD translator now included)
- Updated Post Processors (MPost and SPost)
- Updated Integration to FARO and MicroScribe Arms
- Newest Version of EditNC included
- Enhanced calculator for TRUEMill toolpath parameters

- Refined TRUEMill toolpath algorithms
- Plus much more.

SURFCAM 6 also supports SolidWorks 2012 parts, assemblies, sketches and configurations and includes over 200 Post Processors for major CNC machine manufacturers.

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Financial News

A Word from the CEO of SPRING Technologies –Gilles BATTIER; A Review of 2011 and Prospects for 2012

3 February 2012

SPRING Technologies held its annual journalists meeting in Paris, January 19th.

M. Gilles BATTIER, CEO of SPRING Technologies, presented some of the milestone facts and figures from 2011 as well as 2012 key prospects.

MILESTONE FACTS AND FIGURES FROM 2011

Turnover and geographic expansion

- 20% growth, of which 50% on the international market.
- The international market now accounts for 1/3 of SPRING's revenue. This performance was rewarded by the 2011 Expert Trophy from the Chamber of Commerce for Paris.
- SPRING operates in France, Switzerland, Germany, China and the USA.

Major successes

□ In France: THALES (Windchill integration); HALGAND and MICROTURBO (cutting tools); ALSTOM and EUROCOPTER (manufacturing documentation); DCNS, AIRBUS, TURBOMECA, SFARSTELL-AREVA (machining simulation).

□ International market: ALSTOM (India and China); SIDEL (China and the USA); HUYNDAI (S. Korea); MATRICI (Spain); DCNS (Brazil); RUAG (Switzerland); KUO (Mexico); HISPAÑO SUIZA (Poland); MARQUEZ (Canada); SNECMA, AEROFAB, CBR, EVENTS ind. (USA).

Development strategy

As R&D is a key aspect of software publishing, we are continuing to invest massively at a rate in excess of 20% of turnover, one of the highest in our sector.

Our determination to constantly reinforce and extend our leadership is reflected in an ambitious technological innovation plan:

We have successfully spearheaded research projects carrying the “Competitiveness Cluster” label.

With the strong recognition our know-how has earned us among our major accounts, we are now launching joint research programs in the fields of Composite Materials and Robotics.

We are also bringing in new talents. Philippe Solignac has just joined us, taking over at the head of the

CIMdata PLM Industry Summary

Marketing Department. We have plans to hire engineers, mainly in customer support and R&D roles.

The SPRING training center and Professional Services activities

- Our Training center welcomed over 1,500 technicians and engineers in 2011. The training organization FAFIEC has chosen SPRING for its collective vocational training schemes designed specifically for the automotive and aerospace sectors.
- Regarding our Services business, we have made big investments in resources, with a special focus on SAP PLM 7 and CATIA V6. This has enabled us to join RENAULT's "new PDM" project.

Key prospects for 2012

"Looking ahead at 2012, we are confident that in a revitalized business environment, with our strong position on the aerospace market, we are set to repeat our double-digit growth." – G. BATTIER.

□ **Implementation of a proposal by Gilles Battier at the Pacte PME** organization's conference on exports, namely to "hunt in packs and in project mode, harnessing the major groups, the State departments and innovative SMEs. The idea was echoed by François Barouin, French Minister of the Economy, Finance and Industry, on a visit to "Pôle Systématic".

□ **Strengthening involvement** of SPRING Technologies and Gilles Battier in the Competitiveness Clusters, including Systématic and Pacte PME.

The company was elected "Champion of Pôle Systématic" by a Promotion & Marketing Committee, with just 10 other innovative SMEs in France.

Gilles Battier was reelected to the Board of Pacte PME as representative of the Competitiveness Clusters and on to the Board and then the Executive Bureau of Pôle Systématic, as SME VP in charge of relations with large groups.

□ **Continuing investments in the international arena.**

Gilles Battier concludes: Customer satisfaction first!

"SPRING is proving that innovative SMEs can play a part in the economic recovery in Europe, alongside the flagship groups. I care deeply about getting SMEs back to full health, because I believe that this is one of the solutions for the economic, local and social development that we so badly need if we are to preserve the international influence and prestige of French industry."

In addition to our double-digit growth forecast for 2012, we have three clearly defined goals: *Goal #1: Customer satisfaction; Goal #2: Customer satisfaction; Goal #3: Customer satisfaction.*"

For more information, visit <http://www.springplm.com>.

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Arena Grows New Business 19% in 2011; Successful 4th Quarter Bolstered by the Launch of PDXViewer, and an Increased Focus on Strategic Partnerships

3 February 2012

[Arena Solutions](#) announced a 19% increase in new customers for the year ending December 31, 2011, compared to the same period one year earlier. Helping drive that growth were increases in annuity bookings -- up nearly 15% for the year -- and an increase in subscriptions coming from new strategic partnerships. New customers were up 18% for the quarter compared to the same quarter in 2010.

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In addition to 2011's strong subscription and renewal numbers, Arena fulfilled its commitment to expand the company by building out its software, infrastructure and partner community. One notable development was the launch of PDXViewer -- a free, cloud-based app for viewing PDX files from any PLM or PDM system. PDXViewer displays PDX build packages from any PLM system, and makes BOM data available to a much wider audience.

According to Steve Chalgren, vice president of product management and strategy, "PDXViewer presents BOM data in an easily navigable format that keeps the context of the BOM and includes all of the peripheral information like AML and AVL. Because so many business systems are configured with a PDX output option, we are attracting a wide, varied audience with this new product, and the response has been enthusiastic. As we continue to develop new features for PDXViewer that will set it apart from other viewers out there, we expect this to continue."

Also in Q4, Arena surpassed its 99.5% service level agreement with 100% scheduled uptime in Q4 2011 and a continued focus on delivering the most secure and reliable collaborative BOM and change management solution available.

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

Cambium Networks -- a provider of professional grade fixed wireless broadband and microwave solutions for global data, voice and video connectivity.

Ubiquiti Networks -- a designer and manufacturer of disruptive technology platforms for emerging markets.

Meteorcomm -- a wireless telecommunications company that provides the equipment and services to track, monitor and control assets for the railroad industry.

TrueNorth Avionics -- a world-class communications company that specializes in developing integrated, lifestyle-in-the-sky solutions for large-cabin premium aircraft.

Monster -- a producer of high performance headphones including Beats by Dr. Dre.

Soberlink, Inc. -- the creator of a patent pending medical device that remotely monitors a person's blood alcohol level and wirelessly transmits a sobriety report to a web-based monitoring portal.

Quadlogic Controls Corporation -- developer of a patented power line communications technology and a provider of tenant electric billing services.

Taquia -- a provider of next generation telecommunication systems and applications including convergence switching, IP peering and small cell deployment solutions.

AccuVein -- a medical imaging company with a breakthrough product that can improve venipuncture procedures by allowing health care professionals to see a map of peripheral veins on the skin's surface.

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Aspen Technology Announces Financial Results for the Second Quarter Fiscal 2012

1 February 2012

Aspen Technology, Inc. announced financial results for its second quarter of fiscal 2012, ended

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December 31, 2011.

“We are pleased with the company’s execution during the second quarter. While global economic conditions remain volatile, AspenTech delivered accelerated year-over-year growth in total license contract value for the second quarter and first half of fiscal 2012 as compared to growth in the prior fiscal year periods.”

Mark Fusco, Chief Executive Officer of AspenTech, said, “We are pleased with the company’s execution during the second quarter. While global economic conditions remain volatile, AspenTech delivered accelerated year-over-year growth in total license contract value for the second quarter and first half of fiscal 2012 as compared to growth in the prior fiscal year periods.” Fusco added, “We again met or exceeded our financial guidance across all key metrics for the second quarter, and we believe the company is well positioned to do the same relative to our full year objectives.”

Second Quarter Fiscal 2012 and Recent Business Highlights

- The license portion of total contract value was \$1.36 billion for the second quarter of fiscal 2012, which increased 12.9% compared to the second quarter of fiscal 2011 and 4.1% sequentially.
- Total contract value was \$1.54 billion for the second quarter of fiscal 2012, including the value of bundled maintenance, which increased 17.9% compared to the second quarter of fiscal 2011 and 5.2% sequentially.
- Annual spend, which the company defines as the annualized value of all term license and maintenance revenue contracts at the end of the quarter, was approximately \$284 million at the end of the second quarter, representing an increase of approximately 12% on a year-over-year basis.

Summary of Second Quarter Fiscal Year 2012 Financial Results

AspenTech’s total revenue of \$66.6 million increased 34% from \$49.8 million in the second quarter of the prior year.

- Subscription and software revenue was \$46.5 million in the second quarter of fiscal 2012, an increase from \$25.3 million in the second quarter of fiscal 2011 and \$31.9 million in the first quarter of fiscal 2012.
- Services & other revenue was \$20.1 million in the second quarter of fiscal 2012, compared to \$24.5 million in the second quarter of fiscal 2011 and \$19.3 million in the first quarter of fiscal 2012.

For the quarter ended December 31, 2011, AspenTech reported income from operations of \$7.0 million, compared to a loss from operations of \$9.3 million for the quarter ended December 31, 2010.

Net income was \$3.8 million for the quarter ended December 31, 2011, leading to net income per share of \$0.04, compared to a net loss per share of \$0.11 in the same period last fiscal year.

Non-GAAP income from operations, which adds back stock-based compensation expense and restructuring charges, was \$10.1 million for the second quarter of fiscal 2012, compared to a non-GAAP loss from operations of \$6.9 million in the same period last fiscal year. Non-GAAP net income was \$6.0 million, or \$0.06 per share, for the second quarter of fiscal 2012, an improvement compared to a non-GAAP net loss of \$8.0 million, or (\$0.09) per share, in the same period last fiscal year. A reconciliation of GAAP to non-GAAP results is included in the financial tables included in this press release.

Mark Sullivan, Chief Financial Officer of AspenTech, said “Revenue and profitability were well above our guidance for the second quarter due primarily to the timing of recognizing revenue associated with a

CIMdata PLM Industry Summary

few large contracts with longstanding customers.” Sullivan added, “We continue to believe that growth in total license contract value and annual spend are more meaningful than reported revenue growth during the company’s multi-year revenue model transition, and free cash flow generation is more meaningful than GAAP profitability. AspenTech delivered a strong performance across each of these areas during the second quarter, as well as for the first half of fiscal 2012.”

AspenTech had a cash balance of \$143.3 million at December 31, 2011, a decrease of \$2.1 million from the end of the prior quarter. The company generated \$23.0 million in cash flow from operations and \$22.3 million in free cash flow after taking into consideration \$0.7 million in capital expenditures and capitalized software. During the quarter, the company also used \$11.1 million in cash to repurchase shares of common stock, and it reduced secured borrowings by \$14.6 million.

Use of Non-GAAP Financial Measures

This press release contains “non-GAAP financial measures” under the rules of the U.S. Securities and Exchange Commission. Non-GAAP financial measures are not based on a comprehensive set of accounting rules or principles. This non-GAAP information supplements, and is not intended to represent a measure of performance in accordance with, disclosures required by generally accepted accounting principles, or GAAP. Non-GAAP financial measures should be considered in addition to, not as a substitute for or superior to, financial measures determined in accordance with GAAP. A reconciliation of GAAP to non-GAAP results is included in the financial tables included in this press release.

Management considers both GAAP and non-GAAP financial results in managing AspenTech’s business. As the result of adoption of new licensing models, management believes that, for the next few years, a number of AspenTech’s performance indicators based on GAAP, including revenue, gross profit, operating income (loss) and net income (loss), will be of limited value in assessing AspenTech’s performance, growth and financial condition. Accordingly, management instead is focusing on certain non-GAAP and other business metrics, including the non-GAAP metrics set forth in this press release, to track AspenTech’s business performance. None of these non-GAAP metrics should be considered as an alternative to any measure of financial performance calculated in accordance with GAAP.

Conference Call and Webcast

AspenTech will host a conference call and webcast today, January 31, 2012, at 4:30 p.m. (Eastern Time), to discuss the company’s financial results for the second quarter fiscal 2012 as well as the company’s business outlook. A replay of the call will be archived on AspenTech’s [website](#) and will also be available via telephone at (855) 859-2056 or (404) 537-3406, conference ID code 46505886, through February 7, 2012.

