

Contents

Acquisitions	2
Open Text to Acquire Nstein Technologies	2
Company News	3
Arena Solutions Celebrates 10 Years of Providing On-Demand Bill of Materials (BOM) and Change Management Software in the Cloud	3
AVEVA Opens a Global Customer Centre in Houston, Texas	4
Dimensional Control Systems Inc. Adds EnViztec Pty. Ltd. to its Growing Roster of Resellers	5
Kubotek USA Adds Eureka-TEK as New Reseller for KeyCreator 3D Direct CAD Products	6
Kubotek USA Signs FEA Software Distribution Agreement with NEi Software	6
Lectra Appoints Céline Pérès Communications Director	7
Magma and Chengdu ICC Establish Joint Lab to Foster Growth of Analog and Digital IC Design in Western China	7
SoftInWay Introduces Online Courses to Train Turbomachinery Design Engineers	8
Surfware, Inc. Announces New 4- and 5-Axis Application Engineer	9
Technology Industry Leaders Join Accept Software Management Team	9
Updated Vectorworks Tutorials from Jonathan Pickup Now Available	10
Events News	11
Delcam to Support Diversification at DieMould India	11
Delcam to Show New-Look in ArtCAM 2010 at Sign & Digital Exhibition	12
ESPRIT 2010, by DP Technology, at Interphex Puerto Rico 2010 March 4-5	13
Texstars and VISTAGY to Present Webcast that Explains how Tier 2 and 3 Suppliers Can Win More Composites Business	13
WorkNC@DENTAL Digital Prosthesis Manufacture at LMT Lab Day Chicago	14
Zuken Delivers Seminar for Electrical System Design in Marine Projects	14
Financial News	15
ANSYS Reports Revenue and Earnings Growth for Fourth Quarter and Fiscal Year 2009, Updates Outlook	15
Autodesk Posts Sequential Revenue, Profitability and Cash Flow Growth	17
Autodesk, Inc. Fiscal Fourth Quarter 2010 Earnings Announcement February 23, 2010 Prepared Remarks	20
Centric Software Posts Impressive Growth in Fiscal 2010	20
Cimatron Reports Non-GAAP Net Profit of \$1 Million in the Fourth Quarter of 2009	22
Magma Reports Revenue of \$31.0 Million for Third Quarter -- Exceeds All Financial Guidance	23
Nemetschek Exceeds Profit Expectations	25
Implementation Investments	26
Anchorage Municipal Light & Power Selects Autodesk Topobase to Improve Network Records Management	26
Anshen + Allen Uses ArchiCAD to Transform Shipping Containers into Clinics for the Developing World	27
Carestream Health Selects Aras as Enterprise PLM Backbone for Product Level Information Replacing Outdated Global Legacy PLM System	28
Catalog Data Solutions Inc Selected by Rockford Linear Motion Inc for Online CAD Downloads, Catalog and eCommerce Solution	29
Designers Rely on KOMPAS-3D both for Work and Creativity	30
Kaman Anticipates Cutting Ply Development Time for Composite Helicopter Blades by Almost 80% with FiberSIM® Software	31

CIMdata PLM Industry Summary

Mentor Graphics Announces That Dongbu HiTek Has Adopted Eldo for Optimized Cell Characterization Flow	31
MSC.Software Empowers China's First Automotive Works with Industry Leading Engineering Management Platform	32
Oil & Gas Contractor Semco Maritime Selects IFS Applications	33
PDF Solutions Expands Use of Magma's Quartz Products to Physically Verify CV Test Chips for 45-, 40-, 32- and 28-nm Processes	34
Queiroz Galvão Implements Intergraph® SmartPlant® Enterprise	35
Sescoi Software Used by Winners and Finalists in the 2009 Excellence in Production Competition	36
StructureCraft Creates Roof for Richmond Olympic Oval with Autodesk Inventor	37
Thermphos Taps Atrion International's Product Compliance for SAP® EH&S Integration into Business Processes	38
Volvo 3P Cab Engineering Includes New Material Model Available in RADIOSS to Better Predict Behavior of Cast Parts in Crash Calculations	39
With Kneissl, Skier Is Ready for the 2010 Winter Olympic Games	40
Product News	41
Cadac Organice BV Announces Advanced Document Creation in Organice Explorer 2010	41
CGTech Now Shipping VERICUT Composite Applications Version 7	41
Delcam Adds Parasolid to Toolmaker Tooling Design Software	42
First Trace Releases Kinnosa 4.2 for Engineering Document Management	44
Geometric Releases NestLib® 2010 R1	45
Invensys Releases DYNsIM Medium Fidelity Simulation	45
Invention Machine Unveils Innovation Software to Foster Expert Collaboration	46
Lattice Technology And Kubotek USA Announce Partner Agreement	47
Mentor Graphics Introduces FloTHERM IC, a Comprehensive Solution for Semiconductor Package Thermal Characterization and Design	48
NEi Software Meets Market Demand with NEi Fusion 2.1, a 3D CAD Modeler with Nastran FEA	49
New Version of Industry Leading Swept-path Software, AutoTURN, Launched	49
Planisware Launches New On-Demand Solution Planisware Live™	50
PTC Extends Explicit Modeling Technology Leadership with CoCreate 17.0	51
Spatial's CAD Translation Components Help Drive 3D-Tool Sales Growth	52

Acquisitions

Open Text to Acquire Nstein Technologies

22 February 2010

[Open Text Corporation](#) and Nstein Technologies Inc. announced that they have entered into a definitive agreement by which Open Text will acquire all of the issued and outstanding common shares of Nstein through an Nstein shareholder-approved amalgamation with a subsidiary of Open Text under the Companies Act (Québec).

Based on the terms of the definitive agreement, Nstein shareholders will receive for each Nstein common share, CDN \$0.65 in cash, unless certain eligible shareholders otherwise elect to receive a fraction of an Open Text TSX traded common share, having a value of CDN \$0.65 based on the volume weighted average trading price of Open Text TSX traded common shares in the 10 trading day period immediately preceding the closing date of the acquisition. This purchase price represents a premium of approximately 100 percent above the 30 trading day average closing price of Nstein's common shares. The transaction is valued at approximately CDN \$35 million.

CIMdata PLM Industry Summary

According to Open Text President and Chief Executive Officer John Shackleton, Nstein will extend the breadth of Open Text's ECM offerings and further Open Text's position as the leading independent ECM vendor in the marketplace. Based in Montreal, Nstein's solutions are sold across major market segments, such as media and information services, life sciences and government.

"This is a good fit for two strong Canadian companies," said Shackleton. "With Nstein, we have an opportunity to continue to grow as Canada's largest software company, expanding Open Text's presence in Quebec. Nstein will also add complementary technology and expertise that enhances our ECM solutions portfolio."

"This agreement helps Nstein take its next major step into the future," said Luc Filiatreault, President and Chief Executive Officer of Nstein. "We've always been committed to delivering innovative solutions to our customers and partners. Our agreement with Open Text is in keeping with this commitment. Customers will benefit from an expanded ECM solutions portfolio, and a shared vision for innovative solutions going forward."

The transaction is expected to close in the second calendar quarter and is subject to customary closing conditions, including approval of two-thirds of the votes cast by Nstein's shareholders and applicable regulatory and stock exchange approvals. A special meeting of Nstein's shareholders is expected to be held to consider the amalgamation in early April, 2010.

The definitive agreement includes customary non-solicitation and right to match provisions and Nstein has agreed to pay Open Text a termination fee in certain circumstances if the amalgamation is not completed. Nstein's Board of Directors received a fairness opinion from Pagemill Partners L.L.P. that the consideration to be received under the amalgamation is fair from a financial point of view to Nstein shareholders. The directors and officers of Nstein, and certain shareholders of Nstein, collectively representing in aggregate approximately 48 percent of the issued and outstanding shares of Nstein have agreed to enter into voting agreements with Open Text to vote in favour of the amalgamation.

About Nstein Technologies Inc.

Nstein Technologies Inc. provides next generation content management solutions that help information-rich enterprises centralize, understand and manage vast amounts of content. At the heart of Nstein's solutions, semantic analysis allows information to be easily found and packaged together - so it can be connected to the right internal and external audiences. Nstein's Content Management and Web Publishing solutions both rely on Nstein's patented Text Mining Engine for semantic and text analysis. This unlocks content's value and allows clients (from an array of different industries) to leverage existing content to: create and deliver new products; facilitate internal and external research and knowledge sharing; and reduce content-related costs.

 [Click here to return to Contents](#)

Company News

Arena Solutions Celebrates 10 Years of Providing On-Demand Bill of Materials (BOM) and Change Management Software in the Cloud

24 February 2010

[Arena Solutions](#) announced that this month marks the company's 10th year of offering [enterprise-class bill of materials \(BOM\) and change management software](#) in the cloud. Informed by a decade of

CIMdata PLM Industry Summary

experience, Arena now makes it easier than ever for companies to get started with Arena, helping the average new customer get up and running, with its data in the system, [in less than five days](#).

Arena Solutions (then known as bom.com) incorporated in February 2000, signed its first pilot customers months later and rolled out the Arena application (also originally called bom.com) to the wider market in June 2001. In 10 years the company has issued 53 major releases of its software and hundreds of minor releases. And because Arena is an on-demand, cloud-based system, every upgrade is automatically available to every single Arena customer as soon as it is released.

"I'm proud to look back and say that we're doing exactly what we set out to do," said Eric Larkin, co-founder and chief technology officer of Arena Solutions. "When we were getting started, we encountered a lot of skepticism about our plans to offer software in the cloud. Although other on-demand software providers like salesforce.com and NetSuite (then NetLedger) were getting started then, no one had yet proved that businesses would accept software-as-a-service (SaaS) in any significant numbers. But we were convinced that companies were ready for the unmatched advantages of on-demand enterprise applications -- benefits like rapid deployments; automatic upgrades; no software, hardware or IT investment; and a low total cost of ownership (TCO). The cloud was also the only way to offer the core functionality that makes Arena both unique and extremely valuable: true out-of-the box collaboration between manufacturers and their global supply chains. We may have been a little bit ahead of our time 10 years ago, but proof of on-demand acceptance has come since then: customers have adopted, on-demand software providers have succeeded, traditional software companies like Microsoft have pushed into the cloud and financial institutions like Goldman Sachs have acknowledged an ['unstoppable shift to SaaS.'](#)"

Thousands of users have put Arena to the test over the last decade, with customers' employees, partners and suppliers logging in more than 12.2 million times to manage vast amounts of product data. Arena customers have collaborated with their manufacturing partners to develop 665,000 assemblies in the system and manage the 2.75 million different parts, subassemblies and other items that get used across those assemblies. Arena customers have used 155,000 suppliers and their 2.2 million different parts, and they've managed 1.7 million datasheets, assembly instructions, training records and other documents to support new product development (NPD), [new product introduction \(NPI\)](#) and the rest of the product design and manufacturing process. Arena has ensured the constant availability of its service throughout that time by delivering 99.98% lifetime uptime and allowing less than four minutes of unscheduled downtime in the last year.

The value companies derive from Arena can be seen in the results. On average, Arena customers design products 35% faster -- and reduce the cost of those products by 18%. They also see gains like 75% faster change order cycle times, 22% savings in change management and outsourcing costs and 20% faster time to revenue. Those benefits add up and pay off, propelling Arena customers to achieve product wins, company growth and successful outcomes. Many companies become Arena customers as young start-ups and then grow into public companies or prized acquisition targets. In the last few years alone, IPOs and purchases of Arena customers by companies like Philips, Cisco and EMC have generated more than \$4.5 billion for those customers and their investors and owners.

 [Click here to return to Contents](#)

AVEVA Opens a Global Customer Centre in Houston, Texas

22 February 2010

CIMdata PLM Industry Summary

AVEVA Group plc is making a significant investment in facilities and infrastructure by building a state-of-the-art visualization centre at its Americas headquarters in Houston, Texas. The AVEVA Business Performance Centre sets a new standard for the software engineering industry by offering a true immersive environment where customers can simulate how AVEVA solutions can transform their businesses.

The AVEVA Business Performance Centre is equipped to demonstrate global design, engineering, construction and operation solutions for the process, power, oil & gas and shipbuilding industries. The decision to develop the Centre aligns with AVEVA's commitment for continual progression in software engineering technologies.

"The AVEVA Business Performance Centre provides us with a powerful simulation environment to showcase our capabilities and competitive advantages," said William Muldoon, Executive Vice President of North America, AVEVA Inc. "I am very excited to offer this new facility to our customers and partners knowing that this immersive approach will help transform major projects and set new standards."

With a customer-centric approach to business, AVEVA realizes today's market requires the ability to clearly differentiate competitive solutions. So the Centre won't simply be an executive briefing facility rather it will be a "virtual design center" tailored to help customers position their companies for future success using a secure collaborative design environment to fuel creativity and innovation while simultaneously addressing their information management requirements.

"AVEVA is addressing a new generation of customers who prefer to evaluate software in a real world, interactive environment rather than attending trade shows," adds Mr. Muldoon. "AVEVA's enabling technology is robust and feature-rich, so our solutions are perfectly suited for a visualization environment."

The AVEVA Business Performance Centre opens March 1, 2010. For its grand opening, AVEVA is holding numerous events for owner operators and engineering procurement customers. If you would like to attend one of the special events or want additional information - please email:

specialguest@aveva.com

 [Click here to return to Contents](#)

Dimensional Control Systems Inc. Adds EnViztec Pty. Ltd. to its Growing Roster of Resellers

24 February 2010

Dimensional Control Systems Inc. (<http://www.3dcs.com>) has signed EnViztec (<http://www.enviztec.com.au>) to market, sell and support DCS software technology in Australia and New Zealand. EnVizTec, one of Australia's leading suppliers of technology-based services, is the latest distribution partner to join DCS's growing roster of international software resellers.

"As DCS's first distribution partner in Australia, EnVizTec is pleased to empower manufacturing companies with software that helps them quickly and cost-effectively analyze their designs for dimensional variation and root out problem areas early in design" said Rajendra Avargerimath Managing Director of EnVizTec.

With more than 15 years of experience across numerous industries, EnVizTec offers technology and services that leverage an industry experienced team within disciplines of Product Lifecycle Management (PLM) consulting, quality planning and operational risk management solutions, 3D visualization and

CIMdata PLM Industry Summary

simulation, engineering design with project management and on-demand contract engineering resources.

“EnVizTec is an important partner win for us,” said John Sienkowski, Partnership Program Manager for DCS. “Our agreement expands our market presence throughout Australia and New Zealand and further positions DCS for continued international growth. We are thrilled to be working closely with EnVizTec to deliver state-of-the-art tolerance simulation and quality data management solutions to design and manufacturing companies looking to improve product quality by visualizing, analyzing and optimizing product and process variation during the digital product development process.”

Dimensional Control Systems’ suite of dimensional quality software (3DCS for Tolerance Simulation and GDM-3D for Quality Data Management) is well aligned to support the entire product development and manufacturing process. The 3DCS and GDM-3D software technologies provide a virtual quality assessment of the design that improves the assembly quality while minimizing costs early in the product's development and well into production.

 [Click here to return to Contents](#)

Kubotek USA Adds Eureka-TEK as New Reseller for KeyCreator 3D Direct CAD Products

24 February 2010

[Kubotek USA](#) announced the addition of Eureka-TEK as a new reseller to their growing US value-added reseller (VAR) channel in the US. [Eureka-TEK](#) is a new company staffed by CAD industry veterans. Eureka-TEK will be serving the Upper Midwest region and is specializing in 3D Direct CAD software.