For Financial Tables please access the unabridged press release at

<http://ir.aspentech.com/phoenix.zhtml?c=86692&p=irol-newsArticle&ID=1654826&highlight=>

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Autodesk Extends Invitation to Join its Fourth Quarter Fiscal 2012 Financial Results Conference Call Thursday, February 23, 2:00 p.m. Pacific Time

1 February 2012

What: Autodesk, Inc. announced that it will broadcast its fourth quarter fiscal 2012 financial results conference call live via its website Thursday, February 23, 2012 at 2:00 p.m. Pacific Time.

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How: Autodesk will host a live webcast call at <http://www.autodesk.com/investors>. An audio replay webcast and podcast will also be available after 4:00 p.m. Pacific Time on our website at <http://www.autodesk.com/investors>.

Contact: For more information, please call Autodesk Investor Relations at 415-507-6705.

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Cadence Reports Fourth Quarter and Fiscal Year 2011 Financial Results

1 February 2012

Click here for the [Q4 2011 Financial Schedules](#).

Cadence Design Systems, Inc. announced results for the fourth quarter and fiscal year 2011.

Cadence reported fourth quarter 2011 revenue of \$308 million, compared to revenue of \$249 million reported for the same period in 2010. On a GAAP basis, Cadence recognized net income of \$11 million, or \$0.04 per share on a diluted basis in the fourth quarter of 2011, compared to a net loss of \$37 million, or \$(0.14) per share on a diluted basis in the same period in 2010. Revenue for 2011 totaled \$1,150 million, compared to revenue of \$936 million for 2010. Net income for 2011 was \$72 million, or \$0.27 per share on a diluted basis, compared to net income of \$127 million or \$0.48 per share on a diluted basis for 2010. The GAAP net income for 2010 included a \$148 million income tax benefit related to the settlement of an Internal Revenue Service examination of Cadence's federal income tax returns for the tax years 2000 through 2002 and a \$67 million acquisition-related income tax benefit.

Using Cadence's non-GAAP measure, net income in the fourth quarter of 2011 was \$46 million, or \$0.17 per share on a diluted basis, as compared to net income of \$18 million, or \$0.07 per share on a diluted basis in the same period in 2010. For 2011, non-GAAP net income was \$138 million, or \$0.51 per share on a diluted basis, compared to non-GAAP net income of \$53 million or \$0.20 per share on a diluted basis in 2010.

"I am very proud of the accomplishments of the Cadence team in 2011," said Lip-Bu Tan, president and chief executive officer. "In addition to outstanding financial results, our accomplishments included introduction of new products for hardware-software co-design, leadership for 20-nanometer and advanced multi-core processor design, and deeper collaboration with industry leaders."

"Strong top-line growth and a continued focus on efficiency led to a significant improvement in operating profitability for 2011," added Geoff Ribar, senior vice president and chief financial officer. "Our financial position also strengthened in 2011 as we were able to add to our cash position even after funding acquisitions, increased investment in R&D, and the retirement of \$150 million of convertible notes."

In addition to using GAAP results to evaluate Cadence's business, management believes it is useful to measure results using a non-GAAP measure of net income, which excludes, as applicable, amortization of intangible assets, stock-based compensation expense, integration and acquisition-related costs, including changes in the fair value of contingent consideration related to prior acquisitions, acquisition-related income tax benefits, income tax expense or benefits related to the settlement of IRS examinations, shareholder litigation costs and charges, gains or losses and expenses or credits related to non-qualified deferred compensation plan assets, executive and other employee severance costs, restructuring charges and credits, amortization of discount on convertible notes, losses on extinguishment of debt, equity in losses or income from investments, write-down of investments, and

CIMdata PLM Industry Summary

gains or losses on the sale of investments. Non-GAAP net income is adjusted by the amount of additional taxes or tax benefit that the company would accrue if it used non-GAAP results instead of GAAP results to calculate the company's tax liability. See "GAAP to non-GAAP Reconciliation" below for further information on the non-GAAP measure.

The following statements are based on current expectations. These statements are forward-looking, and actual results may differ materially.

Business Outlook

For the first quarter of 2012, the company expects total revenue in the range of \$305 million to \$315 million. First quarter GAAP net income per diluted share is expected to be in the range of \$0.08 to \$0.10. Net income per diluted share using the non-GAAP measure defined below is expected to be in the range of \$0.14 to \$0.16.

For 2012, the company expects total revenue in the range of \$1,240 million to \$1,280 million. On a GAAP basis, net income per diluted share for 2012 is expected to be in the range of \$0.39 to \$0.49. Using the non-GAAP measure defined below, net income per diluted share for 2012 is expected to be in the range of \$0.60 to \$0.70.

A schedule showing a reconciliation of the business outlook from GAAP net income and diluted net income per share to non-GAAP net income and diluted net income per share is included with this release.

Audio Webcast Scheduled

Lip-Bu Tan, Cadence's president and chief executive officer, and Geoff Ribar, Cadence's senior vice president and chief financial officer, will host a fourth quarter 2011 financial results audio webcast today, February 1, 2012, at 2 p.m. (Pacific) / 5 p.m. (Eastern). An archive of the webcast will be available starting February 1, 2012 at 5 p.m. (Pacific) and ending February 15, 2012 at 5 p.m. (Pacific). Webcast access is available at http://www.cadence.com/cadence/investor_relations.

The unabridged press release with additional financial tables is available [HERE](#).

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OpenText Reports Second Quarter Fiscal Year 2012 Financial Results

1 February 2012

Open Text^(TM) Corporation announced unaudited financial results for its second fiscal quarter ended December 31, 2011. (1)

Financial Highlights for Q2 FY12

- Total revenue for the period was \$321.5 million, up 20.2% Y/Y
- License revenue was \$89.7 million, up 13.3% Y/Y
- GAAP -based EPS was \$0.81 compared to \$0.64 Y/Y; Non-GAAP- based EPS was \$1.39 compared to \$1.22 Y/Y (2)

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- GAAP-based income from operations was \$55.2 million and 17.2% of revenues; Non-GAAP-based operating income was \$98.5 million and 30.7% of revenues (2)

"I am delighted to join OpenText and to be based out of Waterloo, Ontario," said Mark J. Barrenechea, OpenText President and Chief Executive Officer. "With proven success as a market leader in ECM, OpenText has unparalleled talent, innovative products and an impressive group of world-class customers and partners. I see tremendous market opportunity and an exciting future for the Company. I look forward to working with the Company's employees, customers and investors to lead OpenText to the next level of success."

Business Highlights

- Mark J. Barrenechea appointed President and CEO of OpenText effective January 2, 2012; John Shackleton retires
- Americas contributed 53% of total revenue, while EMEA contributed 40% and Asia Pacific 7%
- License was approximately 27.9% of revenue, customer support contributed 51.4% and services and other was approximately 20.7% of revenue
- Partners contributed 44% of license revenue
- Services, technology and financial services verticals saw the most demand
- Customer successes in the second quarter include Peabody Energy, Salzgitter AG, Taco Bell and Volkswagen Finance
- Completion of financing; 5-year term loan of \$600 million replaces previous loan; repaid previous credit facility of approximately \$332.9 million
- Now shipping: OpenText Tempo, fast, easy, secure document sharing solution that allows enterprise users to share and manage content in secure folders on smartphones, tablets, PCs or laptops.

Summary of Results

	Q2 FY12	Q1 FY1 2	Q 2 FY11	% C hange (Q/Q)	% Ch a nge (Y/Y)
Revenue (million).....	\$321.5	\$288.0	\$267.5	11.6%	20.2%
GAAP-based gross margin.....	67.1%	64.8%	68.4%	230 bps	(130) bps
GAAP-based operating income margin.....	17.2%	9.4%	19.7%	780 bps	(250) bps
GAAP-based EPS.....	\$0.81	\$0.60	\$0.64	35.0%	26.6%

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Non-GAAP-based gross margin (2)	73.8%	72.1%	74.6%	170 bps	(80) bps
.....					
Non-GAAP-based operating margin (2)..	30.7%	25.3%	31.6%	540 bps	(90) bps

Non-GAAP-based EPS (2)

\$1.39 \$1.03 \$1.22 35.0% 13.9%

Conference Call Information

The public is invited to listen to the earnings conference call at 5:00 p.m. ET (2:00 p.m. PT) by dialing 800-814-4859 (toll-free) or 416-644-3414 (international). An audio replay of the conference call will also be made available approximately two hours after the conclusion of the call. The audio replay will remain available until 11:59 p.m. on February 15, 2012 and can be accessed by dialing 877-289-8525 (toll-free) or 416-640-1917 (international) and entering the confirmation code: 4502362, followed by the number sign.

Please see below note (2) for a reconciliation of non-US GAAP based financial measures used in this press release, to US GAAP based financial measures.

Use of Non-GAAP Financial Measures

In addition to reporting financial results in accordance with US GAAP, the Company provides certain non-US GAAP financial measures that are not in accordance with US GAAP. These non-US GAAP financial measures have certain limitations in that they do not have a standardized meaning and thus the Company's definition may be different from similar non-US GAAP financial measures used by other companies and/or analysts and may differ from period to period. Thus it may be more difficult to compare the Company's financial performance to that of other companies. However, the Company's management compensates for these limitations by providing the relevant disclosure of the items excluded in the calculation of non-US GAAP net income and non-US GAAP EPS both in its reconciliation to the US GAAP financial measures of net income and EPS and its consolidated financial statements, all of which should be considered when evaluating the Company's results. The Company uses the financial measures non-US GAAP EPS and non-US GAAP net income to supplement the information provided in its consolidated financial statements, which are presented in accordance with US GAAP. The presentation of non-US GAAP net income and non-US GAAP EPS is not meant to be a substitute for net income or net income per share presented in accordance with US GAAP, but rather should be evaluated in conjunction with and as a supplement to such US GAAP measures. OpenText strongly encourages investors to review its financial information in its entirety and not to rely on a single financial measure. The Company therefore believes that despite these limitations, it is appropriate to supplement the disclosure of the US GAAP measures with certain non-US GAAP measures for the reasons set forth below. Non-US GAAP net income and non-US GAAP EPS are calculated as net income or net income per share on a diluted basis, excluding, where applicable, the amortization of acquired intangible assets, other income (expense), share-based compensation, and restructuring, all net of tax. The Company's management believes that the presentation of non-US GAAP net income and non-US GAAP EPS provides useful information to investors because it excludes non-operational charges. The use of the term "non-operational charge" is defined by the Company as those that do not impact operating decisions taken by the Company's management and is based upon the way the Company's management evaluates the performance of the Company's business for use in the Company's internal reports. In the course of such evaluation and for the purpose of making operating decisions, the

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Company's management excludes certain items from its analysis, such as amortization of acquired intangible assets, restructuring costs, share-based compensation, other income (expense) and the taxation impact of these items. These items are excluded based upon the manner in which management evaluates the business of the Company and are not excluded in the sense that they may be used under US GAAP. The Company believes the provision of supplemental non-US GAAP measures allows investors to evaluate the operational and financial performance of the Company's core business using the same evaluation measures that management uses, and is therefore a useful indication of Open Text's performance or expected performance of recurring operations and facilitates period-to-period comparison of operating performance. As a result, the Company considers it appropriate and reasonable to provide, in addition to US GAAP measures, supplementary non-US GAAP financial measures that exclude certain items from the presentation of its financial results in this press release.

NOTES: For a detailed explanation of notes with financial tables please access the unabridged press release at <http://www.opentext.com/2/global/press-release-details.html?id=DD92ABF16E72439991481B985C725758>

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SofTech Adopts Rights Agreement Designed to Preserve Use of NOLs

3 February 2012

SofTech, Inc. announced that its Board of Directors has adopted a rights agreement (the "Rights Agreement") designed to preserve the value of its federal net operating loss carryforwards ("NOLs") from unintended limitation under Section 382 of the Internal Revenue Code ("Section 382").

As of May 31, 2011 SofTech had NOLs of approximately \$18.3 million. NOLs can generally be used to offset future taxable income and, therefore, reduce federal income tax obligations. However, SofTech's ability to use its NOLs will be limited by Section 382 if an "ownership change" occurs. Generally, an "ownership change" under Section 382 occurs if, one or more shareholders owning 5% or more of a company's common stock increase their ownership to more than 50% over a rolling three-year period. The Rights Agreement was adopted to reduce the likelihood of an ownership change occurring that would result in an unintended triggering of Section 382 and the resulting restrictions on SofTech's use of its NOLs.

"The NOLs are important assets of SofTech. The Rights Agreement protects the interests of all shareholders by preserving our ability to use these assets," said Joseph P. Mullaney, chief executive officer of SofTech. "The Rights Agreement we are putting in place is similar to agreements adopted by many other companies like SofTech that have valuable tax assets. It is intended to maintain shareholder value and we believe that the Rights Agreement is in the best interests of SofTech's shareholders; it was not implemented in response to any known accumulation of shares of SofTech's common stock," Mr. Mullaney said. SofTech intends to submit the Rights Agreement to shareholders for approval at the Company's next annual meeting.

In connection with the Rights Agreement SofTech's Board of Directors declared a non-taxable dividend of one common stock purchase right (the "Rights") for each outstanding share of its common stock. The Rights will be distributed to shareholders of record as of February 15, 2012, but would only be activated if triggered by the Rights Agreement. Any shares of common stock issued after the record date will be issued together with the Rights. Effective today, if any person or group acquires 4.99 percent or more of

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the outstanding shares of common stock (other than certain persons exempted by the Board of Directors as described in the Rights Agreement), there would be a triggering event under the Rights Agreement resulting in significant dilution in the ownership interest of such person or group in SofTech stock. A shareholder who currently beneficially owns 4.99 percent or more of the outstanding shares of common stock will not trigger the Rights unless that shareholder thereafter becomes the beneficial owner of additional shares of common stock representing one half of one percent (0.5%) or more of common stock then outstanding.

The consequences to a person or group that caused a triggering event (the "Acquiring Person") would be that all other shareholders other than the Acquiring Person would be allowed to purchase additional shares at a significant discount thereby materially diluting the Acquiring Person's holdings. In this way the Rights Agreement acts as a deterrent.

The Rights will expire upon the earliest of the close of business on February 2, 2015 (unless that date is advanced or extended by the Board of Directors), the time at which the Rights are redeemed or exchanged, or the time at which the Board of Directors determines that the NOLs are no longer available under Section 382.

Additional information regarding the Rights Agreement will be contained in a Current Report on Form 8-K and in a Registration Statement on Form 8-A that SofTech will be filing with the Securities and Exchange Commission.

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Implementation Investments

ABB Finland is Using Cadac Organice for Document Management and Project Collaboration

31 January 2012

Cadac Organice has successfully implemented the Cadac Organice Solution Suite at the Business Unit Process Industry of ABB Finland. The solution supports ABB Finland in managing and collaborating on documents.

ABB is a global leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. ABB operates in more than 100 countries and has offices in 87 of those countries to give its global and local customers the support they need to develop and conduct their business successfully. ABB includes 5 businesses and serves various industries including oil and gas, power, chemicals and pharmaceuticals, pulp and paper, metals and minerals, marine and turbocharging.

The business unit Process Industry of ABB in Finland has a Center of Excellence for Electrification, Instrumentation and Composite Plants. It includes an engineering team that executes EPC projects (Engineering, Procurement and Construction) for customers in the process industry. During a project the team easily creates around 4,000 documents. To support them in managing and collaborating on documents, ABB started to look for a document management solution. They chose and implemented Microsoft SharePoint and Cadac Organice, because they not only needed a solution for document management but also a platform for collaboration.

Malin Mannevaara, IS Project Manager at ABB Finland: "Cadac Organice not only allows us to manage AutoCAD drawings in SharePoint, it also offers us a lot more functionality and flexibility. We are now

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able to execute batch operations on documents, including check out/in and multiple file upload. Cadac Organice Explorer also extends the possibility to easily sort, group and filter documents in SharePoint, which makes it much easier for our engineers to work with documents. Documents are saved and stored in a proper project structure and version management helps us to manage multiple versions of documents and always retrieve the latest. With Cadac Organice we have improved the quality of document management for our business.”

More information about Cadac Organice at ABB Finland is available in a reference case that can be downloaded from <http://www.organice.com>.

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Autodesk Software Helps Company Create Distinctive Transit Shelters and Displays

31 January 2012

Autodesk, Inc. has named Tolar Manufacturing ([Tolar](#)) — a manufacturer of transit shelters, street furniture and advertising kiosks — as the Autodesk [Inventor of the Month](#) for January 2012. Tolar was recognized for its use of Autodesk software in creating custom products tailored to the needs of municipalities throughout North America.

Tolar offers more than 500 shelter types within the company’s four main product lines, each designed and engineered to be long-lasting, attractive and environmentally friendly. This includes complying with a wide range of building code requirements across North America and community design requirements from economical transit shelters to high volume bus rapid transit facilities. Tolar client expectations for purpose- driven design range from hurricane-resistant bus shelters for Florida communities to solar-powered transit displays for agencies in California.

“We recognize the need to design shelters specifically for today’s urban environments, and Autodesk [Product Design Suite](#) definitely helps us do that more efficiently,” said Patrick Merrick, executive vice president of Tolar. “We estimate that we’ve been able to improve our overall efficiency by 20 to 25 percent, thanks in large part to Autodesk software.”

Digital Models Streamline Operations

Working with Autodesk Gold Partner [KETIV Technologies](#), Tolar has significantly expanded its [Digital Prototyping](#) portfolio in recent years and now relies on [Autodesk Inventor](#), [Autodesk Inventor Publisher](#), [Autodesk Showcase](#) and [Autodesk Vault](#) software.

On a typical project, Tolar begins by creating 3D models of the proposed shelter using Inventor software. To further communicate design intent to customers, Tolar can create a near-photorealistic image of the model in Showcase software, and then superimpose it over an actual streetscape from the customer’s town, enabling customers to see exactly what Tolar’s product will look like when installed in the community.

Next, the Inventor manufacturing models are used to fabricate the multiple components that make up the shelter. These models provide clear, concise and comprehensive communications, resulting in fewer errors on the shop floor.

Additionally, Tolar uses Vault software to centrally store and manage its digital data, making it easier for the company to access and reuse drawings of specific parts for multiple projects rather than having to start each time from scratch — significantly reducing project turnaround time. Tolar also uses Inventor

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Publisher software to create installation instructions for customers.

About the Autodesk Inventor of the Month Program

Each month, Autodesk selects an Inventor of the Month from the users of Autodesk Inventor software, which takes manufacturers beyond 3D to Digital Prototyping. Winners are chosen for engineering excellence and groundbreaking innovation. For more information about Autodesk Inventor of the Month, contact us at IOM@autodesk.com.

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Global Manufacturers Armstrong International and Raritan Deploy Aryaka's Cloud-Based WAN Optimization Solution to Speed Time to Market

31 January 2012

Manufacturers leveraging global resources while centralizing their infrastructure are adopting Aryaka's [cloud-based WAN optimization and application acceleration](#) solution to speed application response time and achieve productivity gains. They are able to better connect their worldwide engineering teams and save tens of thousands of dollars annually by leapfrogging costly MPLS links and [WAN optimization](#) appliances.

By deploying Aryaka's secure WAN optimization delivered-as-a-service, global teams are equipped with faster access to applications, enabling them to collaborate more effectively and exchange information in real-time. Enterprises also gain [visibility](#) into their networks so they can sharpen their planning process, add new applications and speed Time-to-Market (TTM) for their products.

Armstrong International

A manufacturer and designer of Intelligent System Solutions for Steam, Air and Hot Water, [Armstrong International](#) was challenged with a narrow window for replicating [SolidWorks™ ePDM](#) data across four global databases. Because of the large size of their CAD repository, the company's IT department had to run replication within a two-hour nightly window; otherwise the replication would impede the Engineering Department's daily workflow.

Armstrong had a partially deployed MPLS network but application performance was still poor. They could not justify further investment specifically between development teams in India and their U.S. offices. The company also ruled out traditional WAN optimization appliances because they were too costly. With Aryaka, the company was able to accelerate traffic 25X and compress data by 95%. The [Aryaka solution](#) also helped to lessen the wait time associated with an on-demand request (called "Get Latest Version") from 21 minutes to less than 4 minutes. This was a significant impact on the throughput of Engineering Change Notices handled by their global Engineering Department.

The solution enabled Armstrong to leverage their existing Internet connection for a fraction of the cost of MPLS -- saving more than \$2,000 per month in hard dollars on just the network alone and tens of thousands more in productivity soft-dollars.

Aryaka enables Armstrong to:

Reduce SolidWorks PDM response times by 20%

Cut CAD file transfer times from 17 minutes to less than 3 minutes- 800% improvement

Slash change requests from 70 minutes per request to 3 minutes- 23X improvement

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Save tens of thousands of dollars annually, compared with MPLS links

Raritan

A leading provider of IT infrastructure management solutions, [Raritan](#) was facing the obstacle of MPLS links that were nearly saturated, preventing the company from layering a desired Product Lifecycle Management (PLM) solution on top of its Enterprise Resource Planning (ERP) suite of applications. [Oracle Data Guard replication](#) between its Taipei manufacturing facilities and New Jersey offices was not an efficient process over the company's mix of MPLS links and IP VPN. The company needed a solution that would reduce Oracle Data Guard traffic and free capacity for other applications.

Raritan chose Aryaka's service solution over Riverbed's Steelhead products and other hardware-based WAN optimization solutions. The company also decided not to purchase MPLS circuits due to high cost and the time required for provisioning. The Aryaka solution immediately reduced Raritan's [Oracle Data Guard traffic](#) by 70% and quadrupled network capacity providing enough bandwidth to add new applications as planned. The company realized savings of tens of thousands of dollars from lower Total Cost of Ownership (TCO).

Aryaka enables Raritan to:

Compress Oracle Data Guard traffic by 70%

Increase bandwidth capacity 4X

Add new Product Lifecycle Management (PLM) applications on top of its ERP system

Quotes

"The Aryaka solution enabled us to do real-time data replication, and our designers didn't have to wait around anymore to get their jobs done. Our engineers can now download large files and also make change requests in less than five minutes. And most importantly, I am no longer at odds with having to face the high costs of buying further fixed-fixed capacity MPLS links."

-Joe Letizia, Global director of Information Technology for Armstrong International

"The Aryaka solution enables me to estimate and determine my capacity for better planning. We saw an immediate increase in the performance of our ERP applications and data replication. What we like best is the visibility of the [MyAryaka portal](#) that shows us much more granular detail than what our MPLS service provider was delivering -- seeing is believing."

-Simon Ku, Manager of Information Technology, North America for Raritan

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North Carolina City Chooses InfoSewer

31 January 2012

[Innovyze](#) announced the City of Hendersonville, North Carolina, has selected InfoSewer for ArcGIS (Esri, Redlands, CA) as its sewer modeling platform. InfoSewer has helped define the standard in the industry for GIS-centric sewer network analysis, planning and design since 2003.

The City of Hendersonville's Water and Sewer Department is responsible for providing water service to more than 62,000 residents and businesses of Hendersonville and Henderson County and sewer service to more than 19,000 residents and businesses. The Department is also responsible for the operation and

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maintenance of over 580 miles of water mains, 57 water pumping stations, 24 water storage tanks (ranging in size from 100,000 gallons to 5 million gallons), over 185 miles of sewer mains and 37 sewer pumping stations. “InfoSewer gives us the blend of powerful, easy-to-use analysis capabilities we need to effectively plan and manage our sewer system,” said Brent Detwiler, City Engineer. “We have a significant investment in Esri ArcGIS technology, and InfoSewer lets us leverage our GIS data for fast and accurate modeling.”

Certified by the National Association of GIS-centric Software, InfoSewer is an ArcGIS-based computer program for planning, designing, analyzing, and expanding sanitary, storm and combined sewer collection systems. It can be effectively used to model both dry-weather and wet-weather flows and determine the most cost-effective and reliable method of wastewater collection. Built atop ArcGIS, InfoSewer enables engineers and GIS professionals to work simultaneously on the same integrated platform, commanding powerful GIS analysis and hydraulic modeling in a single environment using a single dataset.