“KeyCreator is the recognized pioneer of 3D Direct Modeling and has proven itself with the largest installed base of 3D Direct CAD users in the world. We want to help designers and engineering and manufacturing professionals achieve greater success by promoting such invaluable 3D engineering tools.”

 [Click here to return to Contents](#)

Kubotek USA Signs FEA Software Distribution Agreement with NEi Software

25 February 2010

[Kubotek USA](#) announced a distribution agreement has been signed with NEi Software, makers of NEi [Nastran Finite Element Analysis \(FEA\)](#) software. The agreement allows Kubotek USA to market and sell NEi Nastran FEA software in throughout North and South America. FEA software allows engineers to analyze the effect of various stresses on their mechanical CAD designs.

“NEi Software contacted us because of our 3D Direct Modeler, KeyCreator,” said Scott Sweeney, Vice President of Marketing for Kubotek USA. “With KeyCreator’s flexibility and precision, customers using NEi Nastran FEA can easily simplify and de-feature models from any CAD system for analysis and simulation. You don’t have to be a CAD jock or a Physics PhD to use the combination of KeyCreator and NEi Nastran.”

Phil Potasiak, President, NEi Software said “We are excited about our new relationship with Kubotek in the Americas and we plan to expand it globally. We believe that there is great synergy in our products. The fully integrated solution, scheduled for release in the fourth quarter of 2010, will offer unparalleled ease of use and price performance in the market.”

CIMdata PLM Industry Summary

Kubotek sells a complete CAD/FEA solution which includes its 3D direct modeler KeyCreator Version 9 plus NEi Nastran V 9.2. The price for this complete CAD/FEA solution package is \$9,995 and includes many CAD translators standard.

Existing Kubotek customers and customers currently using KeyCreator with a competing FEA solution will be offered competitive upgrades. Customers can click here to [request more information on NEi Nastran products](#).

 [Click here to return to Contents](#)

Lectra Appoints Céline Pérès Communications Director

25 February 2010

[Lectra](#) announced the appointment of Céline Pérès as Communications Director.

Based at the company's headquarters in Paris, Céline Pérès reports directly to Daniel Harari, Lectra CEO. Her mission is to define Lectra's communications plan for all its markets (fashion, automotive, furniture and industrial fabrics) and to ensure this is implemented throughout the group's 31 subsidiaries.

"Our business environment is going through a period of profound and significant change. Despite the instability of current global economic conditions, Lectra's communications policy is part of an ambitious company dynamic. We have an innovative and comprehensive offer that enables our customers to overcome their new challenges successfully," said Daniel Harari, Lectra CEO.

"With profession-oriented solutions developed in conjunction with some of the biggest names in their sectors, for many years now, Lectra has been unbeatable in Europe. One of our communications challenges will be strengthening the company's profile in North America and Asia," added Céline Pérès. "Another of our priorities will be to consolidate Lectra's unique position in PLM and design solutions for the fashion industry, through our new Lectra Fashion PLM and Kaledo® offers. In addition, we will strengthen Lectra's position regarding the intelligent cutting room, capitalizing, in particular, on the unrivalled technological lead of the Vector® range."

Before joining Lectra, Céline Pérès spent 10 years with Dassault Systèmes, notably as Marketing Project Manager (product, telemarketing and events) and manager of the company's external magazine. Céline Pérès holds a Masters degree in Marketing and Brand Strategy from CELSA, Paris.

 [Click here to return to Contents](#)

Magma and Chengdu ICC Establish Joint Lab to Foster Growth of Analog and Digital IC Design in Western China

4 February 2010

[Magma® Design Automation](#) announced the recent opening of a joint IC design lab. Established in the National IC Design Chengdu Industrial Base, one of seven technology incubation parks in China, the lab will provide local designers with access to Magma's advanced analog and digital IC design software and comprehensive training programs.

"Chengdu Hi-tech is focused on building the semiconductor industry in western China," said Duan Zhigang, vice director of Chengdu Hi-tech Zone Innovation Service Center. "We work with leading IC design companies, wafer fabs, test and assembly providers, and other associated enterprises, including

CIMdata PLM Industry Summary

Fujitsu, Conexant, Freescale, Intel, SMIC, Panovasic, CSMSC, GoldTel and IPGoal, to create a complete industrial supply chain. With closer cooperation with Magma and the establishment of the Chengdu ICC-Magma IC design lab we further enhance the advantages of doing semiconductor business in western China."

"Designers in China and the rest of the world are facing increasing complexity, power, area, cost and time-to-market challenges," said Rajeev Madhavan, CEO of Magma Design Automation. "By making the Magma software and training available in the new lab, we can work more closely with our customers in Chengdu to help them overcome these challenges and train engineers in local design services companies to provide additional resources."

The joint lab will help IC design companies develop technical expertise, shorten the design cycle, accelerate the time to market for their products, and improve their ability to meet the demands of the international semiconductor market. Magma will offer technical training on its Talus® and FineSim™ software to IC design companies in the National IC Design Chengdu Industrial Base. Talus, an integrated IC implementation platform, is used by many of the world's top chip companies to develop complex chips in 45/40-nm process technology. FineSim, a complete simulation platform, is the industry's first circuit simulator to truly support multi-CPU simulation, providing three to four times faster simulation than traditional simulators while maintaining accuracy.

Talus and FineSim course descriptions, schedules and more information are available on the Chengdu ICC website at www.cdicc.org.cn.

About Chengdu ICC

The National Integrated Circuit Design Industrialization Camp-Chengdu was established in July of 2001 with the official sanction of China's Science and Technology Ministry. Managed by Chengdu Integrated Circuit Design Industrialization Camp Co., Ltd (CDICC), the camp is one of seven professional IC design industrialization bases in China and is the only center located in inner China.

 [Click here to return to Contents](#)

SoftInWay Introduces Online Courses to Train Turbomachinery Design Engineers

25 February 2010

SoftInWay Inc. has pushed the envelope of classroom-based education and proudly presents a series of new online training courses that allow engineers to enhance their expertise and consult industry experts without leaving their offices. The first two online courses – “Axial Turbine” and “Axial Compressor” – have already been scheduled.

The aim of the online training is to familiarize engineers with design, analysis and optimization of turbomachinery flow path through lectures, tutorials, practical exercises, reviewing of home tasks and consultation with instructors. As a strong emphasis is placed on practice, on completion of the online training all participants will be able to perform such tasks as preliminary flow path design, map generation, optimization using Design of Experiment, profiling, 3D blade design and analysis of existing turbine / compressor.

The program includes 16 hours of study (2 hours per day) plus the time the attendees need to perform home tasks. All sessions are recorded, providing a quick access to the course's contents. Such a flexible approach enables individuals to leverage their time to save precious working hours, and companies – to organize in-service education for employees, reducing travel expenses and boosting productivity.

CIMdata PLM Industry Summary

These courses are intended for engineers involved in design and optimization of axial / radial turbomachinery, technical managers responsible for product range development and engineering students who want to accelerate the speed of learning and gain a solid educational background to succeed in their job search.

“By launching the online courses we have created a way for preparing well-trained engineering workforce all over the globe. We want to ensure that everyone can access the latest in turbomachinery design education and implement this knowledge into practice at the comfort of their home or office,” – said Dr. Leonid Moroz, President and CEO of SoftInWay Inc.

The online courses are a part of SoftInWay’s educational program which also includes intensive on-site training for professional mechanical and aerospace engineers, introductory seminars and free 1-hour webinars.

To learn more about the online training courses or register, please visit <http://www.softinway.com/education/online-training.asp>

 [Click here to return to Contents](#)

Surfware, Inc. Announces New 4- and 5-Axis Application Engineer

25 February 2010

Surfware, Inc. announced that Bill Schwab has joined the firm as a 4- and 5-Axis SURFCAM Applications Engineer.

“We’re very pleased that Bill has joined our Application Engineering team”

Bill has an extensive background in milling, including operations, programming and machine set up for a variety of aerospace products. His experience involves training end users on SURFCAM’s 2- 3- 4- and 5-Axis systems. He has also used TrueMill® to ensure a high level of quality and productivity with cutting hard-to-machine materials such as Inconel, titanium and cobalt chrome. He has been in the industry for 30 years and has become an expert in 4- and 5-axis machining.

 [Click here to return to Contents](#)

Technology Industry Leaders Join Accept Software Management Team

17 February 2010

[Accept Software](#) announced it has named Christine Crandell as senior vice president of marketing and John Haniotis as vice president of product management.

A technology veteran with over two decades of marketing and strategy experience, Ms. Crandell will spearhead the company’s efforts to build its leadership position in the fast growing market of product innovation solutions. Mr. Haniotis, a long-time customer of Accept Software’s suite of integrated innovation and product development management solutions, will lead Accept Software’s product strategy and management. His extensive industry experience in product strategy and management will be instrumental in guiding Accept Software’s long-term ‘best in class’ product strategy and customer needs.

“The economic rebound has brought with it a sea change in how companies approach innovation and development of blockbuster products. An increasing number of global and emerging technology product

CIMdata PLM Industry Summary

leaders are relying on Accept 360™ solutions to increase the profitability and success of their product innovation efforts,” said Bryan Plug, president and CEO, Accept Software. “Christine and John have the perfect blend of strategy, creativity, and experience we need to build Accept Software into a world-class brand and I welcome them to my team.”

As senior vice president of marketing, Ms. Crandell will craft and lead marketing strategy that enables Accept Software to build its expertise in integrated collaborative product management into global leadership through metrics-driven processes to enhance customer and partner relationships, expand revenue pipeline and increase profits. Prior to joining Accept Software, Ms. Crandell was chief marketing officer and executive vice president of business development and alliances for Egenera. Prior to Egenera, Ms. Crandell served as vice president of Marketing for Ariba, Inc., where she led the company’s transition from an on-premise to SaaS vendor and rebuilt the global brand. She has also held senior marketing management roles with SAP, Oracle, and Price Waterhouse.

As vice president of product management, Mr. Haniotis will define the product vision and direction including product roadmaps, build/partner strategies, user experience and product development. Prior to joining Accept Software, Mr. Haniotis led product strategy for Intuit’s Small Business Ecosystem platform and QuickBooks where he was instrumental in pioneering a companywide Requirements Management process. Prior to Intuit, Mr. Haniotis led product management for Neoforma, Chordiant, and Aspect Communications.

 [Click here to return to Contents](#)

Updated Vectorworks Tutorials from Jonathan Pickup Now Available

19 February 2010

Two updated training guides are now available for users of Vectorworks® software. The guides, *3D Modeling in Vectorworks, Second Edition* and *Vectorworks Landmark Tutorial Manual, Second Edition*, were both written by experienced Vectorworks user and author Jonathan Pickup.

3D Modeling in Vectorworks, Second Edition is a guide for users seeking to create 3D forms through the use of extrudes, sweeps, solids, NURBS, loft surfaces, and 3D primitives. After explaining the basic concepts, the manual uses a series of exercises to demonstrate how and when to use the modeling techniques. The guide also includes 62 videos, which provide step-by-step instructions for completing the exercises.

Vectorworks Landmark Tutorial Manual, Second Edition includes a series of projects to familiarize the user with Vectorworks Landmark concepts and techniques and includes more than 50 videos to walk users through each technique.

In a review of the 3D modeling tutorial on his blog (www.the-veg.com), Kellan R. Vincent of Vincent Landscapes, Inc. wrote: "Overall I think the new book is a great way to really get into parametric modeling. Pickup outlines various 3D modeling tools, giving tons of screen captures as well as a DVD containing associated videos. After learning some of the basic commands and uses for the tools, the tutorial takes you through a couple of full projects from start to finish."

The tutorials are based on version 2010 but can be used successfully with prior versions of Vectorworks software. Each includes a companion CD containing exercise files and the complete manual in PDF form.

The workbooks are part of Nemetschek North America's self-paced training options. These training

materials are for people who like to learn on their own, and at their own pace. For more information and to purchase the manuals authored by Jonathan Pickup, please go to www.nemetschek.net/training/guides.php.

Jonathan Pickup is an architect trained in New Zealand and in the UK, with more than 30 years of experience. He has been writing and producing Vectorworks manuals and providing customer support for more than 15 years. His company, ArchonCAD, is a provider of third-party manuals and training resources for Vectorworks. He also runs the Vectorworks On-Line User Group and provides its main direction. For more information, please visit www.archoncad.co.nz.

 [Click here to return to Contents](#)

Events News

Delcam to Support Diversification at DieMould India

22 February 2010

Delcam India will show how the company can support the diversification of toolmaking companies into new industries on stand A6 at the DieMould India exhibition to be held in Mumbai from 18th to 21st March. Managing Director Vineet Seth believes that his company's broad range of design and manufacturing software, and the expertise of his staff, can help toolmakers to broaden their business opportunities and so continue to be successful.

"In the uncertain economic climate, a lot of generic toolmakers have been forced to look at expanding their portfolio and so have started adding facilities for production machining," claimed Mr. Seth. "Similarly, many companies who were primarily servicing automotive clients have now started looking for opportunities in other sectors, including aerospace and healthcare."

"To be successful in these new areas, the toolmaker needs the assistance of his suppliers, especially the company providing and supporting his CAD/CAM software," added Mr. Seth. "Delcam India is uniquely placed to help this type of expansion. We have specifically tailored solutions for various verticals that toolmakers might begin to look at as potential business expansion opportunities."

The complete range of Delcam machining software comprises PowerMILL for high-speed and five-axis machining, FeatureCAM for feature-based programming for production machining, PartMaker for Swiss-type lathes and turn-mill equipment and ArtCAM for engraving and routing. Delcam complements its machining systems with a full range of supporting software for data translation, tooling design, reverse engineering and inspection.

Delcam has also developed a number of systems that combine machining and inspection processes. These are attracting particular attention from the aerospace industry, for both the manufacture and the repair of complex components. One example of this integration is electronic fixturing. With this technique, toolpaths are adjusted to match the actual position of the surface of the workpiece, rather than trying to align the part into exactly the nominal position specified in the CAM system. This approach can overcome the problems encountered when machining large, heavy parts or flexible composite panels.

Delcam India is also helping its customers to develop opportunities in the healthcare business. Internationally, Delcam's design, reverse engineering, machining and inspection software are used in a wide range of applications from the production of prostheses, through to the manufacture of surgical

CIMdata PLM Industry Summary

instruments and all types of medical packaging. Mr. Seth believes that similar opportunities are available in the Indian healthcare sector.

In addition, Delcam India can supply specific products for the healthcare market. These include the DentCAD and DentMILL programs for the design and manufacture of dental restorations and the OrthoModel and OrthoMill software for the development of orthotics. In addition, special versions of the CRISPIN range of footwear design and manufacturing software are available for the production of orthopaedic footwear.

 [Click here to return to Contents](#)

Delcam to Show New-Look in ArtCAM 2010 at Sign & Digital Exhibition

25 February 2010

UK signmakers will have their first opportunity to see the 2010 versions of [Delcam](#)'s ArtCAM family of software for signmaking and other artistic applications at the Sign & Digital exhibition to be held at the NEC from 13th to 15th April. The range comprises the entry-level version, ArtCAM Express for users new to CNC machining, ArtCAM Insignia for production machining, and ArtCAM Pro for more complex design and manufacturing.

The main change in the 2010 versions is a completely new interface that can be customised by the user to give them the optimum productivity. This allows every user to set up the software to give quicker access to the commands that they use most frequently. Similarly, commands that are rarely used can be hidden from the initial menu choices. This releases much more of the screen for visualization of the model during the design progresses.