InfoSewer is used worldwide by municipal engineers and planners to create detailed, accurate models of their sewer infrastructure systems. These models enable them to evaluate the effect of new developments, zoning changes, and other additional loads on system flows; pinpoint current and future problem areas; predict overflows and backups; and determine how best to restore needed capacity lost to infiltration and inflow with the least rehabilitation.

Users also rely on these models to compute hydrogen sulfide generation and corrosion potential; analyze the rate of Biochemical Oxygen Demand (BOD) exertion; track sediment movement and deposition; trace pollutant contribution from source nodes; perform time of concentration calculations; calculate the amount of pollutant transported to the wastewater treatment plant; and assess pollutants’ impacts on receiving waters. Extensive scenario management functionality enables users to analyze existing or future sewage collection systems. The application also provides vital tools for meeting and exceeding environmental regulations and improving community relations via database queries and map displays.

InfoSewer also delivers advanced design functionality and exponential increases in efficiency while simplifying use. Users can reliably design new sewer collection systems that consider standard design criteria such as flow depth-to-pipe diameter ratios, velocity, slope, soil cover depth, and pipe crown drop. Using user-input manhole locations and rules, InfoSewer calculates the optimal pipe and slope, invert elevation of conduits and manholes, soil cover depths at both ends of each pipe section, and cost of excavation and reinstatement to meet target design criteria. Results can be reviewed using profile plots with advanced labeling of 30 node and link variables, color-coded sewer maps of these variables, or 20 comprehensive tabular reports. The profile plots can be automatically updated in the model database for steady state and extended period simulations of new and existing designs, greatly simplifying the model-building process.

Together, these capabilities help wastewater utilities worldwide dramatically raise productivity and efficiency by rapidly developing practical and optimal capital improvement strategies that minimize costs while improving system reliability, integrity and performance. By making engineering professionals more productive and their organizations more competitive, InfoSewer delivers benefits utilities can pass on to their customers through better designs and higher quality standards, achieved in a shorter turnaround time.

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Product News

Actify Announces Centro™ 5.0 and SpinFire 10.2

2 February 2012

Actify Inc. announced an update to its next generation publishing platform, Centro™ 5.0. Centro enables manufacturing organizations and their supply chains to access, interact with and communicate part data through SpinFire across their wide area networks. With this release is the availability of Centro Catalog, which provides an easy to use web interface to access all design data published by Centro. Actify is also announcing the availability of SpinFire 10.2 which contains the 3D PDF Export plug-in.

"Catalog is an exciting addition to Centro," says Chris Jones, Actify CEO and President. "Because Centro can be integrated with PLM/PDM or data storage systems with the Catalog, it provides users throughout the extended enterprise a very light way to access product design data," continues Jones. "I'm also excited about the release of 3D PDF export with SpinFire. Many of our customers have requested this ability and we are happy to be able to provide them with this plug-in which we plan to expand on and include in Centro down the road," concludes Jones.

Centro is available to existing SpinFire Publisher customers as part of their current maintenance agreements as an upgrade. New customers will be able to license Centro under subscription agreements. Details are available by contacting sales@actify.com.

To see our 3D PDF Export Plug-in in action, watch our YouTube video at:

<http://www.youtube.com/watch?v=xkP4-amndao>

A free trial version of SpinFire 10.2 including the 3D PDF Export Plug-in is now available HERE:

<http://www.actify.com/downloads/spinfire-professional-trial>.

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Altair Adds Thermal Simulation Technology with New HWPA Partner ThermoAnalytics

30 January 2012

Altair announced the official addition of RadTherm to the array of applications available through the HyperWorks Partner Alliance (HWPA). RadTherm heat-transfer software is a professional thermal simulation tool for comprehensive CAE analysis of both steady-state and transient-heat transfer conditions. RadTherm is equipped with a complete temperature-distribution and heat-rates solver for radiation, conduction and convection, allowing users to evaluate engineering design tradeoffs in the early stages of development and then optimize and validate the final product designs.

Altair HyperWorks customers can access RadTherm through the HWPA, a suite of third-party applications from HyperWorks partners that can be employed with the same units used to invoke HyperWorks software. The flexibility of these HyperWorks Units empowers users to deploy the largest and most complete suite of CAE applications available at no incremental cost and with no long-term commitment.

"In the automotive, aerospace, architectural and military communities, the RadTherm software package has become a popular thermal-management CAE tool for solving heat-transfer problems and producing comprehensive thermal-management solutions," said Keith Johnson, CEO of [ThermoAnalytics, Inc.](#) "RadTherm's Battery Thermal Electric module can perform coupled thermal-electrical analysis of a

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battery cell or pack for modeling realistic, time-varying loads and charges to optimize performance and battery life of electric vehicles. Each industry presents unique thermal challenges that can drastically influence the performance of a product, and ThermoAnalytics software was built to meet these challenges with both speed and accuracy."

RadTherm is a thermal modeling program that predicts the full heat-transfer solution for a component or full system. From the temperature or heat-rate results, users can modify the design and test the system's response to this change. RadTherm also includes the advanced modules 3D Solid Conduction, Battery Thermal Electric, and Human Thermal Comfort.

Automated integration with CFD allows the analyst to employ three-dimensional convection from all major CFD applications, while leveraging RadTherm's power for system-level transient analysis.

RadTherm's speed and flexibility makes it an ideal complement to CFD, both as a precursor in the early design stages and as a full transient analysis for a time-varying simulation scenario.

"With RadTherm as well as CFD products like AcuSolve, SC/Tetra, and STREAM all available through the HyperWorks platform, Altair customers are equipped with an all-inclusive toolset for thermal management," said Antoine Poussier, vice president of Global Partner Programs at Altair. "It is this combination of broad simulation capabilities and on-demand accessibility that illustrates Altair's distinct value proposition and sets us apart as a leader in the CAE marketplace."

The HWPA strives to provide the most comprehensive offering of software applications across multiple relevant domains related to computer-aided engineering. The addition of RadTherm further enhances the flexibility of the HyperWorks Units and the overall value of Altair HyperWorks.

For more information about the HyperWorks Partner Alliance, visit www.hyperworksalliance.com.

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Altair Launches New Applications to Run, Monitor and Manage Workloads and Results Efficiently

1 February 2012

Altair Engineering announced two advancements in the field of high-performance computing (HPC), with the release of its Compute Manager and PBS Desktop applications.

[Compute Manager](#) is the first foundational block in Altair's plans to build a modern, Web-based enterprise simulation platform, providing an affordable solution to increase HPC productivity. Offered as part of Altair's [HyperWorks Enterprise](#)™ service-oriented architecture (SOA) platform, Compute Manager is application-aware and enables users to submit, manage and review workloads on distributed resources in a natural manner that streamlines complex analysis with a few mouse clicks.

Users are able to submit jobs through a Web-based interface, manage workloads, and immediately review and download the results. Users also can plot curves and create animations without needing to first download the results. Compute Manager is application-aware, which means that jobs can be set up on distributed resources with easily configurable applications definitions, therefore supporting virtually unlimited solver formats. Those jobs are then monitored both graphically and analytically, making results visualization with secured access possible from any Internet-enabled device.

In the coming months, Compute Manager will be integrated with three new sister applications within [HyperWorks](#) Enterprise: Simulation Manager, Performance Manager, and Process Manager. While all of the elements in the HyperWorks Enterprise edition will work in an integrated manner, they can be used as independent modules as well.

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“By placing users first, Compute Manager offers an extremely intuitive and friendly way to organize, automate and manage the contents of a high-performance computing job,” said Sam Mahalingam, Altair’s senior vice president of enterprise products. “Data and process management then become an enjoyable and highly efficient experience.”

With its modern service-oriented architecture, Compute Manager provides users and system managers with a complete set of capabilities to configure and maintain settings within their HPC environment. Some of its high-level benefits include:

An easy-to-use Web-based interface for submitting and monitoring jobs in [PBS Professional®](#) clusters

The ability to browse and modify remote files with minimal effort required to write, modify and test complex application scripts

Automation of job-submission tasks

A consistent job-submission and monitoring interface

Automated staging of input and output files

Diagnosis of remote jobs without downloading huge results files

Altair will demonstrate how Compute Manager can maximize HPC capabilities during live webinars held throughout the day on Feb. 28. To access more information and register for a webinar, visit <http://www.altair.com/Cmwebinar>.

In addition to launching Compute Manager, Altair recently released PBS Professional 11.2. This latest version of PBS Professional scales easily to support hundreds of thousands of processors – from clusters to the largest systems – and ensures administrators get the maximum value from their computing infrastructure. It also offers an enhanced graphical interface for submitting and managing PBS Professional jobs on the front end.

The new PBS Desktop app is a job submission tool for supporting PBS Professional jobs from the desktop and is free with the purchase of PBS Professional. PBS Desktop allows HPC users to submit jobs for processing by simply dragging and dropping workloads from their local desktop workstations.

PBS Desktop runs on both Windows and Linux operating systems and offers users the option to eliminate the practice of submitting jobs through command lines and manually transferring files into the system for processing and out again for viewing once the job is complete. It enables users to inspect jobs while they are running, ensuring that jobs in process, such as creation of computer models, are progressing in the manner anticipated. PBS Desktop then automatically returns a copy of all the files to the user’s desktop as soon as the job is completed.

“The release of Compute Manager and PBS Desktop marks the beginning of the next level of efficiency and ease for engineers engaged in high-performance computing for everything from crash analysis to animation and weather prediction,” said Mahalingam. “Simulations originate on many types of devices these days, and Altair’s high-performance computing tools focus on helping engineers use the resources at their fingertips in a very user-centric way. We are making the process of managing simulation projects more intuitive, more natural, and more efficient.”

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Altium Collaborates with Altera to Release new Online Component Resources and Software Support

31 January 2012

[Altium](#) announces new devices and updates to the board-level components from Altera's Stratix® IV FPGA and MAX® V CPLD device families available in its online content delivery ecosystem, [AltiumLive](#). The release coincides with the inclusion of Altera Stratix IV FPGA and MAX V CPLD device support in the latest update for [Altium Designer 10](#), Altium's unified electronics design system.

Developed in collaboration with Altera, the updated collection of FPGA and CPLD components add to the extensive range of Altera design content already available through AltiumLive. The new components are available through the AltiumLive portal from within Altium Designer, providing designers with access to current, high quality board-level components during the design process.

[Altium Designer](#) includes comprehensive software support for the newly updated Altera devices, allowing their full integration into the programmable device design part of the electronics design flow. This provides the unique design conditions for working with a specific programmable device, such as pin configurations and I/O type, live communication protocols, synthesis and PCB pin swapping data, making the Altera devices ready for easy, rapid deployment in Altium Designer projects.

The collaborative relationship between Altera and Altium is another significant step in the expansion of Altium's partnership program, which aims to forge collaborative relationships with a broad group of electronic component manufacturers and distributors.

The strategic partnerships ultimately allow Altium to deliver quality online content and services directly to Altium Designer users. Along with device manufacturers such as Altera, Altium has also established relationships with parts suppliers and vendors such as Farnell, Digi-Key and Newark. This allows board-level components to include real-time supply-chain information, such as vendor choice, pricing and availability.

"Collaboration between Altium and parts manufacturers helps us produce high-integrity design IP for our customers," said Rowland Washington, Content Development Manager for Altium. "We are pleased to be working with Altera to develop an ever increasing range of third party libraries, templates, reference designs and other ready-to-use design content."

This latest update to the Altera board-level component content available through AltiumLive includes a full update of the Stratix IV high-performance FPGA family and the addition of the MAX V low power CPLD range – Altium Designer 10 now provides design software support for these devices. The update adds to the already substantial collection of Altera programmable devices available from AltiumLive's board-level component vault, which includes Altera's broad portfolio of high-end, low-cost and mid-range FPGA families and CPLDs, including Stratix FPGAs, Cyclone® FPGAs, Arria® FPGAs, and MAX CPLDs.

"Working with Altium to deliver online design content will bring high quality Altera component models directly to the desktop of designers using Altium Designer," said Patrick Dorsey, senior director of component product marketing at Altera Corporation. "This makes it faster and easier for customers to use Altera devices in their designs using up-to-date, quality design resources."