Another change that will increase productivity is the ability to use many more commands on the 3D model directly. Previously, much of ArtCAM's modelling had to be carried out on a 2D view, and then calculated and visualized in 3D. Direct editing in the 3D window gives more immediate feedback, allowing much faster creation and modification of designs.

Further improvements have been made to the sculpting tools, following the major simplification of these options in ArtCAM 2009. These tools are highly valued by ArtCAM's creative users as they can be used to produce virtually any shape. They duplicate in the virtual world the ability to sculpt physical materials but with the added advantage that material can be added as well as taken away.

On the machining side, a great deal of underlying technology has been incorporated into ArtCAM from Delcam's engineering CAM system, PowerMILL, such as the latest in multi-threading technology which gives faster calculation times. The machining improvements in ArtCAM 2010 will also give users greater flexibility to edit toolpaths, in particular to optimize the leads and links.

Also of particular value to signmakers will be a new dual strategy combining roughing with an end-mill and V-bit carving. This gives the advantage of faster material removal with the end-mill, while retaining the finish quality that is possible with a V-bit cutter. In addition, machining simulations have been made more flexible by adding the ability to change the view during the simulation. This makes it easier to check the quality and accuracy of the toolpaths on the computer before they are sent to the machine.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

ESPRIT 2010, by DP Technology, at Interphex Puerto Rico 2010 March 4-5

19 February 2010

[DP Technology](#), creator of ESPRIT®, will exhibit ESPRIT 2010, the latest version of its software, at Interphex Puerto Rico 2010, set to take place March 4 and 5 at the Puerto Rico Convention Center in San Juan, Puerto Rico.

Hailed as the Caribbean’s “premier event for pharmaceutical, biopharmaceutical and medical device manufacturing,” Interphex 2010 is a showcase for cutting-edge technologies and solutions that run the gamut of medical machining and are geared at saving time and increasing profits.

Visitors are encouraged to visit ESPRIT booth No. 317, where knowledgeable representatives of DP Technology will be available to discuss vital upgrades and perform demonstrations of how to put those upgrades to work for you.

In addition to major upgrades that will be of benefit to all users, ESPRIT 2010 offers improvements in the support of integrated multi-tasking, mill-turn machine tools. All ESPRIT milling and turning machining capability, from 2-axis turning to 5-axis milling, is available for any type of mill-turn machine tool, including lathes that perform milling, mills that perform turning, Swiss-style machines and other “integrated mill-turn machining centers.” In the 2010 release, support for these multi-tasking machine tools has been enhanced through increased flexibility in cutting tool configurations and orientations, enabling the support of a wide variety of machines. The newly added support for additional rotary axes, three or more, allows the ESPRIT customer to completely program and easily simulate the most complex and sophisticated machine tools currently available on the market.

 [Click here to return to Contents](#)

Texstars and VISTAGY to Present Webcast that Explains how Tier 2 and 3 Suppliers Can Win More Composites Business

25 February 2010

[Texstars](#) and [VISTAGY](#) will present a 60-minute live Webcast on March 11 entitled, “[How to Win More Composites Business.](#)” In this Webcast Tier 2 and Tier 3 suppliers can learn how to improve their chances of winning contracts for programs that call for parts and assemblies comprised of a significant amount of advanced composite materials. The discussion will address how to implement processes and tools that enable companies to reduce the risks of working with composite materials while meeting stringent customer requirements and deadlines.

The Webcast will focus on how to:

- Win more bids by streamlining the bid-to-ship process
- Use cutting edge solutions to gain a competitive advantage and increase your appeal to OEMs and Tier 1 suppliers
- Prepare your workforce for adopting new technologies

Although the exchange of ideas will reference challenges faced in the aerospace industry, lessons

learned are directly applicable to all industries that design and manufacture composite products.

[Learn more and register.](#)

 [Click here to return to Contents](#)

WorkNC®DENTAL Digital Prosthesis Manufacture at LMT Lab Day Chicago

22 February 2010

WorkNC®DENTAL, SESCOI's totally open, automatic dental CAD/CAM system will be on show at the **LMT Lab Day** in Chicago on February 27th. The specialist clinics and the exhibition, held in the Sheraton Chicago Hotel and Towers, will be an important opportunity for delegates to network with other dental professionals and hear about the latest developments within the industry.

WorkNC Dental is the automatic solution for the machining of dental prostheses, implants and structures that includes more than 70 state-of-the-art 3 to 5-axis toolpaths. Its optimized machining sequences result in significant set-up and production time-savings.

“Starting with scanned data manipulated in a dental CAD system such as Dental Wings®, 3 Shape® and others; WorkNC Dental has been designed so that technicians unfamiliar with CNC machining can reliably produce high quality dental elements on a range of machine-tools and in a variety of materials with very little instruction.”

Technicians start by nesting caps and bridges within the material blank to maximize its utilization, and then add location pins to support the prostheses during the machining operation. Machining wizards within WorkNC Dental automatically select the most appropriate tools and cutting methods for the selected material. Zirconia and titanium have different cutting characteristics, so the toolpaths, feeds and speeds generated by the system are all optimized to give the best possible results. Where appropriate, WorkNC Dental automatically generates 5-axis cutterpaths, ensuring that compound angled location holes and undercut conditions are completely and effectively machined with just one mouse click. The high quality of the part eliminates manual finishing and ensures proper fit.

 [Click here to return to Contents](#)

Zuken Delivers Seminar for Electrical System Design in Marine Projects

23 February 2010

Zuken has teamed up with the Marine Design Centre in Newcastle upon Tyne, UK; and will be hosting a seminar focusing on the advances in electrical system design for complex marine projects. The [one day event on 2nd March 2010](#) invites people to understand how they can overcome design issues associated with the ever increasing electrical complexity across all disciplines of the marine, off-shore, oil and gas and renewable industries.

"Massive advancements within the marine industry have seen this topic growing in importance within the community over the last couple of years. We are pleased to be hosting Zuken at our world centre of excellence – we believe that overcoming the challenges associated with electrical and electronic integration is key to helping our partner organisations grow market share and gain competitive advantage," said Simon Elis, Marketing Manager at the Marine Design Centre.

For marine engineers wanting to find out more about how they can design with flexibility, while taking

into account the wide range of different industry standards and individual client requirements, this is a must attend seminar.

To register to join the seminar free of charge email events@marinedesigncentre.com or call 0191 2551710.

For further details about Zuken's competence in the marine industry visit www.zuken.com/marine and for details about the Marine Design Centre visit www.marinedesigncentre.com

 [Click here to return to Contents](#)

Financial News

ANSYS Reports Revenue and Earnings Growth for Fourth Quarter and Fiscal Year 2009, Updates Outlook

25 February 2010

Highlights

- Fourth quarter and fiscal year 2009 non-GAAP revenue of \$150.6 million and \$524.9 million, respectively.
- Fourth quarter and fiscal year 2009 non-GAAP diluted EPS of \$0.53 and \$1.78, respectively, or \$0.56 and \$1.81, respectively, excluding certain items.
- Fourth quarter and fiscal year 2009 operating cash flow of \$44.9 million and \$173.7 million, respectively.

ANSYS, Inc. reported its fiscal fourth quarter and full year 2009 results.

"In addition to the financial results, there were three encouraging aspects to a very chaotic 2009. Foremost, the core thesis of ANSYS was validated and amplified as simulation not only provided transformational advantage to our customers in difficult times, but also aided in the survival of companies during increasingly competitive times. Secondly, the business model that supports this mission continued to prove high resiliency over a wide range of economic environments over the past decade. And lastly, ANSYS demonstrated agility with its nimble response to the tumult in the market. The fourth quarter presented us with a combination of both challenges and opportunities. ANSYS' ability to deliver solid financial results was driven by our tight alignment with our customers' research and product development priorities, our broad portfolio of product solutions, and solid execution by our global workforce and channel partners," commented ANSYS President & CEO Jim Cashman.

ANSYS' fourth quarter and full year 2009 financial results are presented below. The non-GAAP results exclude the income statement effects of stock-based compensation, purchase accounting for deferred revenue and acquisition-related amortization of intangible assets. Non-GAAP and GAAP results reflect:

- Total non-GAAP revenue of \$150.6 million in the fourth quarter of 2009 as compared to \$143.3 million in the fourth quarter of 2008; total non-GAAP revenue of \$524.9 million in 2009 as compared to \$493.0 million in 2008; total GAAP revenue of \$150.4 million in the fourth quarter of 2009 as compared to \$135.3 million in the fourth quarter of 2008; total GAAP revenue of \$516.9 million in 2009 as compared to \$478.3 million in 2008;
- A non-GAAP operating profit margin of 51.5% in the fourth quarter of 2009 as compared to 48.8% in

CIMdata PLM Industry Summary

the fourth quarter of 2008; a non-GAAP operating profit margin of 48.9% in 2009 as compared to 47.5% in 2008; a GAAP operating profit margin of 40.1% in the fourth quarter of 2009 as compared to 33.8% in the fourth quarter of 2008; a GAAP operating profit margin of 35.5% in 2009 as compared to 35.5% in 2008;

- Non-GAAP net income (see below) of \$48.9 million in the fourth quarter of 2009 as compared to \$46.6 million in the fourth quarter of 2008; non-GAAP net income of \$163.7 million in 2009 as compared to \$152.4 million in 2008; GAAP net income of \$37.6 million in the fourth quarter of 2009 as compared to GAAP net income of \$31.9 million in the fourth quarter of 2008; GAAP net income of \$116.4 million in 2009 as compared to GAAP net income of \$111.7 million in 2008; and

- Non-GAAP diluted earnings per share (see below) of \$0.53 in the fourth quarter of 2009 as compared to \$0.50 in the fourth quarter of 2008; non-GAAP diluted earnings per share of \$1.78 in 2009 as compared to \$1.76 in 2008; GAAP diluted earnings per share of \$0.41 in the fourth quarter of 2009 as compared to GAAP diluted earnings per share of \$0.34 in the fourth quarter of 2008; GAAP diluted earnings per share of \$1.27 in 2009 as compared to GAAP diluted earnings per share of \$1.29 in 2008.

- Operating cash flows of \$44.9 million in the fourth quarter of 2009 as compared to \$61.7 million in the fourth quarter of 2008; operating cash flows of \$173.7 million for fiscal year 2009 as compared to \$196.7 million for fiscal year 2008.

The GAAP and non-GAAP results discussed above include the following:

- Restructuring charges of \$870,000 (\$560,000 after tax) and \$3.7 million (\$2.4 million after tax) during the fourth quarter and fiscal year 2009, respectively;

- Tax charges of \$2.0 million during the fourth quarter of 2009 related to the repatriation of cash from the Company's international subsidiaries;

- Tax benefits of \$2.0 million during the second quarter of 2009 related to the settlement of tax years previously under audit; and

- Tax benefits of \$2.0 million during the fourth quarter of 2008 related to U.S. research and development activities that occurred during the first nine months of 2008. These amounts were recorded in the fourth quarter of 2008 when the U.S. government approved the related tax credits retroactive to January 1, 2008.

If these items were excluded from the non-GAAP results, the Company's fourth quarter and fiscal year 2009 non-GAAP diluted earnings per share would have been \$0.56 and \$1.81, respectively, and the Company's fourth quarter and fiscal year 2008 non-GAAP diluted earnings per share would have been \$0.48 and \$1.76, respectively.

The Company's GAAP results reflect stock-based compensation charges of approximately \$3.9 million (\$3.1 million after tax) or \$0.03 diluted earnings per share for the fourth quarter of 2009 and approximately \$13.2 million (\$10.5 million after tax) or \$0.11 diluted earnings per share for 2009.

The non-GAAP financial results highlighted above, and the non-GAAP financial outlook for 2010 discussed below, represent non-GAAP financial measures. A reconciliation of these measures to the appropriate GAAP measures, for the three months and twelve months ended December 31, 2009 and 2008, and for the 2010 financial outlook, is included in the condensed financial information included in this release.

"During 2009 we further strengthened our infrastructure, our organization and our technology offerings,

CIMdata PLM Industry Summary

while still being able to deliver profitable growth. Looking ahead, all of the factors driving simulation remain in full force as companies strive to compete with next generation products, and with smarter products that are increasingly energy efficient and productive. While we anticipate ongoing pressure on customer capital spending and some prolonged sales cycles, our long-term enthusiasm for the future remains. With the prospects of global recovery that should strengthen with time, we continue to focus on our vision while operating a business that has demonstrated a fair amount of resiliency to economic uncertainty," stated Mr. Cashman.

Management's 2010 Financial Outlook

The Company has updated its 2010 revenue and earnings per share guidance below. The earnings per share guidance is provided on both a GAAP basis and a non-GAAP basis. Non-GAAP diluted earnings per share excludes charges for stock-based compensation and acquisition-related amortization of intangible assets.

First Quarter 2010 Guidance

The Company currently expects the following for the quarter ending March 31, 2010:

Revenue in the range of \$125.0 - \$131.0 million

GAAP diluted earnings per share of \$0.28 - \$0.32

Non-GAAP diluted earnings per share of \$0.40 - \$0.43

Fiscal Year 2010 Outlook

The Company currently expects the following for the fiscal year ending December 31, 2010:

Revenue in the range of \$550.0 - \$575.0 million

GAAP diluted earnings per share of \$1.34 - \$1.47

Non-GAAP diluted earnings per share of \$1.84 - \$1.93

These statements are forward-looking and actual results may differ materially. ANSYS is unable to predict the likely duration and severity of the current disruption in the domestic and global economies. Should these economic conditions continue to deteriorate further, it could result in ANSYS not meeting the guidance provided above and ANSYS' operating results and financial performance could be adversely affected. Non-GAAP diluted earnings per share is a supplemental financial measure and should not be considered as a substitute for, or superior to, diluted earnings per share determined in accordance with GAAP.

Conference Call Information

ANSYS will hold a conference call at 10:30 a.m. Eastern Time on February 25, 2010 to discuss fourth quarter and YTD 2009 results. The call will be recorded and a replay will be available approximately one hour after the call ends. The replay will be available for ten days by dialing 877-344-7529 (US), or 412-317-0088 (Canada and Int'l) and entering the passcode 437272. The archived webcast can be accessed, along with other financial information, on ANSYS' website at <http://investors.ansys.com>.

 [Click here to return to Contents](#)

Autodesk Posts Sequential Revenue, Profitability and Cash Flow Growth

23 February 2010

CIMdata PLM Industry Summary

- Revenue of \$456 million up 9% sequentially
- GAAP EPS of \$0.21 up 62% sequentially
- Non-GAAP EPS of \$0.30 up 11% sequentially

Autodesk, Inc. reported financial results for the fourth quarter and full year fiscal 2010.

Fourth Quarter Fiscal 2010

- Revenue was \$456 million, an increase of 9 percent sequentially and a decrease of 7 percent compared to the fourth quarter of fiscal 2009.
- On a GAAP basis, diluted earnings per share were \$0.21, compared to diluted earnings per share of \$0.13 in the third quarter of fiscal 2010, and diluted loss per share of \$0.47 in the fourth quarter of fiscal 2009.
- On a non-GAAP basis, diluted earnings per share were \$0.30, compared to non-GAAP diluted earnings per share of \$0.27 in the third quarter of fiscal 2010, and non-GAAP diluted earnings per share of \$0.31 in the fourth quarter of fiscal 2009. A reconciliation of GAAP and non-GAAP results is provided in the accompanying tables.
- Cash flow from operations was \$126 million, an increase of 169 percent sequentially and 45 percent compared to the fourth quarter of fiscal 2009.