The new and existing Altera components are available online through AltiumLive's board-level component vault, one of Altium's managed component repositories of ready-to-use design elements accessible through the AltiumLive portal. Designers can directly access the components and linked supplier information from within Altium Designer when using a subscription-enabled license, or by

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browsing to the [AltiumLive Content Store](#) via the web. Designers installing the latest update for Altium Designer 10 will have access to complete design-time software support for the new Altera devices.

More information on the board-level components and how they are accessed in Altium Designer is available in [AltiumLive](#) and in the related [blogs](#).

Altera components are available from the company's distributors, sales representatives and sales offices worldwide. For more information, go to www.altera.com.



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Altium Releases New Range of Board-Level Components in Collaboration with STMicroelectronics

25 January 2012

[Altium](#) announces the addition of a comprehensive new range of board-level components from STMicroelectronics' Power Management catalogue to its online content delivery ecosystem, [AltiumLive](#).

The announcement heralds further expansion of Altium's partnership program, which aims to forge collaborative relationships with a broad group of electronic component manufacturers and distributors.

The strategic partnerships ultimately allow Altium to deliver quality online content and services directly to Altium Designer users. Along with device manufacturers such as STMicroelectronics, Altium has also established relationships with parts suppliers and vendors such as Newark, Digi-Key and Mouser. This allows board-level components to include real-time supply-chain information, such as vendor choice, pricing and availability.

"Collaboration between Altium and parts manufacturers helps us produce high-integrity design IP for our customers," said Rowland Washington, Content Development Manager for Altium. "We are pleased to be working with companies such as STMicroelectronics to develop an ever increasing range of third party libraries, templates, reference designs and other ready-to-use design content."

This latest update to the board-level component content available through AltiumLive has been developed in close collaboration with STMicroelectronics, and includes a comprehensive array of STMicroelectronics' energy-efficient Power Management devices. The new range adds to the STMicroelectronics components [already available](#) in [AltiumLive](#)'s board-level component vault, which include the company's STM8 and STM32 family of microcontrollers, sensors and MEMS-based devices.

"The cooperative relationship between STMicroelectronics and Altium helps both companies deliver high-quality component data into the hand of designers during the critical design development phase," said Bill Raasch, STMicroelectronics VP Product Marketing Smart Power & High Performance Analog. "Providing our latest component content via online services linked to design software is a logical path forward."

The new and existing STMicroelectronics components are available online through AltiumLive's board-level component vault, one of Altium's managed component repositories of ready-to-use design elements accessible through the [AltiumLive](#) portal. Users can directly access the components and linked supplier information from within [Altium Designer](#), or by browsing to the Unified Components area of the [AltiumLive Content Store](#) via the web.

More information on the board-level components and how they are accessed in Altium Designer is available in [AltiumLive](#) and in the related [blogs](#).

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STMicroelectronics components are available from the company's distributors, sales representatives and sales offices worldwide. For more information, go to www.st.com.

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CES EduPack 2012 Enhances Support for Materials Education across Engineering, Science, and Design

25 January 2012

Granta Design has announced the release of CES EduPack™ 2012, the latest version of this teaching resource for materials in engineering, science, processing, and design. This release has been shaped by feedback from those using CES EduPack in their teaching. New features benefit courses on general mechanical engineering and materials science, through to more specialist areas such as sustainability, aerospace, or polymer sciences, as well as providing support to educators seeking to incorporate eco-awareness across the curriculum.

Now used at over 800 universities and colleges world-wide, CES EduPack combines comprehensive materials information, specialist software to access and use that information, and extensive supplementary teaching materials. It is used for lectures, project work, student exercises, and course handouts. A growing number of these resources are now being shared within the materials education community through the Teaching Resource Website, some being made more widely available as 'open access resources'.

Ongoing developments come from Granta's innovation program, guided by Granta co-founder, Professor Mike Ashby of Cambridge University, and feedback gathered from the CES EduPack community of over 5,000 materials educators.

This year's enhancements to the core software and resources provide particular support for:

- **Teaching sustainability and eco-aware design**—New graphical comparison capabilities in the widely-used Eco Audit Tool make it easy to dynamically explore environmental impact in 'what if' design scenarios.
 - **Introductory level courses**—CES EduPack 2012 is easier to use with first year students, with new software features complementing new and updated data. A new 'date first used' attribute helps students to explore the history of materials and their use in engineering and design.
 - **Advanced Teaching**—Enhanced data is now available in areas including Polymers, Aerospace, and Sustainability.
 - **Teaching courses related to energy/power generation**—New information on energy storage systems helps students to quantitatively explore the economic, environmental, and resource-based viability of different energy storage technologies.
- During 2012, there will be more opportunities for the materials education community to get involved in shaping future editions of CES EduPack. Developmental versions of a range of projects are currently available for evaluation, including a database of New, Emerging, and Unusual Materials, and new models for the Hybrid Synthesizer (an easy-to-use predictive tool that helps students investigate the effects of using hybrid materials and structures).

Upcoming events

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Granta regularly runs webinars for both new and existing users of CES EduPack, as well as offering short courses. Some upcoming events include:

- **Feb 16:** Web seminar: “[Introduction to CES EduPack](#)”
- **Feb 29:** Web seminar: “[What's New in CES EduPack 2012](#)”
- **Mar 27-28:** [CES EduPack Short Courses](#) with Prof. Mike Ashby, preceding the 3rd North American Material Education Symposia, Cal Poly, San Luis Obispo, CA
- **Apr 10-11:** [CES EduPack Short Courses](#) with Prof. Mike Ashby, preceding the 4th International Materials Education Symposia, Cambridge University, UK,

Full details of these, and other upcoming events, can be found at www.grantadesign.com/education/

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DP Technology Corp. Now Shipping ESPRIT 2012 CAM Software

25 January 2012

DP Technology Corp. is now shipping ESPRIT® 2012, the latest version of its flagship software designed to program today’s multi-spindle, multi-turret mill-turn and Swiss-turn machine tools.

Performance-enhancing upgrades built into this new version of ESPRIT provide existing ESPRIT customers with additional tools to increase productivity. Included in ESPRIT 2012 are a significant number of innovative programming technologies for all machining disciplines — including 2-5 axis milling, 2-22 axis turning, 2-5 axis wire EDM, multi-tasking mill-turn, and high-speed 3- and 5-axis machining.

ESPRIT’s high-performance capabilities include machining any part geometry — solid, surface, or wireframe — universal post processing to format G-code for virtually any machine tool, and solid simulation and verification with dry runs rendered in dynamic solids for optimal part quality and consistency.

ESPRIT 2012 is available now and runs on the Microsoft® Windows® 7™ and Microsoft® Vista™ operating systems.

Advancements to 3-and-5-axis ESPRIT FreeForm Cycles

Numerous enhancements and additions have been made to 3-and-5-axis FreeForm cycles in ESPRIT 2012.

Among them is a new 5-axis trochoidal channel-roughing cycle that utilizes a circular toolpath to constantly adapt to the shape of a cavity bounded by two walls, which allows the machining of deep cavities with thin walls.

Also new to ESPRIT 2012 is a 5-axis blade cycle that creates finishing toolpath on a single blade. This new cycle is designed specifically for the challenges of optimizing the toolpath on models with convex faces on one side and concave faces on the other.

Among all-new 5-axis impeller-cycle upgrades unique to ESPRIT 2012 are a wider array of settings that include a “single pass” roughing strategy that creates multiple cuts down the center between the blades before roughing starts.

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A new “roll around edges” setting enables users to roll the tool around blade edges to guarantee an overlap of the toolpath.

A new “spiral” option creates spiral toolpath that expands outward from the mid-line between the blades for smoother toolpath that keeps the tool on the part. Likewise, multi-blade optimization with new settings for “number of blades” and “cut all blades” offers options for machining priorities to cut blades by either region or by level to prevent deflection and vibration when the blades are thin.

All 3-axis FreeForm cycles have been improved with enhanced distribution of points in the toolpath and autotilt options to transform 3-axis toolpath into 5-axis. Autotilt is ideal when short rigid cutting tools are used in deep cavities.

Improvements have also been made to ESPRIT’s existing knitted surface option, which creates a single surface from any number of faces on a solid model. New to ESPRIT 2012 is the ability to cover openings in more than one face with knitted surfaces.

Expanded Machining Cycles in all Disciplines

ESPRIT 2012 offers upgrades in all machining disciplines, with enhancements to turning, milling, mill-turn and wire EDM cycles.

For turning, the “park” cycle has been redesigned in ESPRIT 2012 to allow a machine tool’s head or turret to be parked. Increased versatility is achieved with the enhancement of allowing parking on each axis, which can be individually controlled using one of the four modes available — not parking the axis; moving the axis to home, as it would be set for a tool change; the tool moves to the input position in the operation coordinate system, or the axis moves to the input position in the machine-coordinate system.

For milling, ESPRIT 2012 offers an enhanced method of treating features used for contouring operations. Rather than allowing the tool to “roll” over the edge when at or near the starting depth, the feature edge can be extended to maintain the desired shape.

For wire EDM, new feature extension settings make it possible to extend the extremities of the feature so the wire path can start or end outside of the material when contouring or with EDM turning operations. This allows the wire path to be extended without actually modifying the feature. A new “dwell time” setting that inserts a dwell at the end of the rough cut to enlarge the exit point, ensuring that the wire for the skim cut can be re-threaded, has been added to all EDM contouring cycles.

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ESI Consolidates Its Composites Manufacturing Simulation Offer with the Latest Releases of PAM-FORM and PAM-RTM

2 February 2012

ESI Group announces the release of [PAM-RTM](#) and [PAM-FORM](#) 2012, two numerical simulation applications dedicated to the manufacture of composite parts. This composites manufacturing simulation suite is a unique industrial solution to define and optimize manufacturing processes of dry textiles and pre-creeps, with the objective of achieving better part quality and lower production time cycle and cost.

Developed through partnerships in several fields including automotive, aerospace and defense, PAM-FORM is a virtual manufacturing solution dedicated to non-metallic forming processes. PAM-FORM enables realistic and predictive forming and pre-forming simulation of laminated composites, allowing engineers to select the most appropriate material, the right tooling design, and the best process

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parameters. "PAM-FORM helped us achieve our project goals: lower weight and cost of production while preserving the mechanical properties of the part. Additionally, it provided us with more information on optimizing our production process which can be reapplied to similar projects," affirms Josef Krena, Development Manager at LETOV LETECKÁ VÝROBA Ltd., part of Latécoère Group.

PAM-FORM allows engineers to predict manufacturing defects, including wrinkling, excessive shearing, bridging or inappropriate thickness distribution; and to correct them by modifying the process parameters or the tooling. Josef Krena confirms: "Recently, we designed a forming tool for which we used PAM-FORM to optimize its tipping angle. It helped us reduce the cost of that tool without affecting the quality of the part."

A best-in class tool, PAM-FORM addresses a large range of composites manufacturing processes: stamping, diaphragm forming, hand lay-up and rubber pad forming.

The latest enhancements mainly focus on dry textile preforming.

PAM-RTM is a simulation software application for resin injection or infusion of composite preforms with or without inserts and core materials. It provides an accurate prediction of the manufacturing process of thick, complex or large composite components commonly encountered in wind energy, aeronautics and automotive industries.

PAM-RTM covers a wide range of Liquid Composites Molding manufacturing processes: Resin Transfer Molding (RTM), Vacuum Assisted RTM (VARTM), Vacuum Assisted Resin Infusion (VARI), Compression-RTM and Articulated-CRTM (CRTM and A-CRTM). Simulating these processes allows engineers to determine the optimal injection strategy, minimize the injection time, control the curing cycle and manage the resulting porosity of the finished part.

Professor Jeferson Avila Souza, from the Federal University of Rio Grande, Brazil, comments, "We have chosen PAM-RTM due to its ability to run 3D models in a realistic way and simulate resin injection in parts such as small boat hulls, propeller blades and automotive parts. We have also considered that it can be handled by group members that do not directly work with numerical techniques. The simulation process is steady, leading to quick and reliable results."