“We finished the year with better than anticipated revenue and profitability in the fourth quarter,” said Carl Bass, Autodesk president and CEO. “These results were driven by a sequentially improving demand environment and continued competitive displacements. In addition to our focus on growth, cost containment contributed to our performance.”

Driving the performance in revenue and profitability were sequential increases in revenue from commercial new seat licenses, revenue from every Geography, revenue from each product type, as well as revenue from our Manufacturing, AEC, and Platform Solutions and Emerging Business segments.

Fourth Quarter Operational Overview

EMEA revenue increased 18 percent sequentially as reported and 15 percent on a constant currency basis to \$188 million. EMEA revenue decreased 14 percent compared to the fourth quarter of fiscal 2009 as reported and 22 percent on a constant currency basis. Revenue in the Americas increased 3 percent sequentially to \$168 million and decreased 2 percent compared to the fourth quarter of fiscal 2009. Revenue in Asia Pacific was \$100 million, an increase of 6 percent sequentially as reported and 4 percent on a constant currency basis. Revenue in Asia Pacific increased 1 percent compared to the fourth quarter of fiscal 2009 as reported and decreased 4 percent on a constant currency basis.

Revenue from emerging economies was \$73 million, an increase of 18 percent sequentially as reported and 16 percent on a constant currency basis. Revenue from emerging economies decreased 8 percent compared to the fourth quarter of fiscal 2009 as reported and 12 percent on a constant currency basis. Revenue from emerging economies represented 16 percent of total revenue in the fourth quarter.

Combined revenue from Autodesk's 3D model-based design solutions was \$134 million, an increase of 10 percent sequentially and a decline of 7 percent compared to the fourth quarter of fiscal 2009. Revenue from 2D horizontal and 2D vertical products was \$213 million, a 13 percent increase sequentially and 8 percent decrease compared to the fourth quarter of fiscal 2009.

Combined revenue from our AutoCAD and AutoCAD LT products increased 9 percent sequentially and

CIMdata PLM Industry Summary

decreased 9 percent compared to the fourth quarter last year. Cash flow from operations was \$126 million in the fourth quarter bringing our cash and investments balance to over \$1.1 billion, or cash and investments of approximately \$4.92 per share of common stock outstanding.

Full Year Fiscal 2010

- Revenue was \$1.7 billion, a decrease of 26 percent compared to fiscal 2009.
- On a GAAP basis, diluted earnings per share were \$0.25, compared to diluted earnings per share of \$0.80 in fiscal 2009.
- On a non-GAAP basis, diluted earnings per share were \$0.99, compared to non-GAAP diluted earnings per share of \$1.95 in fiscal 2009.
- Cash flow from operations was \$247 million, a decrease of 58 percent compared to fiscal 2009.

GAAP total spend (GAAP cost of revenue plus GAAP operating expenses) decreased by \$423 million, or 20 percent compared to fiscal 2009.

- Non-GAAP total spend (non-GAAP cost of revenue plus non-GAAP operating expenses) decreased by \$312 million, or 18 percent compared to fiscal 2009.

“Fiscal 2010 was a challenging year by any measure,” continued Bass. “We took action to significantly reduce our cost structure and increase our efficiency. As a result, we greatly exceeded our initial goal of pre-tax cost savings of \$250 million. Those actions, and our continued investments in essential parts of our business, helped strengthen Autodesk and position the company for long-term growth and success. Going forward, we will continue to build on our foundation as a world leader in design, engineering, and entertainment software.”

Business Outlook

The following are forward-looking statements that are based on current expectations that involve risks and uncertainties, some of which are set forth below.

First Quarter Fiscal 2011

For the first quarter of fiscal 2011, Autodesk expects revenue to be in the range of \$420 million to \$440 million. On a GAAP basis, earnings per diluted share are expected to be in the range of \$0.02 and \$0.07. On a non-GAAP basis, earnings per diluted share are expected to be in the range of \$0.18 and \$0.23, excluding \$0.08 related to stock-based compensation expense, \$0.05 for amortization of acquisition related intangibles, and \$0.03 related to restructuring charges. First quarter outlook assumes an effective tax rate of 27 percent. The increase in the tax rates from fiscal 2010 is primarily due to expiration of a research and development tax credit.

Full Year Fiscal 2011

Autodesk is not providing specific revenue or EPS guidance for fiscal 2011 at this time. However, operating margin on a GAAP basis for the full year fiscal 2011 is expected to increase significantly compared to fiscal 2010. Autodesk continues to anticipate modest improvement in non-GAAP operating margin for full year fiscal 2011 compared to fiscal 2010. For fiscal 2011, non-GAAP operating margin excludes stock-based compensation expense, amortization of acquisition related intangibles, and restructuring related charges.

Earnings Conference Call and Webcast

CIMdata PLM Industry Summary

Autodesk will host its fourth quarter conference call today at 5:00 p.m. EST (2:00 p.m. PST).

NOTE: The prepared remarks will not be read on the conference call. The conference call will include only brief remarks followed by questions and answers.

A replay of the broadcast will be available at 7:00 pm EST at <http://www.autodesk.com/investors>. This replay will be maintained on our Website for at least twelve months.

Further information on potential factors that could affect the financial results of Autodesk are included in Autodesk's reports on Form 10-K for the year ended January 31, 2009 and Forms 10-Q for the quarters ended April 30, 2009, July 31, 2009, and October 31, 2009, which are on file with the U.S. Securities and Exchange Commission. Autodesk does not assume any obligation to update the forward-looking statements provided to reflect events that occur or circumstances that exist after the date on which they were made.

 [Click here to return to Contents](#)

Autodesk, Inc. Fiscal Fourth Quarter 2010 Earnings Announcement February 23, 2010 Prepared Remarks

23 February 2010

Autodesk is posting a copy of prepared remarks in combination with its [press release](#) to its investor Website. These prepared remarks are offered to provide shareholders and analysts with additional time and detail for analyzing our results in advance of our quarterly conference call. As previously scheduled, the conference call will begin today, February 23, 2010 at 2:00 pm PST (5:00 pm EST) and will include only brief comments followed by questions and answers. These prepared remarks will not be read on the call.

To access the full text of these remarks, please click [here](#).

 [Click here to return to Contents](#)

Centric Software Posts Impressive Growth in Fiscal 2010

25 February 2010

In spite of a difficult year for IT spending and business investment, [Centric](#) ended its fiscal 2010 on January 31 with impressive year-over-year gains in sales, coupled with a host of strategic achievements.

Centric representatives spoke repeatedly throughout 2009 on a "Leaders Lead" theme, about the need for companies to invest strategically to emerge stronger as the economy recovers. Many of Centric's customers adopted this strategy and made Centric product offerings key investments during the year. This resulted in another record year. And Centric heeded its own advice, with significant investments in new product introductions, technical advances, and successful customer initiatives.

"Our focus this year was to stay close to our customers, understand the issues they faced, and provide solutions that enabled them to weather the economic conditions, and emerge stronger and more competitive as their business conditions improve," said Chris Groves, president and CEO at Centric. "The strategy paid off. We were able to build on our record performance of the prior year, and grow sales by over 40% in target markets."

Sales Growth

CIMdata PLM Industry Summary

Centric posted over 40% annual increase in sales in fiscal 2010 over last year's record performance.

- Customers with hard lines, soft lines or both in the apparel and fast moving consumer goods markets voted their confidence in Centric 8, the company's comprehensive, web-based product lifecycle management (PLM) and sourcing solution. New or add-on orders were placed by companies including Arden Companies, BassPro Shops, Bravo Sports, Charlotte Russe Holding, Colmar - Manifattura Mario Colombo and Company, Dorel Juvenile Group, INTERSPORT France, Klim USA, The Coleman Company and more.

- Customers in the automotive, pharmaceutical, construction and building, and education industries placed new or expansion orders for Centric Project and other Centric solutions that manage complex product or process data for large teams. Significant orders were placed by companies including Kiewit, Johnson and Johnson, Bristol Meyer Squibb and Princeton University.

Product Initiatives

Centric product investment delivered innovation for both the Centric 8 PLM and sourcing suite, and the Centric Project family of products.

Centric 8 - A new version of Centric 8 PLM and sourcing suite for apparel and fast moving consumer goods companies was launched. It incorporated significant new capabilities to help customers reduce product costs, closely monitor product gross margins, improve collaboration among global design teams, suppliers and partners, and manage top-down/bottoms-up line planning and profitability alignment. Among the new features and enhancements in Centric 8:

- New Product Profitability Planning** module that factors all aspects of contribution margin into planning and managing a product's profitability, across development, sales channels and suppliers, and ensures products meet margin targets before they launch.

- Enhanced Centric Product Specification module** that delivers stronger materials management, storyboard and other capabilities to improve collaboration for global product development teams.

- Improved Enterprise Connectivity** with all new, robust connectors to systems often used by design teams, including Adobe Creative Suite® and Gerber Technology WebPDM™.

- New Centric Enterprise Search** - provides dynamic classification of search results, and extends search and discovery to information outside of the Centric 8 suite so users can easily find data housed in other systems, bring that information into Centric 8, and make better, more informed decisions.

Centric Project - The Centric Project family of products was revamped.

- An innovative and modern, thin-client interface was introduced. As a result, users were presented with a friendlier, easier to use interface that helps them achieve significant productivity improvements as global team members collaborate in Centric Project's online project management workspace to assure project success.

- New Centric Project Enterprise Search** - provides dynamic classification of search results, and extends search and discovery to information outside of Centric Project.

Other Initiatives and Achievements

- Centric's inaugural Customer Advisory Board meeting was held in New York in the fall, and attended by customers in the retail, fashion and consumer goods markets.

- The U. S. Patent Office awarded a patent titled "Managing and Unifying Structured Representations of

CIMdata PLM Industry Summary

Product Information" to Centric. The patent recognizes a unique business method which enables products to be delivered more quickly and more efficiently in a multi-group setting, with fewer errors, and at lower costs and desired level of re-use.

•Centric implemented a best-practices based implementation methodology to help customers in the apparel and fast moving consumer goods industries realize rapid deployment and return on technology investment.

 [Click here to return to Contents](#)

Cimatron Reports Non-GAAP Net Profit of \$1 Million in the Fourth Quarter of 2009

22 February 2010

Cimatron Limited ("Cimatron" or the "Company") announced financial results for the fourth quarter and full year 2009.

The following provides details on Cimatron's GAAP and non-GAAP results for the fourth quarter and full year 2009:

GAAP:

Revenues for the fourth quarter of 2009 were \$9.8 million, compared to \$10.4 million recorded in the fourth quarter of 2008. In the full year ended December 31, 2009, revenues were \$33 million, compared to \$41 million in 2008.

Gross Profit for the fourth quarter of 2009 was \$8 million as compared to \$8.3 million for the same period in 2008. Gross margin in the fourth quarter of 2009 was 82% of revenues, compared to a gross margin of 79% in the fourth quarter of 2008. In 2009, gross profit was \$26.8 million, compared to \$33.2 million in 2008. Gross margin in 2009 constituted 81% of revenues, reflecting no change relative to 2008.

Operating Profit in the fourth quarter of 2009 was \$773 thousand, compared to an operating profit of \$652 thousand in the fourth quarter of 2008. In 2009, Cimatron recorded an operating loss of \$(957) thousand, compared to an operating profit of \$526 thousand in 2008.

Net Profit for the fourth quarter of 2009 was \$1.4 million, or \$0.15 per diluted share, compared to a net profit of \$706 thousand, or \$0.08 per diluted share recorded for the same quarter of 2008.

In 2009, net profit was \$14 thousand, or \$0.00 per diluted share, compared to a net profit of \$724 thousand, or \$0.08 per diluted share, in 2008.

Non-GAAP:

Revenues on a non-GAAP basis for the fourth quarter of 2009 were \$9.8 million, compared to \$10.5 million recorded for the fourth quarter of 2008. In the full year ended December 31, 2009, revenues were \$33 million, compared to \$41.8 million in 2008.

Gross Profit on a non-GAAP basis for the fourth quarter of 2009 was \$8.2 million as compared to \$8.5 million for the same period in 2008. Gross margin in the fourth quarter of 2009 was 84% of revenues, compared to 81% in the fourth quarter of 2008. In 2009, gross profit on a non-GAAP basis was \$27.4 million, compared to \$34.6 million in 2008. Gross margin on a non-GAAP basis in 2009 constituted 83% of revenues, reflecting no change relative to 2008.

CIMdata PLM Industry Summary

Operating Profit on a non-GAAP basis in the fourth quarter of 2009 was \$1 million, compared to an operating profit of \$977 thousand in the fourth quarter of 2008. In 2009, Cimatron recorded an operating profit of \$31 thousand, compared to operating profit of \$2.3 million in 2008.

Net Profit on a non-GAAP basis for the fourth quarter of 2009 was \$955 thousand, or \$0.10 per diluted share, compared to net profit of \$553 thousand, or \$0.06 per diluted share recorded in the same quarter of 2008. In 2009, net profit was \$46 thousand, or \$0.01 per diluted share, compared to net profit of \$2.2 million, or \$0.23 per diluted share, in 2008.

Commenting on the results, Danny Haran, President and Chief Executive Officer of Cimatron, said "We are very pleased with the fourth quarter results. The combination of higher revenues (relative to previous quarters in 2009) and continued tight budget control has resulted in a strong bottom line in the fourth quarter, and positive cash flow for the entire year. 2009 was one of the toughest years for our industry, ever. In spite of a steep drop in global demand, we were able to generate a significant amount of cash in 2009, and even show small non-GAAP operating and net profits for the year. We are confident that our strong market position, strong balance sheet, and healthy cash reserves, together with continued investment in marketing and product development, will help us take advantage of new business opportunities. We are witnessing some signs of market recovery, and look forward to a hopefully less turbulent 2010", concluded Mr. Haran.

Conference Call

Cimatron's management will host a conference call tomorrow, February 23rd, 2010 at 9:00 EST, 16:00 Israel time.

For those unable to listen to the live call, a replay of the call will be available from the day after the call at the investor relations section of Cimatron's website, at: <http://www.cimatron.com>

 [Click here to return to Contents](#)

Magma Reports Revenue of \$31.0 Million for Third Quarter -- Exceeds All Financial Guidance

25 February 2010

Magma® Design Automation Inc. reported revenue of \$31.0 million for its fiscal 2010 third quarter ended Jan. 31, 2010, above the company's guidance range of \$29.5 million to \$30.0 million. Third-quarter revenue increased 1 percent from the \$30.7 million reported for the year-ago third quarter ended Feb. 1, 2009.

"Magma performed very well in the third quarter, continuing a string of quarters where we beat our revenue guidance and generated cash," said Rajeev Madhavan, Magma chairman and CEO. "Our products in physical verification, circuit simulation and analog/mixed-signal design are showing good momentum that we believe position us for significant bookings growth."

GAAP Results

In accordance with generally accepted accounting principles (GAAP), Magma reported a net loss of \$(2.6) million, or \$(0.05) per share (basic and diluted), for the third quarter, compared to a net loss of \$(77.8) million, or \$(1.72) per share (basic and diluted), for the year-ago third quarter.

Non-GAAP Results

Magma's non-GAAP net income was \$2.0 million for the third quarter, or \$0.04 per share (basic and

CIMdata PLM Industry Summary

diluted), which compares to a non-GAAP net loss of \$(4.3) million, or \$(0.09) per share (basic and diluted), for the year-ago third quarter.

Non-GAAP net income for the third quarter of fiscal 2010 excludes the effects of amortization of developed technology, amortization of intangible assets, amortization of stock-based compensation, amortization of debt issuance costs, debt discount and premium accretion, charges associated with losses on equity investments and other investments, restructuring charges and the related provision for income taxes. Non-GAAP net loss for the third quarter of fiscal 2009 excludes the effects of amortization of developed technology, amortization of intangible assets, amortization of deferred stock-based compensation, amortization of debt issuance costs, debt discount accretion, charges associated with losses on equity investments, restructuring charges, asset impairment charges, acquisition-related expenses and the related provision for income taxes. A reconciliation of our non-GAAP results to GAAP results is included in this press release.

In the third quarter of fiscal 2010, Magma generated cash flow from operations of approximately \$4.0 million.

Business Outlook

For Magma's fiscal 2010 fourth quarter, ending May 2, 2010, the company expects total revenue in the range of \$32.5 million to \$33.0 million. GAAP net loss per share is expected to be in the range of \$(0.09) to \$(0.08) and non-GAAP earnings per share (EPS) are expected to be in the range of \$0.03 to \$0.04. For Magma's fiscal year 2010, ending May 2, 2010, the company expects total revenue in the range of \$122.0 million to \$122.5 million, compared to the previous guidance range of \$120.0 million to \$125.0 million. A Financial Data Supplement containing additional fourth quarter and full fiscal year 2010 guidance, as well as detailed financial information intended to provide guidance and further insight into our business, is available online in the Investor Relations section of the Magma website.

GAAP Reconciliation

Magma provides non-GAAP financial information to assist investors in assessing its current and future operations in the way that Magma's management evaluates those operations. Magma believes that this non-GAAP information provides useful information to investors by excluding the effect of some expenses that are required to be recorded under GAAP but that Magma believes are not indicative of Magma's core operating results, or that are expected to be incurred over a limited period of time.

Magma's management evaluates and makes operating decisions about its business operations primarily based on bookings, revenue and the core costs of those business operations. Management believes that the amortization of developed technology, amortization of intangible assets, stock-based compensation, amortization of debt issuance costs, debt discount and premium accretion, charges associated with losses on equity investments and other investments, restructuring charges, asset impairment charges, acquisition-related expenses and the related provision for income taxes, and other significant unusual items are not operating costs of its core software and service business operations. Therefore, management presents non-GAAP financial measures, along with GAAP measures, in this earnings release by excluding these items from the period expenses. The income statement line items affected are as follows: (1) cost of revenue, licenses; (2) cost of revenue, bundled licenses and services; (3) cost of revenue, services; (4) operating expenses, research and development; (5) operating expenses, sales and marketing; (6) operating expenses, general and administrative; (7) operating expenses, amortization of intangible assets; (8) operating expenses, restructuring charge; (9) interest expense; (10) valuation gain (loss), net; (11) other income (expense), net; (12) provision for income taxes and (13) net income (loss)

per share.

For each such non-GAAP financial measure, the adjustment provides management with information about Magma's underlying operating performance that enables a more meaningful comparison of its financial results in different reporting periods. For example, since Magma does not acquire businesses on a predictable cycle, management excludes acquisition-related charges, such as in-process research and development charges, to make more consistent and meaningful evaluations of Magma's operating expenses. Similarly, since Magma does not undertake significant restructuring or realignments on a predictable cycle, management would have difficulty evaluating Magma's profitability as measured by gross profit, operating profit, income before taxes and net income on a period-to-period basis unless it excluded these charges. Management also uses these measures to help it make budgeting decisions between those expenses that affect operating expenses and operating margin (such as research and development, sales and marketing, and general and administrative expenses), and those expenses that affect cost of revenue and gross margin (such as product development expenses).

Further, the availability of non-GAAP financial information helps management track actual performance relative to financial targets, including both internal targets and publicly announced targets. Making this non-GAAP financial information available also helps investors compare Magma's performance with the announced operating results of its principal competitors, which regularly provide similar non-GAAP financial information.

Management recognizes that the use of these non-GAAP measures has limitations, including the fact that management must exercise judgment in determining whether some types of charges, such as stock-based compensation relating to stock grants and acquisition-related charges, should be excluded from non-GAAP financial measures. Management believes, however, that providing this non-GAAP financial information facilitates consistent comparison of Magma's financial performance over time. Magma has historically provided non-GAAP results to the investment community, not as an alternative but as a supplement to GAAP information, to enable investors to evaluate Magma's core operating performance in the way that management does.

Conference Call

Magma will discuss the financial results for the recently completed quarter, along with forward-looking guidance, during a live earnings call today at 2 p.m. PST, available live by both webcast and telephone.

Following completion of the call, a webcast replay of the call will be available at <http://investor.magma-da.com/medialist.cfm> through March 4, 2010. Those without Internet access may listen to a replay of the call by telephone until 11:59 p.m. PST on March 4, 2010 by calling:

U.S. & Canada: (888) 203-1112, code #7476916

Elsewhere: (719) 457-0820, code #7476916

Unabridged press release with financial tables is available [here](#).

 [Click here to return to Contents](#)

Nemetschek Exceeds Profit Expectations

18 February 2010

During the crisis year 2009, Nemetschek AG managed to increase the operative margin despite a drop in revenues: according to preliminary figures the operating result (EBITDA) amounts to 30.4 million euros

and thus exceeds analyst expectations by 10 percent.

During the course of the economic crisis, sales revenues in 2009 dropped by 10 percent from 150.4 million euros to 135.6 million euros as forecast. The reason for this development in revenues in the past fiscal year was the drop in revenues from 80.8 million euros to 64.3 million euros in license sales while the revenues from maintenance contracts actually increased by 5 percent to 62.0 million euros. The group's foreign markets in particular were affected by the crisis, with a drop in sales revenues from 93.0 million euros to 77.3 million euros; in Germany, sales revenues increased slightly from 57.4 million euros to 58.3 million euros.

Notwithstanding the drop in sales revenues the group's earnings before interest, taxes, depreciation and amortization (EBITDA) amounts to 30.4 million euros, which is only marginally less than the previous year's figure (31.4 million euros). This corresponds to an EBITDA margin of 22 percent, up from 21 percent in 2008, and is attributable to consistent cost management in all areas of the group. According to the preliminary figures the group earnings before interest and taxes (EBIT) amount to 20.9 million euros and are at the same level as the previous year (21.0 million euros). As a result of fewer interest expenses, the net income (consolidated shares) is expected to rise from 10.4 million euros to 12.2 million euros.

The cash flow for the period amounted to 28.6 million euros, after 29.9 million euros in 2008. The cash flow from operating activities dropped from 30.4 to 23.5 million euros. The reason for this is the reduction in liabilities. With liquid assets of 22.9 million euros (previous year: 23.2 million euros) the group's current net debt is 9.3 million euros after 26.1 million euros at the end of 2008. In total, over a period of three years, Nemetschek has repaid 67.8 million euros of the bank loan of 100 million euros taken to finance the acquisition of Graphisoft. The equity ratio increased in from 41 percent in 2008 to 50 percent in 2009.

The complete annual report 2009 will be published on March 24, 2010.

 [Click here to return to Contents](#)

Implementation Investments

Anchorage Municipal Light & Power Selects Autodesk Topobase to Improve Network Records Management

23 February 2010

[Autodesk, Inc.](#) announced Municipal Light & Power (ML&P), Anchorage AK will extend their use of Autodesk utility solutions by adding [Autodesk Topobase](#) software to improve process efficiencies for managing critical design and as-built records. Autodesk Topobase provides a centralized repository for design and as-built records, improving the quality and accessibility of information about the utility's network assets.

With Autodesk Topobase in place, Anchorage ML&P will be able to bring together design and as-built network data created in Autodesk Utility Design (AUD) software with data from its property records and financial systems. This integration will help reduce data conversions and silos, and make more accurate spatial data accessible throughout the utility, driving better planning decisions and operating efficiencies.

Municipal Light & Power

CIMdata PLM Industry Summary

Servicing an area of 19.9 square miles, Anchorage ML&P provides electric power to a large portion of the commercial and high-density residential areas of Anchorage, and also provides power to two military bases. In addition to delivering reliable services to customers, Anchorage ML&P must perform an annual voltage profile study of its distribution network, reporting to the Regulatory Commission of Alaska. Currently, data for this study is extracted from their legacy Continuing Property Records Management System, but soon Autodesk Topobase software will help to automate the process.

“Automating our annual feeder load study is a good example of how Topobase will help improve our planning processes and help contain costs,” said Ray Pearce, GIS Project Manager/Engineering Support Supervisor at Anchorage ML&P. “Topobase gives us the tools to bring together CAD designs, as-built records, and GIS data. With that consolidated view, we can effectively manage asset lifecycles, streamline and increase operational efficiency and reliability, and perform feeder load studies more efficiently.”

Centralizing and Managing Utility Information

Anchorage ML&P employs Autodesk solutions that are purpose-built for utilities and that fit into the utility’s workflow. In addition, Autodesk has provided consulting services to help further streamline the utility’s processes from gathering legacy system data to sharing project information with teams throughout the company. For instance, using Autodesk Utility Design software for distribution design allows Anchorage ML&P to more easily generate material orders, estimate project costs, and track when drawings are assigned, approved, sent for construction, and finally when the as-built has been completed. [AutoCAD Map 3D](#) software is used to update the utility’s grid maps and produce construction drawings.

Extending the benefits of integration beyond design-based processes, ML&P will integrate Topobase with a new financial system, [PowerPlant](#) by PowerPlan Consultants, and billing system, [Utility PowerNet](#) by Southeastern Data Cooperative. This will establish a core network connectivity model that includes interactive network tracing, and thematic network representation. As an open, more flexible solution, Topobase software can serve as a foundation for future growth.

“Our approach at Autodesk is to provide our utility customers with a single model of network assets that integrates design and as-built records,” said Alan Saunders, senior industry manager, utilities, at Autodesk. “Topobase data is available to other essential systems to make it easier to plan, design, and manage utility infrastructure. This enables better analysis, decisions, and reporting – all critical in today’s utility environment.”

 [Click here to return to Contents](#)

Anshen + Allen Uses ArchiCAD to Transform Shipping Containers into Clinics for the Developing World

22 February 2010

In a pro bono effort to help increase health-care access in developing countries worldwide, San Francisco architecture firm [Anshen + Allen](#) is using [ArchiCAD](#) building information modeling (BIM) software to transform run-of-the-mill shipping containers into rapid-deployment health clinics.

Anshen + Allen is an international leader in the design of healthcare, academic and research buildings, with a conviction that “good design can transform lives.” The firm’s client is Containers to Clinics (C2C), a non-profit organization committed to delivering primary health care to women and children in

CIMdata PLM Industry Summary

underserved areas of the developing world. Anshen + Allen architects started its design with two empty 8-foot-by-20-foot containers and created two modern exam/consultation spaces, a laboratory and a pharmacy.

“Space, heat, hygiene and security were our main design challenges,” said Mali Ouzts, lead designer for Anshen + Allen. “GRAPHISOFT’s ArchiCAD helped us visualize alternatives, explore them virtually, collaborate with the client, make sound design decisions, and complete a prototype in a matter of a few weeks. The project took just one-third of the time that it would have if we had used two-dimensional software. The final design is an ultra-efficient use of space and resources.”

Spearheading the project and consulting on the final design was Elizabeth Sheehan, C2C executive director, who has devoted her career to medical care for women and children in the developing world. She has worked as a physician’s assistant in clinics and hospitals in Cambodia, India, Tibet, Nepal and several countries in Africa.

The final clinic design includes examination beds, ample ventilation, insulation to retain cool air, and a false wall with an automatically locking door, enabling the clinic to revert to a locked-down container during off hours. Anshen + Allen relied heavily on ArchiCAD material, profile, window and rendering tools.

The first clinic is scheduled to be shipped to the Dominican Republic and will be installed in a rural community 90 minutes outside of Santo Domingo. As with all the container clinics, it will be a fully functional health facility with medicines and will be locally staffed to ensure integration with the local culture. The containers are easily shipped by sea and on flatbed trucks. C2C is also actively working to help Haiti in the wake of its devastating January 12 earthquake.

About [Anshen + Allen](#)

Anshen + Allen is an international architectural practice dedicated to the design of healthcare, academic and research buildings.

 [Click here to return to Contents](#)

Carestream Health Selects Aras as Enterprise PLM Backbone for Product Level Information Replacing Outdated Global Legacy PLM System

26 February 2010

Aras® announced that Carestream Health, Inc., an international leader in medical and dental imaging systems, molecular imaging systems and non-destructive testing products, has selected the Aras Innovator suite as their enterprise PLM backbone for product level Information worldwide. Aras replaces an outdated and highly customized implementation of Dassault’s ENOVIA MatrixOne and a collection of third party and internal legacy systems, providing Carestream Health with advanced PLM functionality and a modern Microsoft-based platform for global product development and supply chain integration for improved collaboration.

Carestream Health will deploy the Aras enterprise PLM software in a series of phases, providing a Product Level Information backbone for global product commercialization processes and supplier collaboration worldwide. Aras will be rolled out in support of global product development over time to more than 3,000 global users and supporting suppliers in the U.S., Canada, China, Israel and France.

“We wanted a single enterprise PLM backbone for engineering, quality and regulatory compliance,

CIMdata PLM Industry Summary

tightly integrated with SAP,” said David Sherburne, Leader of Global R&D Effectiveness and champion for this initiative at Carestream Health. “Our legacy platform was built a long time ago and we knew we didn’t have the functionality required for the future; it was time to carefully look at our options. We required a rapidly deployable solution coupled with a sustainable cost model. When compared to other PLM suppliers, Aras offered a solution unique to the industry.”

“We’re a progressive company and we want to work with other forward-thinking companies who can help us eliminate organizational silos and increase collaborative development to achieve a competitive advantage in the marketplace,” said Bruce Leidal, CIO at [Carestream](#) Health. “In switching to Aras we now have a highly capable, global PLM platform that will allow us to consolidate other systems at will, increasing reuse and improving collaboration without continual capital investment in PLM licenses.”

“Carestream Health is a creative, dynamic company that needed to upgrade its PLM systems,” said Peter Schroer, President of Aras. “We’re eager to bring them Aras—a powerful solution that will drive improvements across the board and provide the entire Carestream Health team with a PLM platform for the future.”

Aras Innovator is the only PLM solution based on an enterprise open source business model and powered by advanced model-based SOA technology. Aras’s architectural approach and comprehensive out-of-the-box functionality ensure that customers can deploy quickly and iteratively adapt their PLM environment in a fraction of the time required by conventional enterprise PLM/PDM systems. Aras delivers highly scalable, flexible and secure PLM solutions across a full spectrum of product development, supply chain, sales, quality and manufacturing applications. For more information visit <http://www.aras.com>

 [Click here to return to Contents](#)

Catalog Data Solutions Inc Selected by Rockford Linear Motion Inc for Online CAD Downloads, Catalog and eCommerce Solution

23 February 2010

Catalog Data Solutions ([CDS](#)) announced that Rockford Linear Motion, LLC. has selected its online CAD download <http://www.catalogdatasolutions.com/CDS_Model-Server.htm> , catalog and eCommerce <http://www.catalogdatasolutions.com/CDS_Catalog.htm> solution to present and aid online selection of products online. Try the solution at <http://www.rockfordlinearmotion.com/>

Rockford Linear Motion, LLC. manufactures precision linear motion products. “Our product range is wide and diverse – adding a digitally searchable catalog and CAD model downloads to our new web site will save our customers time in selecting and including our products within their designs,” said Rick Sonneson, Vice President of [Rockford Linear Motion, LLC.](#) “As a result we expect to see an increase in the number of online leads, RFQs and sales.”