New in version 2012, a high performance solver manages thermal analysis of preheating, non-isothermal filling and curing in an even more accurate manner. Additionally, thanks to the active support of the University of Nottingham in the UK, a permeability database addressing a large number and variety of textiles is now available for PAM-RTM customers, and will be enriched over time.

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Free TurboViewer v1 Offers First 3D DWG Viewing on Android

31 January 2012

IMSI®/Design announced the debut of its popular free TurboViewer™ v1 app on the Android™ platform.

"It's no secret that Android's momentum has been astounding," stated Royal Farros, chairman and CEO of IMSI/Design. "Just as we did in the iPad and iPhone world, we're the first to bring native 3D DWG™ viewing to the exploding Android platform."

Named one of the Top 5 apps in the iOS world by Macworld/iWorld, free TurboViewer for Android includes:

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- Fast native 2D and 3D .DWG (Autodesk® AutoCAD® and AutoCAD LT®) and .DXF viewing
- Unique time-savers: Able to navigate full-screen preview during file load; Cancel errant file load
- Smooth Multi-Touch navigation while panning, zooming, and orbiting
- Restore saved AutoCAD views to quickly display the best vision of your design
- Supports AutoCAD linetypes to maintain visual fidelity as intended
- Autosense 2D or 3D drawings to automatically set appropriate gesture navigation of a drawing or model
- Doesn't require Internet connection for remote field work

"We built TurboViewer from the ground up for mobile devices... but what we've found is TurboViewer may be the fastest 2D and 3D drawing viewer on any platform," added Farros.

Availability and Pricing

TurboViewer v1 for Android is free and available now from the Android Marketplace at:

<https://market.android.com/details?id=com.imsi.TurboViewer.Free>

For more information, please visit <http://www.IMSIdesign.com/TurboViewer>.



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Geometric Introduces Glovius

1 February 2012

Geometric Limited announced the launch of its new extensible and customizable 3D visualization tool, [Glovius®](#) for consumption of product design data anywhere, anytime. Glovius runs on Windows® and as an app for iPad®/iPhone® and Android™ systems.

"Glovius is a strategic initiative for Geometric. It will enable us to build solutions across various applications for our enterprise customers. Today, high fidelity 3D product design data is consumed using expensive, difficult to use, proprietary applications, with limited customization and interoperability abilities. Glovius helps organizations expand the reach of 3D data beyond traditional CAD and PLM users. It is an easy to use, on-the-go and customizable tool to enable these new users to view high fidelity 3D data in an affordable manner", says Manu Parpia, MD & CEO, Geometric.

Glovius for Windows is a free viewer with an add-on based architecture, and operates on the industry standard JT file format. Its add-ons allow users to import CAD files from multiple platforms like CATIA® V5, NX™, Pro/ENGINEER®, Creo™, SolidWorks®, Autodesk® Inventor®, STEP and IGES. Many more out of the box add-ons for implementing industry standard use cases are in the pipeline, including visualization with markup and collaboration, drawing-less manufacturing, etc. Glovius is also available as a toolkit along with rich Application Programming Interfaces (APIs) for building custom solutions.

Salient features of Glovius for Windows:

- Interactively view 3D models using Zoom/Pan/Rotate
- Hide/Show Components and PMI data

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- Perform simple sections and see section profile
- Measure point to point distance
- Export to a mobile optimized format, and transfer it to your smart phones and tablets

To download the free JT viewer and add-ons for your desktop, please visit
<http://www.glovi.us.com/downloads>.

Glovi.us apps for iOS and Android will help users access 3D data anywhere, anytime. Users can consume and showcase 3D information on their smart phones and tablets. They can interact with 3D models using the intuitive touch interface, view PMI & Product structure, hide/show components, take sections and email snapshots from within the application. To access 3D models on the go, users can convert them to a mobile optimized format using Geometric's [Babel3D.com](#), an online translation and storage service. All major CAD formats are supported.

Glovi.us mobile apps are available for download in the [Apple App Store](#) and [Android Market](#). For more information, please contact support@glovi.us.com.

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Granta to Provide NIMS Creep and Fatigue Data for Energy and Processing Plant Applications

30 January 2012

Granta Design announced an agreement with Japan's National Institute for Materials Science (NIMS) to provide searchable access to metals property data from NIMS. This data-set results from years of continuous testing of metals including steels (e.g., carbon steels, low alloy steels, high chromium steels, and austenitic stainless steels) as well as a wide range of alloys (e.g., Iron-based, Nickel-based, and Cobalt-based alloys). It includes the raw numerical data from detailed creep measurements and fatigue data, which is crucial for materials engineers considering safety and long-term reliability in the energy fields.

NIMS is world-renowned for its expertise on the long-term behavior of metallic materials. This behavior is critical for power stations and processing plants, and the data generated by NIMS is important for design, maintenance, and overhaul.

The results of about fifty years of research data (the original research body, the National Research Institute for Metals, was established in 1956) have, until now, only been generally available as published graphs and figures. For the first time, users will be able to access and use the underlying raw numerical data. The data will be available through the materials information management system, GRANTA MI™, which gives web browser-based access and allows users to search, plot, and export data for use in Computer Aided Engineering (CAE).

NIMS has already made an independent study of distribution methods that allow more active use of this valuable data. Under this agreement, NIMS will supply creep and fatigue characteristics data to Granta, which has a proven record in the development and sales of materials information systems. Wider access to this data will enable the engineering community to make an even greater contribution to the creation of a safe, secure, and sustainable society at the global level.

Granta will be making the NIMS data available as a GRANTA MI data module later in 2012. Installing GRANTA MI on a corporate network can also provide fast, integrated, enterprise-wide access to in-

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house and other reference data, complementing the NIMS dataset.

Dr. Toshio Ogata, Station Director of the Materials Information Station at NIMS, commented that he “expects this agreement to provide the opportunity for use of data that NIMS has accumulated in a wide range of fields, from energy to transportation equipment and structures.”

“This is great news for anyone who needs materials property data in energy and processing plant applications,” commented Granta’s Chief Operating Officer, Dr Patrick Coulter. “We are delighted to be working with NIMS to make this leading source of materials information more widely available, and to add this valuable creep and fatigue data to our extensive portfolio of property data on metals, alloys, and other materials.”

About Granta Design

Granta Design Limited are the materials information technology experts. Granta develops the software for materials information management in engineering enterprises, and the leading teaching resource for materials engineering education. Granta serves sectors as diverse as aerospace, defense, energy, medical devices, automotive, manufacture of consumer and industrial equipment, materials production, and publishing. Customers realize multi-million dollar benefits in reduced cost, enhanced product performance, improved quality, and faster design turnaround. Granta was founded in 1994 as a spinout from the University of Cambridge and the work of Professors Mike Ashby and David Cebon.

About NIMS

NIMS is Japan's sole Independent Administrative Institution (IAI) specializing in materials science. NIMS was created through the merger of two National Research Institutes, NRIM (National Research Institute of Metals) and NIRIM (National Institute for Research in Inorganic Materials), in April 2001. NIMS is charged with the task of comprehensive management of basic research and development of materials science and to advance the level of expertise in the field. To do this, NIMS also reaches out to other research centers in Japan and around the world. NIMS has its headquarter in Tsukuba, Ibaraki Prefecture, and has research centers some of which focus on special research and international activities. NIMS has 1,489 staff in total (as of Oct.1, 2011. Fixed-term employees included).

Links To Further Information:

NIMS: <http://www.nims.go.jp/eng/>

GRANTA MI: <http://www.grantadesign.com/products/mi/>

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IFS and NEC Launch Solution for the Food and Beverage Industry in Thailand

30 January 2012

IFS and NEC Corporation announce the launch of an extension to IFS Applications, the enterprise applications suite, for the Thai food and beverage industry. The extension is the result of a joint project involving both companies and can be implemented as a NEC cloud computing service or as a standard server solution.

The extension has been developed to meet the demands of companies within the food and beverage industry that plan and produce main products, co-products and by-products from one raw material in a single process, such as dairies and meat processing plants. The solution also includes rich functionality

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for trade management as an essential part of the distribution process.

The solution is a joint offer from IFS and NEC and will initially be presented to the Thai market. The two companies have many customers worldwide within the food and beverage industry. By combining the two companies' extensive industry experiences, IFS and NEC can offer companies a true best-practice industry solution. The solution is available as an extension of IFS Applications 7.5 SP5 and can be deployed as a standard server solution or as a NEC cloud computing service. The solution will later be launched in other Asian markets.

Process manufacturing is one of IFS's targeted markets. IFS provides industry-specific functionality for enterprises in chemicals, food & beverage, paint & ink, and pharmaceuticals. IFS Applications™ supports all critical business processes, including material compliance, batch balancing, recipe management, quality management and demand planning. The application suite also includes solutions for enterprise asset management, product lifecycle management, customer relationship management, finance and human resource management.

IFS process manufacturing customers include Jotun, Flint Group, Dyrup, Willamette Valley Company, Akzo Nobel, Becker Acroma, Farrow & Ball, Teknos and Becker Industrial Coatings, Pepsi, PFX Pet Supply, Chingford Fruit, Imerys, SSAB, Hutmen, Nucor Corp, Holmen Paper and SCA Graphics.



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ITI TranscenData Now Offers Feature Based CAD Translation for Autodesk Inventor

26 January 2012

ITI TranscenData announced the addition of a native Autodesk® Inventor® interface in the Proficiency Collaboration Gateway solution. Collaboration Gateway enables the transfer of complete design intelligence between major CAD systems which includes geometry, features, sketches, manufacturing info, metadata, assembly information and drawings in the conversion process.

The new interface offers support for parametric assemblies and parts as well as associative drawings. It is fully integrated into the Collaboration Gateway product suite and provides complete automatic solution for legacy data migration and OEM delivery to the users of Autodesk Inventor.

The new interface also incorporates the use of CADIQ, ITI TranscenData's CAD model quality and validation solution. CADIQ offers visualization and comparison for both assemblies and parts, as well as analysis for assemblies, and manufacturing diagnostics for parts.

"The latest developments in Proficiency offer manufacturers a complete and straight forward solution for legacy data reuse from the Inventor CAD systems," said Alex Tsechansky, General Manager of ITI Proficiency, Ltd. "The new interface has been developed in close cooperation with leading customers and proven on large sets of data to effectively reduce the costs and duration of massive migration projects while adhering to the highest quality standards," added Tsechansky.

Proficiency Collaboration Gateway also supports automatic feature based data exchange for I-deas™, NX™, Pro/Engineer®, CATIA® V4 and CATIA® V5.

To learn more, please visit: <http://www.proficiency.com>, email: info@transcendata.com, or call 1-888-783-9199 x3858



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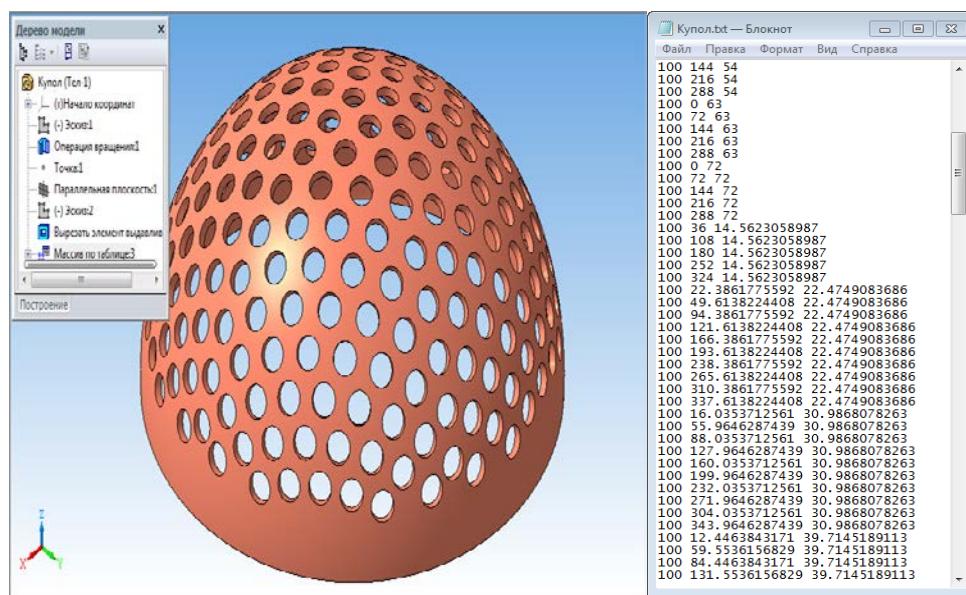
KOMPAS-3D V13 German Version is Released

ASCON Group announced the release of KOMPAS-3D V13 German Version. This professional mechanical computer-aided design system is distinguished by its powerful functions in the 3D and 2D design processes, a user-friendly interface, easy to learn features, and flexible collaboration with third-party software – all enhanced by reasonable pricing and now fully available for German speaking users.