“We are delighted to have been selected by Rockford Linear Motion for our leading online CAD download, catalog and eCommerce solution”, said John Major, CEO Catalog Data Solutions. “Studies show that over 90% of designers and engineers now use the Internet to locate components for their new designs, therefore parametric product search and downloadable CAD models are vital sales and marketing tools for industrial suppliers and distributors. With many customers moving from 2D to 3D CAD systems, providing online 3D CAD model downloads saves customers time and often ‘locks’ products into a design. Conversely suppliers without 3D models on their website are at risk of losing customers to their competition who do offer 3D models”.

CIMdata PLM Industry Summary

Catalog Data Solutions helps industrial suppliers and distributors grow sales and strengthen customer loyalty through interactive online catalogs, ecommerce, 3D CAD model delivery and product configurator solutions.

 [Click here to return to Contents](#)

Designers Rely on KOMPAS-3D both for Work and Creativity

24 February 2010

ASCON Group, one of the leading developer of CAD/AEC/PLM solutions, presents successful usage results of KOMPAS-3D by Robson Yuri, Flexonews Editora Ltda.

Many engineers and designers are so keen on modelling, that they apply their talents not only at work, but also for leisure time. Based in São Paulo, Brazil, Robson Yuri is one of them. Mr. Yuri is a designer with six years experience. He is working in Flexonews Editora Ltda as production engineer and press technician. The company offers labels converting, labeling and packings, as well as design parts and accessories. Flexonews serves the engineering sector of the machines manufacturing companies in Brazil. “When we think about a parametric software, we usually imagine complex devices, great constructions, machines with many details, aircrafts and many other products. Of course, it is so, but we must remember, that everything in the universe starts with very small - an atom, cell or fragment. This also occurs in drawing of great and complex structures. In contrast of many people think, parametric software KOMPAS-3D is applicable not only for professional engineering work, but also for design things to be used in our day-by-day life”, - said Mr. Yuri.

Small and practical devices can be created by using just few parts and solids for revolving or drawing. To design “Step machine” for himself, Mr. Yuri relies on professional Mechanical Computer-Aided Design solution, KOMPAS-3D V10. “In this project I used KOMPAS-3D as tool to manufacture Gym machine used in gyms and at home” - mentioned Mr. Yuri - “I’ve started with a small solids of revolution or extrude, sheet body and some perforations. In other words - “sculpturing” the solid until getting the parts of the project”.

During the project Mr. Yuri used not only basic functional of the classical 3D modeller, but also special add-ons and applications for KOMPAS-3D, such as Steel Structures 3D (for creating parts of the chassis of the machine), sheet-metal tool (for bases of setting gangorra and feet) and catalogue of standard parts - TraceParts (for not designing of washers, nuts or screws). Few nuts-and-bolts (which are available in any building material store) were used to produce the real product.

KOMPAS-3D provides powerful functionality for far less money than its analogues. A good example is the affordable project that Robson Yuri has designed fast and professionally. “KOMPAS is a wonderful tool, versatile, practical and what is also very important – not as expensive as similar level MCAD solutions, so KOMPAS-3D is a very good software - both for work and creativity” - claimed Mr. Yuri.

See the result of this project at <http://www.youtube.com/watch?v=gGwrb4z0-bM&feature=channel>

More information about Flexonews Editora Ltda at <http://www.flexonews.com.br>,
<http://www.planetamecanico.com.br>

More information about ASCON and KOMPAS-3D at <http://www.ascon.net>

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Kaman Anticipates Cutting Ply Development Time for Composite Helicopter Blades by Almost 80% with FiberSIM® Software

23 February 2010

[VISTAGY, Inc.](#) announced that [Kaman Helicopters](#), a division of Kaman Aerospace Corporation has entered into an agreement to license [FiberSIM®](#) composites engineering software. The software will be used to streamline the design-to-manufacturing process for large composite helicopter blades by providing early visibility into producibility challenges and facilitating a smooth hand-off of composite manufacturing data to the shop floor.

Based upon an extensive evaluation, Kaman estimates that FiberSIM will enable the firm to reduce ply development time from 180 to 40 hours, a savings of 78 percent, and average part layup time from 32 to 20 hours, a savings of 38 percent.

Kaman Helicopters, which is an OEM and provider of rotor blades and major subcontract assemblies, components and detail parts, will leverage VISTAGY's industry-leading composites expertise by employing its professional services organization to help develop and implement best practices for standardizing composites development processes. Kaman Helicopters is using FiberSIM within its Siemens [NX computer-aided-design \(CAD\) system](#). FiberSIM is completely integrated into major 3D commercial CAD systems to provide powerful functionality specifically for developing products made of advanced composite materials.

Kaman Helicopters selected FiberSIM because defining ply flat patterns for each ply in a composite design was simply taking too much time. By implementing FiberSIM, the firm expects to significantly reduce the hours required for ply development and layup, streamline its manufacturing process, and eventually eliminate the use of Mylar patterns. Kaman Helicopters is using the software to define flat patterns as well as generate data to drives its laser projection system. Two different suppliers of laser projection equipment recommended VISTAGY to Kaman Helicopters.

“Working with composites is extremely time-consuming and tedious,” said Tim Bates, general manager of Kaman Helicopters’ Blade Center of Excellence and Subcontract Product Group. “By adopting FiberSIM, we expect to be able to automate non-value added tasks to achieve significant productivity gains, improve overall part quality and repeatability and increase our throughput. VISTAGY’s role as the leader in composites engineering for aerospace was also a critical factor in our decision to work with them.”

“We’re pleased to be working with one of the leading suppliers to the helicopter industry,” said Steve Peck, VISTAGY’s director of product marketing and strategy for aerostructures. “By implementing FiberSIM and taking advantage of our professional services’ team vast experience in aerospace, we’re confident that Kaman Helicopters will enhance its productivity so it can meet its business goals.”

 [Click here to return to Contents](#)

Mentor Graphics Announces That Dongbu HiTek Has Adopted Eldo for Optimized Cell Characterization Flow

23 February 2010

[Mentor Graphics Corp.](#) announced that Dongbu HiTek has adopted the Eldo® analog circuit simulator for cell library characterization flow. During their evaluation, the Eldo analog circuit simulator demonstrated superior performance and circuit convergence over Dongbu HiTek’s existing SPICE

CIMdata PLM Industry Summary

engine. The net outcome from the adoption of the Eldo simulation is twofold: shortened overall library characterization time, and reduced reliance on a single, simulation engine methodology.

“The Eldo evaluation with Dongbu HiTek showed very positive results for them, and we were able to meet all the criteria they defined to prove the value of the tool”

.Prior to adopting the Eldo simulator, Dongbu HiTek had a single SPICE engine methodology that presented many risks of cell characterization error and suffered from slow performance and a bad convergence rate. In contrast, the Eldo simulator provides user-friendly and comprehensive functions for library cell characterizations. Dongbu HiTek was able to insert the Eldo simulator into their existing design and verification flow, thus removing the dependency on a single solution and reinforcing their competitiveness. The new library characterization flow with the Eldo simulator shortened time to market (TTM) by improving the convergence rate and reducing the characterization time.

“Eldo provides the high-accuracy and impressive runtimes required for library cell characterization,” said Taek-Soo Kim, vice president, Dongbu HiTek. “After a thorough evaluation, Dongbu found that Eldo sped up the sign-off process of library characterization, and shortened the verification period, as Eldo provides an alternative methodology to existing SPICE engine.”

“The Eldo evaluation with Dongbu HiTek showed very positive results for them, and we were able to meet all the criteria they defined to prove the value of the tool,” said Robert Hum, vice president and general manager of the Mentor Graphics Deep Submicron Division. “We look forward to more engagements with Dongbu HiTek where our tools can be used to strengthen the competitive advantage they extend to their customers.”

About Dongbu HiTek

Headquartered in Seoul, Korea, [Dongbu HiTek Co., Ltd.](#) offers advanced products and services across two major business areas: Agriculture and Semiconductor. The Semiconductor Business provides specialized chip foundry services that add high value to display, mobile and various analog applications. The company’s two fabs currently process 200mm wafers at nodes ranging from 0.35 microns to 90 nanometers. This wafer processing is supported by comprehensive design support (IP and design libraries), prototype development/verification, and packaging/module development. The Semiconductor Business specializes in developing best-in-class Analog, High Voltage CMOS, CMOS RF and BCDMOS technologies, CMOS Image Sensor (CIS), and Display Driver IC (DDI) chips as well as chips that incorporate NOR Flash memory functions. Dongbu HiTek’s stock is publicly traded under 000990 on the Korea Stock Exchange.

 [Click here to return to Contents](#)

MSC.Software Empowers China’s First Automotive Works with Industry Leading Engineering Management Platform

25 February 2010

MSC.Software announced that First Automotive Works (FAW), a global leader in automobile manufacturing, has selected MSC.Software’s **SimManager** as the virtual build and test platform to drive effective collaboration.

Recently crowned as China’s largest machinery corporation, FAW is recognized as a global leader in producing innovative, efficient and reliable vehicles. Adhering to the company’s mantra of producing quality vehicles with maximum efficiency, FAW is today ranked as one of the world’s most

CIMdata PLM Industry Summary

recognizable conglomerates in the automotive industry.

FAW has adopted MSC.Software's SimManager to enable automation and management of simulation processes and knowledge, leading to higher productivity across the enterprise environment. Founded in 1953, FAW is a pioneer in vehicle manufacturing in China and continues to invest in engineering technology to drive innovation. Through **SimManager's** automated processes, FAW is able to drive operational transparency and validate more scenarios, significantly easing decisions and reducing analysis time across the engineering simulation cycle.

"With MSC.Software's SimManager, we can bring together teams within a collaborative engineering environment. Through real customer deployments and proven industry best practices, we are convinced that MSC.Software has the breadth and depth of computer-aided engineering expertise in the automotive industry that can help realize our engineering design goals," said Mr. Li Kang, Vice Chief Engineer, Vehicle Launch Department, First Automotive Works.

"MSC.Software continues to extend our leadership in the automotive industry in China with strategic partners such as FAW," said David Yuen, Senior Vice President, MSC.Software Asia Pacific. "By providing a flexible collaborative environment fine tuned for CAE, MSC.Software is able to provide real-time access to information in a managed and disciplined methodology. Our users benefit by performing simulation cycles faster in a sustainable manner."

About First Automotive Works (FAW)

FAW Group is a global leader in the vehicle manufacturing industry with a 50-year history. Founded in 1953, FAW employs 133,000 people around the world and sells products in over 70 countries. FAW is a diversified maker of quality light, medium, and heavy-duty trucks, municipal buses and luxury tourist coaches, custom bus chassis, and mini-vehicles with total sales in excess of seven million vehicles worldwide.

FAW has 28 wholly owned subsidiaries and controlling interest in 18 partially owned subsidiaries. Among these are FAW Jiefang Truck Co. Ltd. and FAW Bus and Coach Co. Ltd., which are wholly owned subsidiaries; FAW Car Co. Ltd., Tianjin FAW Xiali Automobile Co. Ltd., and Changchun FAW Sihuan Automobile Co. Ltd., whose shares are traded on the stock exchange, and FAW-Volkswagen Automobile Co. Ltd. and Tianjin FAW Toyota Motor Co. Ltd., both of which are Sino-foreign joint ventures. FAW's state-of-the-art government-certified engineering development and test center is China's largest and most sophisticated automotive research and development facility. The company's total assets are valued at 109.85 billion Yuan (USD14.27 billion).

 [Click here to return to Contents](#)

Oil & Gas Contractor Semco Maritime Selects IFS Applications

23 February 2010

Danish contractor [Semco Maritime A/S](#) in the Oil & Gas & Energy sector has selected IFS Applications for EPCI (Engineering, Procurement, Construction, Installation) Contractors to improve its project operations globally. The implementation project is in three phases, with phase one including consulting services for SKr 7 million. The contract contains further options for licenses and additional consulting services, and has a total value of SKr 20 million for IFS.

Semco Maritime has set ambitious growth targets and has recently grown both organically and through acquisitions. The company is a major contributor to large infrastructure projects, including the growing

CIMdata PLM Industry Summary

market of modification projects.

The solution from IFS will be delivered on the IFS Enterprise Explorer user interface for increased usability and productivity throughout the organization. The standard industry solution IFS Applications for EPCI Contractors supports business processes within engineering, sales contract & project management, procurement, subcontracting, document management, financials, material management, fabrication, human resources, and after sales service. The solution also contains tools for interfacing with CAD applications and standard integrations with planning systems.

IFS expects the entire project to be delivered in the first quarter of 2011.

"We selected IFS because we wanted a well-proven project -driven business application that met the requirements in the Oil & Gas industry. Moreover, the implementation project will benefit from IFS best practice processes and consulting business know-how, industry competence and a leading project-based system," Erik Gaj Nielsen, President of Semco Maritime said. "Our business is delivering large infrastructure projects, which requires total control over time, cost, cash, risk and resources in each project. We are confident that IFS Applications will contribute to improving our project performance and enable us to better compete for larger integrated EPCI contracts."

"IFS has a strategic focus on project-based industries and especially EPCI contractors. With Semco on board, IFS continues to add influential and leading large companies to its customer base," Glenn Arnesen, Managing Director of IFS Scandinavia said.

IFS has more than 300 project-centric customers, including Heerema Fabrication Group, Babcock Group, Doosan Babcock, Hertel Group, Bergen Group Rosenberg, Grenland Group, BWSC, SeaWell, Dresser-Rand, Wellstream, Clancy Group, Pipeline Engineering, Yantai Raffles, STX Europe, Seadrill, Apply Sørco, APL, BWO and Hamworthy Gas Systems.

 [Click here to return to Contents](#)

PDF Solutions Expands Use of Magma's Quartz Products to Physically Verify CV Test Chips for 45-, 40-, 32- and 28-nm Processes

25 February 2010

[Magma® Design Automation, Inc.](#) announced that PDF Solutions®, Inc., a leading provider of yield improvement technologies and services for the integrated circuit (IC) manufacturing process life cycle, is using Magma's Quartz™ DRC Physical Verification system in connection with development of Characterization Vehicle® test chips for the 45-, 40-, 32- and 28-nanometer (nm) processes of leading foundries. PDF Solutions expanded its use of the Magma physical verification products to include Quartz DRC and Quartz LVS after successfully verifying a number of CV® test chips for a leading semiconductor manufacturer. Using these physically verified CV test chips, PDF Solutions works with its clients to improve the yield of ICs implemented in these advanced processes.

"The Quartz products' proven ability to support complex, leading-edge, deep-submicron process rules, along with the availability of native Quartz runsets made expanding the use of the Quartz products a natural progression," said Howard Read, senior director of Global Field Solutions at PDF Solutions. "Timely verification of the test chips using Quartz means our clients can have confidence in their ability to achieve yield goals sooner."

"Reducing design and verifications costs is the No. 1 priority for semiconductor companies today," said Anirudh Devgan, general manager of Magma's Custom Design Business Unit. "When used as an

integral part of PDF Solutions' yield ramp solutions, the faster turnaround time and reduced cost of Quartz DRC and LVS help to accelerate clients' time to market and to improve yield of advanced ICs."