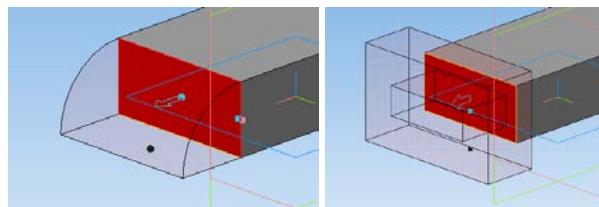
This new release features more than 100 enhancements that permit customers to increase their productivity through better usability, simplified product development, and quicker design-to-product processes – with fewer errors along the way.

Solid Modeling and Drawing Enhancements

KOMPAS-3D V13 allows you to specify arrays from data in a table. See the figure below for an example of this new technique.



The construction of curves is refined with options for creating cylindrical spirals, filleting curves, and editing the shapes of spline by their vertices. Conical shells can be unfolded. Faces can be extruded and revolved without needing sketches. (See figure below.)



Advanced Surface Modeling

New types of surfaces have been added to KOMPAS-3D, which can be analyzed:

- Curve to a law
- Spline on a surface
- Outline

- Isoparametrical curve
- Group of isoparametric curves on a surface
- Curve by two projections
- Projective curve
- Contour

The smoothness of surfaces can now be verified visually through zebra striping.

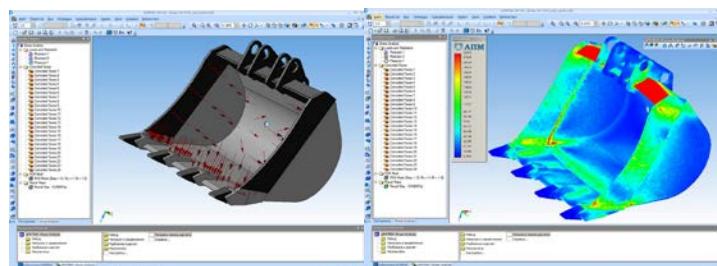
BOM and Properties Reporting

The new auto balloon function inserts balloon leaders automatically in 2D drawings, details, and 3D assemblies.

Properties can now be assigned to drawings, views, details, and macro elements. The properties of object properties in models and drawings can be presented in reports. These reports are associative, and can include properties of the model depicted by the drawing and its objects. Reports on graphic documents can be inserted in the document.

New Add-Ins

The new **APM FEM** (finite element methods) add-in is a fully integrated stress analysis solution that operates in a single window. (See figure below.)



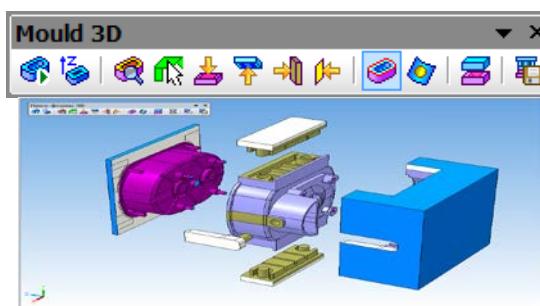
The new **Mould and Die Design System** is a powerful tool that increases the productivity of designers making moulds for the plastics industry. It increases design quality and therefore improves the competitiveness of companies producing these products. (See figure below.)

The add-in implements the following functions:

Analyzes the parts of 3D models

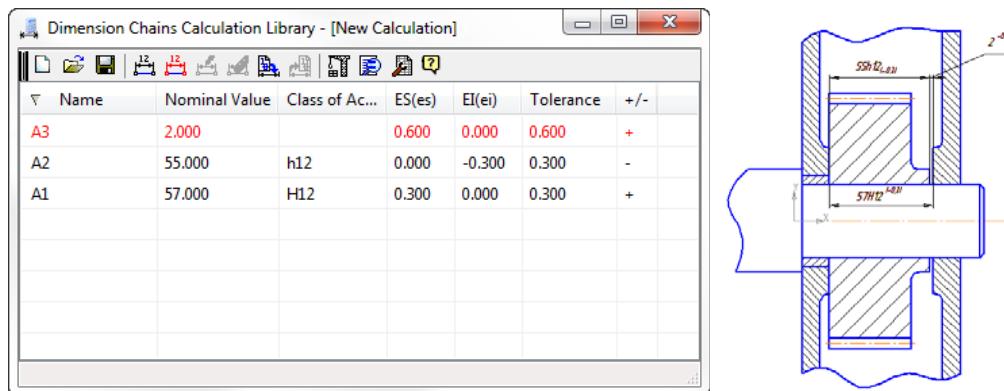
Designs the shapes for the parts of die moulds

Models of the moulding channeling system

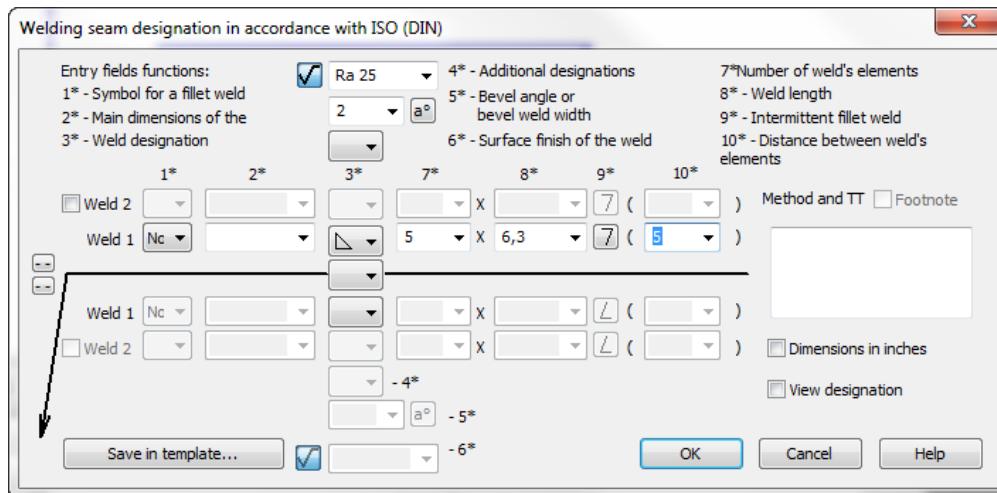


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The new **Dimensional Chain Calculation** add-in places dimension chains in drawings and details. (See figure below.)



The new **Welding Symbols library** creates welding seam designations in drawings according to the standards specified by ISO 2553:1992 and DIN 22553-1997. (See figure below.)



The new Pack and Go add-in packages project documents to a single file or folder. The package file includes documents from KOMPAS documents and related programs. The package can be used to easily transfer project documents to other computers, be used for backups, to transmit files to clients, and so on. Files are saved so that they load correctly on the destination computer with KOMPAS-3D or KOMPAS-3D Viewer installed.

New Artisan Rendering

The add-on enables creation of high quality images of virtual products or buildings, whilst they are still being designed in the MCAD solution. Artisan is easily integrated directly within KOMPAS-3D system and its simple workflow process enables a faster design to final image creation.



Pricing and Availability

KOMPAS-3D V13 is available now through ASCON's worldwide network of value added resellers. Please contact them for additional details and the pricing. To locate one in your region, please visit: ascon.net/main/partners.

To try out these new features, download KOMPAS-3D V13 for a 30-day free trial from ascon.net/download/kompas/

Note all graphics in this news release are copyrighted by ASCON.



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Lattice Technology and Tetra 4D Announce Partnership

30 January 2012

Lattice Technology® Inc. and Tetra 4D, the exclusive provider of 3D PDF technology for Adobe® Acrobat® announced a partnership between the two companies to integrate Lattice Technology's digital manufacturing, DMU and technical illustration authoring solutions with Tetra 4D's 3D PDF publishing solutions.

The companies will work together to deliver a seamless integration enabling the use of Lattice Technology's XVL Studio product family for transforming 3D design data into interactive 3D documents for uses ranging from process design, assembly instructions, 3D parts lists, technical illustrations and electronic training manuals and Tetra 4D's 3D PDF ConverterT software to publish to the ubiquitous 3D PDF format.

"Combining the power of the ultra lightweight XVL format with the ability to easily create 3D PDF documents will provide our customers with a superior experience. The convenience of PDF distribution and the power to edit in Lattice Technology's XVL based applications will allow wider distribution and

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use of 3D technical documents" said Bill Barnes, General Manager, Lattice Technology, Inc. "Whether documents are being created for internal use or for secure distribution across a supply chain, we will have the right solution."

"Lattice Technology has long been a leader in repurposing 3D design data for downstream use," added Greg Baker, President, Tetra 4D. "By integrating our products, Tetra 4D customers will have a powerful solution for advanced preparation of their 3D data and creation of technical publications prior to publishing to 3D PDF. This integration will be highly beneficial to many of our existing customers."

Lattice Technology and Tetra 4D will be demonstrating this forthcoming integration in Paris, France on February 2nd with local reseller, Antéa. More information is available at:

<http://anteaprod.clients.bcisoft.fr/campagnes-informations/antea/2012/lp-seminaire-communication-technique-3d-fevrier.html>

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Lattice Technology Announces iXVL Player and iXVL Publisher

31 January 2012

Lattice Technology® Inc. announced the release of the iXVL Player and iXVL Publisher applications.

The ultra-lightweight 3D XVL® format is widely used in industries such as automotive, aerospace, defense, heavy machinery, medical devices etc. where products can have a large number of parts and complex structures. It allows even the largest CAD files (often more than 1GB!) to be viewed easily on-the-go. Now, iXVL Player will allow your data to be shared and viewed on mobile devices.

iXVL Player is the new addition to the iXVL technology offered by Lattice Technology, Inc. and brings a new level of functionality to mobile 3D Data Viewing.

iXVL Player is a free application for the iPad® and iPhone® available on the App Store for sharing, viewing and interrogating 3D models. As well as viewing functions like pan, zoom, and rotate, iXVL Player provides additional features including hide/show parts, change display quality and view snapshots created with XVL Studio.

"iXVL Player is the ideal tool to share part information and manufacturing and service data" said Bill Barnes, General Manager, Lattice Technology, Inc. "It provides access to additional information including assembly structure and individual part names and properties coupled with the ability to update information over the internet."

Along with iXVL Player, Lattice Technology, Inc. is also launching iXVL Publisher. iXVL Publisher supports all XVL file types and versions and enables them to be viewed and interrogated using any of the free XVL Players.

iXVL Player and iXVL Publisher are the latest additions to the Lattice Technology, Inc. family of mobile applications. These applications help companies in the adoption and use of mobile devices to easily distribute and share their 3D product data and information.

Additional information about iXVL Player and iXVL Publisher can be found at
<http://www.lattice3d.com/products/ixvl/index.html>.

Go to http://www.lattice3d.com/products/ixvl/img/iXVL-Player_1-0/iXVL-Player_1-0.html and watch the iXVL Player video.

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Mentor Graphics Announces Major New Functionality in HyperLynx Release 8.2

30 January 2012

Mentor Graphics Corporation announced the release of version 8.2 of the HyperLynx® suite of analysis tools offering significant new functionality for optimizing printed circuit board (PCB) designs, including 3D full-wave field solving, and integrated thermal/power co-simulation analysis capabilities. Analysis of today's multi-GHz SERDES channel interconnects—such as PCIe-Gen 3—requires specialized 3D modeling for accurate signal integrity analysis.

Another major feature is the integration of the HyperLynx Thermal analysis with the HyperLynx PI (power integrity) products to calculate the affects of heat generated by areas of high current density in complex power distribution networks (PDNs) on the PCB. These major enhancements enable HyperLynx users to reliably utilize the industry's most advanced high-speed IC and PCB technologies while developing more competitive products and hitting tight market windows.