Quartz DRC and Quartz LVS: Fast, Accurate, Fully Scalable Physical Verification

Quartz DRC and Quartz LVS are architected to process integrated circuit (IC) designs of any size, at any technology node, in the least amount of time. Magma's is a scalable physical verification solution, able to provide turnaround time that is up to an order of magnitude faster than existing solutions by leveraging existing compute resources. The Quartz tools are fully compatible with third-party IC implementation flows and can read file formats used by traditional physical verification tools. When combined with Magma's Talus® platform for digital implementation, Quartz DRC and Quartz LVS offer additional time savings by eliminating the need to stream data between the implementation system and the physical verification tool.

 [Click here to return to Contents](#)

Queiroz Galvão Implements Intergraph® SmartPlant® Enterprise

23 February 2010

Queiroz Galvão, a leading global Brazil-based construction company, has implemented Intergraph® SmartPlant® Enterprise solutions to boost construction project efficiency and reduce costs.

Using SmartPlant Materials and SmartPlant Reference Data as part of Intergraph's SmartPlant Enterprise solutions, Queiroz Galvão has improved and standardized its engineering, procurement, construction and assembly planning processes and the interfaces among them. Additionally, the solutions have enabled contract managers, operations and other tactical/operational departments to create and share reports more easily.

The results of the SmartPlant Materials and SmartPlant Reference Data implementation have provided Queiroz Galvão engineers, designers and planners with control over all project materials throughout the complete project life cycle. To further enhance efficiency, the company has integrated these solutions into its ERP system to create an environment focused on support processes such as cost management, financial, invoicing, project tracking and quality assurance.

"We needed integrated solutions to more efficiently manage our construction projects," said Leonardo Vieira Freitas, engineering systems coordinator at Queiroz Galvão. "Initially, the SmartPlant Materials and SmartPlant Reference Data solutions were implemented on onshore projects, and they helped us to structure the materials management organizational processes. Based on these results, we will extend the system to all of our industrial assembly projects."

SmartPlant Enterprise is an integrated solutions suite that provides full design, construction, materials and engineering data management capabilities needed for the creation, safe operation and maintenance, and capital Plant Life Cycle Management (cPLM) of large-scale process, power, marine and offshore projects. The software's life cycle data management also enables a smoother handover for EPCs to owner operators and for owner operators to more easily maintain, refurbish or modify their plants.

SmartPlant Materials provides strong material management workflow and functions, from preliminary design through detail engineering and purchasing to construction. It allows the sharing of data with the different design systems, clients, subcontractors and suppliers, as well as the re-use of most data in subsequent projects. SmartPlant Reference Data provides materials libraries at the corporate and project levels and enables better standardization and change management. It is the software tool for maintaining

CIMdata PLM Industry Summary

catalog and pipe specifications for SmartPlant Materials and other SmartPlant Enterprise solutions.

SISGRAPH, Intergraph's Brazil-based distribution partner, will continue to support Intergraph engineering solutions for Queiroz Galvão.

About Queiroz Galvão

The Queiroz Galvão Group was founded in Recife, Pernambuco in 1953. The brothers Antonio, Mario, João and Dario de Queros Galvão created a small engineering company that became one of the largest business groups in Brazil.

The constructor was the basis for business expansion, and today the Group operates in various segments of the economy, such as public utility concessions, crude oil and natural gas exploration and production, steel, food production, finance and environmental engineering. Over the past 12 years, the internationally recognized Queiroz Galvão Group has internationalized its business and is now present in Latin America and Africa, through the constructor, and the United States and Europe with its export products.

The Queiroz Galvão Group began as a construction company. Today the Group has become an international player in many different areas including construction, public utilities concessions, oil and gas, steel, food, finance and environmental engineering. In all these areas, the same concern is shown for quality, reliability and the consolidation of valuable partnerships.

About SISGRAPH

[SISGRAPH](#) has been providing Intergraph solutions to Brazil since 1980. SISGRAPH, which is headquartered in São Paulo, provides exclusive sales, consulting, implementation and training services - in its Training Center or in its customers' facilities as well - for all Intergraph Process, Power & Marine products in Brazil and for all Intergraph Security, Government & Infrastructure products in Latin America and the Caribbean. SISGRAPH'S technical team of more than 100 engineers and specialists have deep knowledge of Intergraph products, its applications and the markets to which they are destined.

About Intergraph

[Intergraph](#) is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data into understandable visual representations and actionable intelligence. Intergraph's software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

 [Click here to return to Contents](#)

Sescoi Software Used by Winners and Finalists in the 2009 Excellence in Production Competition

25 February 2010

The 2009 Excellence in Production competition, organized by the German **Fraunhofer IPT** Institute for Manufacturing Technology, WZL - RWTH Aachen University and Aachner Werkzeug und Formenbau, is an event which celebrates the technical expertise of German tool and die makers.

311 toolmakers participated in the 2009 competition, and each received a thorough evaluation of its business from a team of judges from within the industry. Congratulating the successful companies,

CIMdata PLM Industry Summary

Sescoi found that, including the overall winner, seven of the nine winners and finalists in the four categories of the competition were using its [WorkNC](#) CAD/CAM software, its WorkPLAN Enterprise ERP system or its MyWorkPLAN job management software.

Summerer Technologies GmbH & Co KG, based in Rosenheim, uses WorkNC and was declared the overall winner and ‘Toolmaker of the Year 2009’ as well as winner in its own category, ‘External Toolmaking with less than 100 employees’. The judges highlighted its business development strategy, its technological skills, and its investment program in CNC milling.

The other SESCOI users are Gerresheimer Wilden Werkzeug und Automatisierungstechnik GmbH, winner of the ‘Internal Toolmaking’ category for companies with under 100 employees, as are Gedia Gerbrüder Dingerkus GmbH and MR Maschinenfabrik Reinhausen GmbH, finalists in the same category. Gerresheimer Wilden, which makes injection molds for medical applications, was praised for its levels of customer and employee satisfaction, which are supported through its technical competence center and its individual training plans.

For the ‘External Toolmaking’ category for companies with over 100 people, the winner, Siebenwurst Modell und Formenbau GmbH & Co KG, uses WorkNC as do the finalist and runner up, Hofmann Modellbau GmbH and Werkzeugbau Siegfried Hofmann GmbH. Hofmann Modellbau GmbH also uses WorkPLAN Enterprise for its business and production management.

Used by six of the nine winners and finalists, WorkNC V20 is the latest version of SESCOI’s CAD/CAM system and now includes automated 3+2 axis programming in addition to its Auto 5 automatic 5-axis programming. This new functionality increases the utilization and efficiency of older and larger machine tools, enabling them to finish more of the part in one setting. The new version also includes support for conical cutters which will help engineers to use higher feedrates and improve the quality of the machined surface.

Both WorkPLAN Enterprise ERP and MyWorkPLAN job management systems are now [SAP® certified](#), enabling the packages to dynamically exchange data with one another, further increasing the scope of the software for larger companies. The specialized quotation, sales management, and production scheduling and management tools inside SESCOI’s systems give toolmakers access to key information in real time, enabling them to make well considered decisions based on accurate data.

[↑ Click here to return to Contents](#)

StructureCraft Creates Roof for Richmond Olympic Oval with Autodesk Inventor

24 February 2010

[Autodesk, Inc.](#) has named StructureCraft Builders Inc., a British Columbia–based custom design-builder, the Autodesk [Inventor of the Month](#) for February 2010. The company used [Autodesk Inventor](#) software to design and develop the WoodWave© roof for the Richmond Olympic Oval long-track speed skating venue.

StructureCraft relied on Inventor software to model, detail and build the WoodWave Structural Panel system for the Olympic Oval roof, using a Digital Prototyping process to iterate design options and coordinate the project with subcontractors and project partners. By using Inventor software to clearly communicate the design process to stakeholders, StructureCraft streamlined fabrication of the Olympic Oval roof deck and completed the job on time and on budget.

CIMdata PLM Industry Summary

“Inventor software really helps us manage complexity on our projects,” said Santiago Diaz, a StructureCraft modeler. “By making our data manageable, allowing us to explore design changes easily and keeping complexity at bay, Inventor software frees us up to be more innovative.”

While materials vary greatly from project to project, [StructureCraft](#) has earned particular recognition for its use of wood and timber in exposed architectural structures, which include the Olympic Oval and the Bridge of Dreams, a footbridge on the Trans-Canada Trail in Princeton, B.C. Wood structures present multiple challenges that must be addressed from design to fabrication, and Inventor software assists StructureCraft in the overall process.

Approximately 100 different types of WoodWave panels were involved in the creation of the Olympic Oval roof, each of which is a complex assembly of about 250 parts. Even so, when confronted by the need to change the wave pattern due to a conflict with the sprinkler system, StructureCraft simply altered certain parameters in the model, and each panel automatically adjusted in the Inventor model.

“It would have taken weeks to make these types of design changes the old-fashioned way,” said Diaz. “In Inventor software, it took minutes.”

Inventor software also helps StructureCraft balance aesthetics and function in projects. StructureCraft designers noted that not only did the Olympic Oval roof need to be beautiful, it also had to absorb excess crowd noise and hide the electrical, mechanical and sprinkler systems attached to the ceiling.

“It is clear that [StructureCraft](#) has embraced Digital Prototyping and Autodesk Inventor software to successfully bridge sophisticated engineering and modern construction techniques and create complex structures quickly and effectively,” said Robert “Buzz” Kross, senior vice president, Manufacturing Industry Group at Autodesk.

About the Autodesk Inventor of the Month Program

For more information about Autodesk Inventor of the Month, contact IOM@autodesk.com.

 [Click here to return to Contents](#)

Thermphos Taps Atrion International’s Product Compliance for SAP® EH&S Integration into Business Processes

10 February 2010

Atrion International announced that it has signed an eight year agreement with Netherlands-based Thermphos International BV, a world leading chemical company in phosphorus, phosphoric acid, phosphorus derivatives, phosphates and phosphonates, for Atrion’s [Product Compliance for SAP® EH&S](#). The Atrion solution will assist Thermphos in the regulatory analysis of complex product formulations and generate hazard communication documents such as the [MSDS](#) or [SDS](#).

“Thermphos decided to implement the SAP® EH&S module and was looking to integrate product compliance across all of its business processes so that we can be ready for new legislation as well as geographic expansion,” said René de Kok, Coordinator REACH & Product Safety from Thermphos. “We were looking for a highly automated and comprehensive content provider with an SAP® compatible solution that would allow us to accelerate our deployment of SAP® EH&S and we turned to our SAP® partner Atos Origin for recommendations given their expertise in this area. Atos Origin’s relationship with Atrion was a key decision making criteria. Atos Origin is leading this implementation

in close cooperation with Atrion.”

“Companies that are planning for expansion into new markets need to make product compliance a strategic initiative in their overall plan,” said Joe Cella, VP Marketing & Partner Programs at Atrion. “Addressing global compliance is becoming more complex and corporations are increasingly turning to Atrion’s team of EH&S and [product compliance experts](#) and our network of [strategic partners](#) to augment their internal capabilities in this area.”

Atrion’s Product Compliance for SAP® EH&S is a [Powered by ACETM](#) solution that leverages extensive [managed regulatory content](#)—consisting of integrated regulatory data, rules, phrases, pictograms and templates (in WWI format).

Catalyst legislations such as [REACH](#), [GHS](#) and RoHS and customer demand are making environmental and safety responsibility an increasingly important factor in everything from materials procurement to distribution. Noncompliance creates substantial financial and safety risks that impact the entire supply chain and could inhibit expansion into new markets and profitable growth.

About Thermphos International

Thermphos International is a world leading chemical company in phosphorus, phosphoric acid, phosphorus derivatives, phosphates and phosphonates. These products are applied as raw materials in personal hygiene products, industrial and household cleaning products, crop-protecting agents, foodstuffs and pharmaceutical products. The company was founded in 1997 and is based in Ritthem, the Netherlands with production sites and sales locations in Europe, Asia, and South America; and additional operations in Germany, France, the United Kingdom, China, and Argentina.

 [Click here to return to Contents](#)

Volvo 3P Cab Engineering Includes New Material Model Available in RADIOSS to Better Predict Behavior of Cast Parts in Crash Calculations

22 February 2010

[Altair Engineering, Inc.](#) announced that Volvo 3P Cab Engineering, based in Lyon, France, has introduced new complex material laws in their RADIOSS models to better predict the behavior of ductile cast-iron parts in crash simulations.

Volvo 3P is a Business Unit of the AB Volvo group for product planning, purchasing, global vehicle development, global engineering and product range management, delivering solutions for Volvo Group’s global truck operations. One of Volvo 3P’s basic challenge is the evaluation of vehicle safety under various crash conditions. Intensive phases of simulations are conducted to support and enhance vehicles safety.

To create a numerical simulation model, that covers all the complex conditions involved in crash situation, Volvo 3P uses the Altair software RADIOSS. In the need to study several aspects such as elasto-plastic behavior, hardening, strain rate dependency, triaxial behavior and failure, Volvo 3P relies on the modeling capabilities of RADIOSS. Several tests for material property identification were accomplished to obtain data about the material’s behavior up to the rupture in case of torsion, tension and compression (hardening, strain rate effect, stress state influence). The achieved data were used to validate the numeric model in RADIOSS and enabled the Volvo 3P engineers to set up the right material laws for simulation.

CIMdata PLM Industry Summary

"The prediction of the behavior of single components can be very complex, as recently shown by the prediction of crash behavior for ductile cast-iron brackets," said Jerome Lagrut, senior analyst, Volvo 3P Cab Engineering. "Since the brackets are the critical link between chassis and the driver's cab, they are key components for the crash behavior and the occupant safety. Certain crashworthiness requirements, such as regulations and severe internal requirements must be covered. After the identification of the material behavior via tests, we have been able to implement these laws in a simulation model for further investigations. The crash simulations on complete vehicles in RADIOSS showed very good correlations with physical tests and we are very pleased with the outcome of our development efforts," he continued.

"We are pleased to see Volvo 3P Cab Engineering engineers expanding the usability of RADIOSS in their development tasks," said Mauro Guglielminotti, managing director, Altair, France. "Having the ability to better predict crash results is a highly competitive advantage and will lead to better and safer products, a reduced number of prototypes and savings of time and money. Including special validated material laws is the right answer to the calculation needs at Volvo 3P Cab Engineering."

About RADIOSS

RADIOSS is a next-generation finite element solver for linear and non-linear simulations. It can be used to simulate structures, fluids, fluid-structure interaction, sheet metal stamping, and mechanical systems. This robust, multidisciplinary solution allows manufacturers to maximize durability, noise and vibration performance, crashworthiness, safety, and manufacturability of designs to bring innovative products to market faster.

 [Click here to return to Contents](#)

With Kneissl, Skier Is Ready for the 2010 Winter Olympic Games

23 February 2010

Racers in the new Olympic sport of ski cross need fast, and maneuverable skis to navigate the waves, curves, and jumps on the course. With a customized race ski from Kneissl Tirol, Australian Sarah Sauvey will start for the British ski cross team at the 2010 Winter Olympic Games in Vancouver. Kneissl designs its skis with SolidWorks® CAD software. Since switching to SolidWorks software, the company reduced the development time of its skis by nearly 50 percent.

The development and building of skis have a long tradition at Kneissl. In 1919, Franz Kneissl, the founder of the company, produced the first ski in the series. Today, the company provides skis that combine man, nature, and high quality standards regarding technology and product performance.

Kneissl has been one of Sauvey's official sponsors since 2008. Sauvey's race ski has been developed specifically for her. Unlike other manufacturers, Kneissl offers this customization, which may consist of up to 20 components and do not go into series production.