For digital serial interconnects operating in data rate ranges of 5 to 28Gbps, it is important to include the 3D effects of certain PCB structures, such as vias, in the signal integrity analysis. However, analyzing the complete interconnect using full-wave 3D field analysis would not be practical, as the computing times would be excessive. Using a new feature in the HyperLynx 8.2 product, analysis is performed with 3D full-wave models for structures such as vias, and with 2D/2.5D solutions for constructs such as traces. The result is fast and accurate full interconnect analysis.

"We've used the new HyperLynx LineSim interface 3D EM solver to analyze our vias for very high-speed interconnects," said Yanfeng Yu, principal engineer, ZTE Corporation. "This feature is one of the must-have features for serial channel design. It's easy to use and the performance is very good."

Another effect of today's more advanced, high-performance designs is the necessity for multiple and complex power distribution networks due to the increasing number of supply voltages. This complexity can result in neck-down areas of copper on the PCB and high current densities which can then lead to excessive copper heating and, in severe cases, copper failure. The HyperLynx PI product now includes co-simulation between power integrity DC and thermal analysis to reflect the combination of heating of the PDNs and heat dissipation from the components, and the increased copper resistivity due to this heating. These integrated products now alert the designer to possible product failures due to excessive heat, as well as possible signal/power integrity performance issues.

"This merging of signal/power integrity and thermal analysis is yet another example of how once isolated design disciplines are affecting each other," said Dave Kohlmeier, director of analysis products, Systems Design Division, Mentor Graphics. "Mentor's strategy of creating an integrated suite of analysis tools that allow collaboration among the many disciplines involved in the product development process is enabling our customers to deliver more advanced and competitive products to market faster and with higher quality."

Product Availability and Additional Information

The HyperLynx release 8.2 will start volume shipments in February and will be featured at the **Mentor Graphics booth #607** during DesignCon 2012 in Santa Clara, California, January 31-February 1, 2012. For more information on this release, visit <http://www.mentor.com/pcb/hyperlynx>.

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OpenText Becomes First Major Vendor to Achieve VERS Certification for Records Management on Microsoft SharePoint 2010

30 January 2012

OpenText announced that it has continued to extend its leadership as a global information governance solution provider by becoming the first major ECM vendor to achieve [VERS](#) certification for its records management solution with Microsoft SharePoint 2010.

VERS, which stands for Victorian Electronic Records Strategy, is a globally respected standard for capturing, managing and preserving electronic records and most Australian corporations and government agencies require that records management solutions achieve certification. VERS consists of a framework of standards centered around the goal of reliably and authentically archiving electronic records. In order to be certified, products must undergo rigorous, independent testing by the VERS organization and demonstrate that all requirements of the standard are fully met.

Meets Global Requirements

Introduced last year, [OpenText Application Governance & Archiving for Microsoft SharePoint 2010](#) provides integrated end-to-end management of SharePoint 2010 sites and documents across an entire enterprise. With VERS certification along with existing U.S. Department of Defense 5015.02-STD v3 certification for this solution, organizations can now confidently deploy SharePoint 2010 with the knowledge that regulatory and legal requirements for records management around the globe are being fully addressed.

A globally managed, strategic Microsoft Gold Certified Partner, OpenText has a close working relationship with Microsoft. As detailed in the online resource center at <http://www.Better-Together-Central.com>, Microsoft and OpenText are working closely to help companies around the world enable an effective and holistic compliance framework to address information spread across the enterprise. OpenText was named 2011 ISV Line of Business Partner of the Year in Australia and was a finalist for 2011 Global ISV Partner of the Year.

"For customers in highly regulated industries and government agencies, compliance with major standards for records management and archiving is critical to their ability to deploy SharePoint 2010 strategically across the enterprise," said Gianpaolo Carraro, Director, Microsoft Australia. "By taking on the effort to achieve VERS certification, OpenText demonstrates the value of a strong ecosystem in helping customers get maximum benefit from their investment in the Microsoft platform."

Take Control of SharePoint Sites

Through use of OpenText Application Governance & Archiving for Microsoft SharePoint 2010, enterprises can take control over SharePoint sites to enforce broader compliance and archiving policies and lower ongoing administration and storage costs. It also helps to improve user productivity by opening access to all enterprise content from within SharePoint, ultimately increasing the value of content by giving corporations a robust, well-managed long-term corporate memory.

This latest certification detailed [here](#) reinforces, extends and complements other information governance certifications for OpenText offerings, including:

U.S. Department of Defense 5015.02-STD v3 certification, including Classified Records

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OpenText Records Management

OpenText Application Governance & Archiving for Microsoft® SharePoint®

OpenText Extended ECM for SAP® Solutions

OpenText Records Management with eDOCS 5.2

The National Archives Electronic Records Management Systems certification - UK Governments 2002 req

ISO 15489 compliance

U.S. Food and Drug Administration 21 CFR Part 11 compliance

U.S. Section 508 compliance

SEC 17a-4 compliance

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Reaction Design Announces New Version of CHEMKIN-PRO, Adds Particle-Size Prediction Capability

31 January 2012

Reaction Design®, a leading developer of [combustion simulation software](#), announced that new capabilities have been added to [CHEMKIN-PRO](#), the standard software simulation tool for engineers who are solving complex chemical design problems. The new version of CHEMKIN-PRO offers the ability to accurately simulate particle size distributions, as well as total particulate-matter emissions.

“The ability to predict particle sizes and track their progress from formation through agglomeration and reduction in a reacting gas is of significant benefit in many applications,” said Bernie Rosenthal, chief executive officer of Reaction Design. “Understanding particle size distributions is important in developing strategies to address soot concerns in automotive and industrial applications, and can be a key factor in the design of many chemical processes.”

The latest version of CHEMKIN-PRO is equipped with new particle-tracking options that provide the ability to directly predict the particle size distribution and total mass emission of soot and other particulates. The inception, growth and oxidation of soot particles, for example, can be directly simulated in CHEMKIN-PRO. Other particle systems, such as carbon black, alumina or titanium oxide, can also be simulated, enabling optimization of production processes.

New and updated features include:

New particle-tracking options

Sectional model provides direct prediction of size distributions by dividing the particles into a finite number of size-based sections or “bins” and then tracking the population in each bin as particles grow or shrink due to kinetics and coagulation. The model uses a discretized population balance and avoids excessive computational requirements compared to other particle-size prediction methods.

Particle aggregation model for soot agglomeration as well as for industrial processes, such as production of titania (TiO₂). The majority of particles generated by industrial processes are aggregates of primary particles. The aggregation model allows tracking the degree of aggregation in addition to the primary particle size.

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Particle radiation heat-transfer model in flames enables accurate prediction of the flame temperature when particles are present. Radiation heat transfer between the gas, particles and surroundings can have a significant effect.

Gas-radiation heat-transfer model in flames

In addition to particle radiation, certain gas-phase species also radiate to the surroundings. This new model better accounts for these heat-loss effects, which can be especially important for high-pressure flames.

Much faster sensitivity analysis in 0-D closed, homogeneous reactors with more than 10X speed improvement

Time-accurate transient sensitivity analysis can be achieved lightning-fast, enabling in-depth reaction-mechanism studies.

The new particle tracking technology in CHEMKIN-PRO was derived from and inspired by the accomplishments of the Model Fuels Consortium (MFC). Founded in 2005 by Reaction Design, the MFC is a highly regarded, industry-lead project for the development of cleaner burning, higher-mileage vehicles. The MFC's work focuses on creating software models and tools that enable engine designers to better determine the fuel effects on efficiency and emissions.

Availability

CHEMKIN-PRO is available today. For more information, please visit www.reactiondesign.com. For pricing information, please contact the Reaction Design sales team at 1-408-550-1920.

About Reaction Design

Reaction Design, a San Diego, California-based software supplier, enables transportation manufacturers and energy companies to achieve their clean technology goals by automating the analysis of chemical processes via computer simulation and modeling solutions.

Reaction Design is the exclusive developer and distributor of CHEMKIN, the *de facto* standard for modeling gas-phase and surface chemistry that provides engineers ultra-fast access to reliable answers that save time and money in the development process. Reaction Design's [FORTÉ](#) is an advanced computational fluid dynamics (CFD) simulation package for realistic 3D modeling of fuel effects in internal combustion engines with superior time-to-solution metrics that fit in commercial development timeframes. Reaction Design's [ENERGICO](#) software brings accurate chemistry simulation to gas turbine and boiler/furnace combustion systems using automated reactor network analysis. Reaction Design also offers the [CHEMKIN-CFD](#) software module, which brings detailed kinetics modeling to other engineering applications, such as CFD packages.

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Theorem's Unique 64Bit Inventor to Creo View Adapters Released to Aid Design Process

2 February 2012

Theorem Solutions announced the availability of their latest visualization products helping resolve the issue of sharing data between the Autodesk Inventor and PTC Creo View formats.

Theorem's Autodesk Inventor Adapter for Creo View (formerly ProductView) is a unique solution designed to aid supply chain collaboration!

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The adapter rapidly and accurately publishes 3D mechanical design geometry parts, assemblies and 2D drawings, together with attribute information to the compact format used by the Creo View application.

Now available on both Windows 32BIT & 64BIT platforms, users can digitally mock-up and interrogate native Inventor data within the Creo View environment.

The latest 64Bit Adapter allows data to be as large and complex as required, maintaining full application functionality!

The adapter can be integrated into WindChill, DIVISION Graphics Server or other PDM environments.

To improve the performance of an overall conversion process, the user may select a subset of the input Inventor data to be processed, allowing the conversion process to operate on only those items that are of specific interest to the user.

Partnering both Autodesk and PTC enables Theorem's products and solutions to consistently keep pace with vendor software releases and development cycles, making sure their advanced data translation tools always deliver the latest functionality to support the demanding needs of the user.

To find out more about Theorem's Inventor to Creo View Adapters please [click here](#)

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Version 2.1 of PROSTEP PDF Generator 3D Offers New Functions

February 2012

Version 2.1 of the PDF Generator 3D server solution from PROSTEP offers a number of new functions. New input formats have been added, supporting an even greater number of CAD system versions including Parasolid V24, 3D XML 4.3 for Dassault Systèmes CATIA V6, STEP AP242 and PTC Creo Parametric 1.0.

PDF Generator 3D's new, integrated online help function saves users from having to flip through manuals or carry out time-consuming searches in the Internet. The online help function has been optimized for frequently asked questions and offers immediate access to answers appropriate to the part of the program currently being used.

PDF Generator 3D's performance has once again been improved considerably. Version 2.1 offers significantly shorter loading times and even greater stability – so that users work more comfortably and efficiently.

You will find everything you need to know at www.pdfgenerator3d.com

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ZWSOFT Announces One More Month for Upgrading to ZWCAD 2012 with 50% Discount

1 February 2012

ZWSOFT announced its much anticipated Up-To-Date Discount program for all existing ZWCAD customers will be extended for one more month, or rather, till February 29, 2012, in an effort to respond the recent upsurge of customer demand for this program. The program gives customers with a valid license of any previous version of ZWCAD a 50% discount when they upgrade to ZWCAD 2012, the best ZWCAD to-date. The offer starts from the official release date of ZWCAD 2012 on November 15,

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2011. There has never been a better time to upgrade. Hurry Now! The offer expires on February 29, 2012.

“The Up-To-Date Discount program aims to help small and medium businesses (SMBs) accelerate their productivity by helping them upgrade to the latest and best ever ZWCAD. As a cost-effective CAD solution, ZWCAD is the smart choice for companies and CAD designers alike from both AEC and manufacturing industries. With more than 900 improvements compared to its previous version, ZWCAD 2012 gives you more reasons to upgrade than ever before!” Says Owen Zi, ZWSOFT Overseas Director. “We launched a similar 50% off discount program last year, and it just blew our mind that, in just only two months, so many companies and end users took advantage of it.”

Customers can contact us at sales@zwsoft.com, or use our Partner Locator to find a ZWCAD channel partner in your area. Please note that the Up-To-Date Discount program is not available in Germany, France, Italy, Austria, Switzerland, Netherland, Luxembourg, and Belgium. Upgrade now and experience the best solution from ZWSOFT today.

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