"Our 2D software was no longer sufficient, especially for the data transfer to the external service providers we employ for the five-axis machining. That became more and more critical," said Max Eppensteiner, product development at Kneissl Tirol. "[SolidWorks](#) helps us communicate with our suppliers and customers."

Since their deployment of 3D, Kneissl benefits from a shorter development time, which leads to more creativity and better quality designs. "SolidWorks provides a complete set of tools that we need for our daily work," said Eppensteiner. "We're now using SolidWorks Simulation, which helped us improve the quality of our products even more efficiently." Use of SolidWorks also contributed to a reduction of

CIMdata PLM Industry Summary

prototyping and development of more innovative products. Kneissl has begun to use SolidWorks for other design projects, such as small machines and devices.

“Kneissl is an excellent example of business success through excellent design,” said Uwe Burk, country manager central Europe at Dassault Systèmes SolidWorks Corp. “We are proud that SolidWorks products were able to help in that effort and look forward to watching Sarah Sauvey also pursue success in the Olympics!”

Kneissl relies on SolidWorks reseller [planetsoftware](#) for implementation, training and maintenance.

 [Click here to return to Contents](#)

Product News

Cadac Organice BV Announces Advanced Document Creation in Organice Explorer 2010

22 February 2010

Cadac Organice BV, a Microsoft Gold Certified Partner developing [Cadac Organice](#), a SharePoint based engineering document management solution, announces Advanced Document Creation in the upcoming Cadac Organice Explorer 2010.

Cadac Organice Explorer 2010 will bring exciting new features and functionalities of which some will be unveiled in the upcoming weeks prior to the official release on March 8, 2010. One of these new features is [Advanced Document Creation](#). In the new version of Cadac Organice Explorer, users are able to create sophisticated templates in Microsoft Word for letters, faxes, reports, etc. These templates can include fields that are automatically synchronized with SharePoint metadata. Advanced Document Creation also makes it possible to create predefined text building blocks and signatures that users can easily re-use to create their documents. Advanced Document Creation helps users to setup new documents quickly and easily and to automatically populate these documents with SharePoint metadata.

Advanced Document Creation is very beneficial to companies that want to standardize the layout of their documents and to increase the efficiency in their document creation process.

Cadac Organice Explorer 2010 including Advanced Document Creation will be introduced on March 8, 2010.

For more information please contact:

Mr. Guus Weitzel

International Product Marketing Manager Organice

+31 45 400 1010

gweitzel@organice.com

 [Click here to return to Contents](#)

CGTech Now Shipping VERICUT Composite Applications Version 7

24 February 2010

[CGTech](#) has released the next major version of its composite applications: VERICUT Composite Programming (VCP) & VERICUT Composite Simulation (VCS).

For over 20 years CGTech has been constantly improving its VERICUT suite of software for metal cutting. But it was in 2004 that CGTech thrust full speed into the world of composites, after being asked

CIMdata PLM Industry Summary

by Boeing (a CGTech customer since 1989) to develop a program for AFP machine simulation for 787 fabrication. This project progressed in 2005 to include the development of a programming solution for AFP machines. Today, VERICUT Composite Applications are being used by leading manufactures to program and simulate their automated fiber placement machinery.

VCP reads CAD surfaces and ply boundary information and creates fiber-placement paths to fill the plies according to user-specified manufacturing standards and requirements. Layup paths are linked together to form specific layup sequences and are output as NC programs for the AFP machine.

VCS reads CAD models of the layup tool and fixtures and simulates the layup sequence directly from NC program files. Tow material is applied to the layup form via NC program instructions in VERICUT's virtual CNC simulation environment. The simulated material applied to the form can be measured and inspected to ensure the NC program follows manufacturing standards and requirements. A report showing simulation results and statistical information can be automatically created.

VCS simulates directly from NC program files, either from VCP or from other composite layup path-generation off-line programming applications. VERICUT's industry-leading CNC control emulation and NC program simulation technology allows VCS to be configured to simulate virtually any format CNC program and machine kinematics.

Manufactures that implement machine-independent automated fiber placement (AFP) programming and simulation software are free to select the best machine for a specific part, family of parts, or manufacturing process, without having to introduce a different piece of software into the engineering process for each different brand of machine.

“When a machine tool builder is also developing the software to program their machines, the software tends to be restricted to the technology of the machine,” said CGTech Product Marketing Manager Bill Hasenjaeger. “When software is separate from the machine and applied in a variety of applications, the software and underlying technology expands. The metal cutting industry has seen the same happen with advances in CAD/CAM.”

 [Click here to return to Contents](#)

Delcam Adds Parasolid to Toolmaker Tooling Design Software

23 February 2010

Following the recent launch of the first version of its PowerSHAPE CAD system incorporating Parasolid® software, [Delcam](#) has introduced the 2010 release of its Toolmaker tooling design software, which also incorporates Parasolid. The short delay has been necessary to allow the conversion of the extensive range of standard components within Toolmaker into the Parasolid format. Toolmaker incorporates catalogues from all the leading mould components suppliers in Europe, Asia and America, totalling many thousand standard parts.

The integration of Parasolid, the 3D geometric modelling component from Siemens PLM Software, reinforces the solid modelling and assembly modelling capabilities of Toolmaker, and so complements the surface modelling capabilities developed by Delcam over more than 30 years. The combination of the two technologies provides a range of benefits for toolmakers, especially those that use imported product design data as the basis for their tooling designs. In this first implementation, the key benefits are:

- import and export of Parasolid models in XT file format, without translation;

CIMdata PLM Industry Summary

- comprehensive tools to create valid Parasolid models from data imported from systems that operate at lower precision than Parasolid;
- broad range of options to analyse product designs and high-speed editing tools to optimise models for manufacture;
- automated core and cavity creation;
- fast and robust assembly modelling to build up the mould stack;
- rapid, reliable creation of GA and other drawings.

The ability to work effectively with imported data is greatly enhanced by the addition of Parasolid. Models in the Parasolid native XT file format can be imported directly from CAD systems based on Parasolid such as SolidWorks, Siemens PLM Software's Solid Edge® software and NXTM software and also from many other systems, including Autodesk's Inventor and PTC's Pro/Engineer, that have Parasolid XT import/export filters.

In addition, users will be able to tackle all the common problems that can be found when translating low precision and incomplete data, including gaps and overlaps between surfaces, or duplicated and missing surfaces, and generate a valid, high-precision Parasolid model. This process uses the automatic data repair tools that are provided as part of Parasolid, together with the surface creation and editing options that are available from PowerSHAPE. This combination means that simple repairs can be carried out quickly and easily, while more complex problems can be overcome by deleting and replacing the existing surfaces within the model.

Toolmaker also includes a wide range of analysis tools to check the manufacturability of the design. These include curvature analysis to check that fillet radii are large enough to allow easy material flow in the tool, draft angle analysis to ensure that parts can be removed successfully or to identify where slides will be needed, and model thickness analysis to help in the selection of gating positions and in highlighting potential sink-mark problems.

The addition of Parasolid will also enhance Delcam's Power Features technology. Components that contain Power Features react automatically as they are placed within the tool assembly, adding all the necessary fit-features to the connecting components. As each part is added, the tolerances between the various components are also defined automatically. This automatic creation of relationships makes the development of the overall design much quicker and also makes errors in the design process far less likely.

Of course, Power Features maintain relationships in a similar way to parametric objects in other CAD systems so that, for example, if an ejector pin moves, all the associated holes move with it. However, the degree of associativity is more flexible, such that all component dimensions, tolerances and positions can be modified either individually, as part of a group of similar components, or by using a global edit for multiple groups of components.

The incorporation of Parasolid also speeds up and simplifies the development of more complex tooling assemblies. It is much easier to create solid models of any non-standard components and to define their relationships with the other components. Toolmaker will highlight suitable attachment points under the cursor. The user simply clicks the attachment points on a pair of components and they will move into position. A second click will preserve the relationship or another attachment point can be selected for an alternative relationship.

CIMdata PLM Industry Summary

Furthermore, all identical parts within an assembly are automatically recognised as instances of the same component so preventing unnecessary duplication of data. This reduces overall model sizes and makes regeneration of the complete tool much faster after any design changes.

As well as re-creating all the standard catalogues, Delcam has made it easier for users to create and manage their own catalogues. Toolmaker has allowed customers to group their commonly-used components into their own custom catalogues for several versions. Users can now both save custom dimensions for non-standard parts as Parasolid files and add Parasolid components that they have modelled themselves, or that they have downloaded, to custom catalogues.

Toolmaker already incorporated automated methods to generate the General Assembly and all the component drawings required for manufacturing and inspection. With the incorporation of Parasolid, hidden-line removal has been made faster and more reliable, while the time needed to produce a complete set of drawings for even a complex mould should now be no longer than a day. This compares with the two or three weeks that are typically needed with traditional drawing methods.

 [Click here to return to Contents](#)

First Trace Releases Kinnosa 4.2 for Engineering Document Management

25 February 2010

[First Trace, Inc.](#) has announced the release of [Kinnosa 4.2](#) Engineering Document Management (EDM) software. *Kinnosa's* flexible service-oriented architecture (SOA) has been extended with the release of version 4.2 to include support and direct integration for 32-bit and 64-bit versions of Windows 7, AutoCAD 2010, SolidWorks 2010 and MicroStation V8i Select 1. An advanced Active Directory adapter provides secure single sign on (SSO) capabilities for fast implementation. *Kinnosa 4.2* provides integration to MS Office document properties to dynamically link business data to Office documents and the open *Kinnosa* repository.

First Trace developed *Kinnosa* to address the complex requirements of engineering to effectively manage CAD drawings, engineering files and standard office documents in a real-time environment. The additional support for the 2010 versions of the most popular CAD tools means *Kinnosa* now directly integrates with AutoCAD versions 2007 – 2010, SolidWorks 2007 – 2010 and MicroStation V8 – V8i Select 1.

By enabling the ability to dynamically link business data to Office documents and the open *Kinnosa* repository, users can make business decisions based on data in documents without having to open them. Any changes a user makes to data are automatically reflected in the document and the *Kinnosa* repository, regardless of where you make the change.

Kinnosa's SOA has been extended with the release of version 4.2 to allow for more user choices and greater system flexibility. The extended SOA allows *Kinnosa* to be configured by system administrators with improved user management capabilities and greater granularity with role-based authorizations. The addition of an advanced Active Directory adapter provides for secure single sign on (SSO).

For more information about the *Kinnosa 4.2* release and how it automates EDM and removes costly documentation breakdowns, please visit www.firsttrace.com/press-center.html.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Geometric Releases NestLib® 2010 R1

24 February 2010

[Geometric Limited](#) announced the release of NestLib® 2010 R1 with improvements in material utilization for sheet metal punching and inventory management. NestLib is focused on optimizing two dimensional packaging. It has been licensed by over 90 independent software vendors and original equipment manufacturers worldwide. This latest release of [NestLib](#) incorporates a number of new features, several important fixes and updates, as well as performance improvement measures. Some of the most important additions include: Multiple Corner nesting and Inventory Forecasting support with edge matching feature to increase material utilization, and thereby reduce material cost for the wood working industry

User controls advancements like run time local area selection for every orientation of a part in Common Punch module. This feature will assist punch machine users to control the nesting of a specific part in the entire nested layout

Nesting reports in PDF format can be directly generated from the NestLib evaluation program. This will allow customers to store the nested reports on their computers for easy reference and sharing

Inventory Forecasting module that identifies the best sheet size to be used for a given order, can now be used for orders with different part materials and thickness

NestLib is a fast and efficient nesting library. It provides matchless, high speed, and powerful algorithms for fully automated True Shape nesting.

The NestLib portfolio consists of a [base module](#) and a set of optional advanced modules, each of which provides specialized functionality. These include:

[Shear nesting](#) module for saw parts requiring end to end cutting

[Common Punch](#) module specially designed for parts to be cut using punching machines

[Leather nesting](#) module for leather parts with different quality patterns

[Remnant generation](#) module for automatic remnant creation after nesting

Tube nesting module for tube cutting and pipe cutting

[Common Cut](#) module for nesting adjacent parts such that they share a common flame path.

NestLib is available as a static library, Dynamic linked library (DLL), and COM DLL. It also supports and .NET framework. NestLib is available for 32 -bit and 64 -bit Microsoft Windows OS as well as for Sun Solaris and Linux platforms. It can be ported to Mac OS on demand. NestLib also supports multi-core computing for both dual core and quad core computers. To know more about the product and download the evaluation version, please visit

 [Click here to return to Contents](#)

Invensys Releases DYNsIM Medium Fidelity Simulation

23 February 2010

Invensys Operations Management, a global provider of technology systems, software solutions and consulting services to the process and manufacturing industries, announced the availability of its SimSci-Esscor® medium-fidelity simulation solution, DYNsIM® Checkout.

CIMdata PLM Industry Summary

Available as part of the new DYNsIM 4.5 software release, the solution provides the industry a new way to identify, validate and resolve control and safety application design errors throughout the project life cycle, while addressing plant operator process-familiarization needs and clearing obstacles like late-arriving design information.

Medium-fidelity simulation provides a library of unit-operation models (valves, pumps, conveyers, reactors) similar to high-fidelity models, but requires far fewer engineering hours and less specialized expertise to configure and tune. The models can be auto-generated using industry-leading plant life cycle management software that features intelligent piping and instrumentation diagrams (P&ID), thus shortening the time it takes to construct the model. The SimSci-Esscor medium-fidelity simulation solution also requires significantly less design data to complete the model, with P&ID and process flow diagrams being the key required information.

By providing this simulation facility the early stages of the project, potential control and safety application design errors, omissions and changes can be captured before construction, resulting in higher quality for the automation system, as well as significantly reduced client risk at the plant startup and commissioning phases. Medium-fidelity models, while less complicated than high-fidelity, are also suitable for operator familiarization training, allowing operators to learn procedures “live” on the new control platform and to attain a level of knowledge that was previously impossible at such an early stage in the project. These models can be efficiently rebuilt many times throughout the life of the project and can therefore remain current with the latest control and safety designs.

“Low-fidelity tieback simulation is a common tool for control checkout, but it is not very realistic, and only basic verification of control system functionality can be performed,” said Gregory McKim, principal consulting engineer for simulation, Invensys Operations Management. “On the other hand, high-fidelity operator training simulators are extremely full-featured and highly realistic, but their cost and schedule demands may preclude use for control system validation and checkout. Our SimSci-Esscor medium-fidelity solution bridges the gap between these two extremes: It delivers enough detail to validate the control system design; it is useful as an operator familiarization tool; it is moderately priced; it can be built within the time to support constrained project schedules; and it serves most process and manufacturing industries.”

To learn more about the SimSci-Esscor medium fidelity solution, DYNsIM Checkout, contact your local Invensys sales office or sales representative or visit <http://www.iom.invensys.com>.



[Click here to return to Contents](#)

Invention Machine Unveils Innovation Software to Foster Expert Collaboration

23 February 2010

[Invention Machine](#) announced the availability of Invention Machine Goldfire 6.0 with integrated collaboration and expert identification technologies to further accelerate product innovation. The new software automatically identifies and connects innovation workers with domain experts, delivers solutions immediately and measures company-wide innovation initiatives and trends in real time. It also empowers the community with precise innovation intelligence by leveraging undocumented expertise from problem-sharing dialogues, then captures and processes those discussions as reusable corporate assets. Goldfire 6.0 is designed to increase productivity between five to 30 percent, accelerate every day innovation activities and deliver cutting-edge products quickly.

Invention Machine has added new content to Goldfire, the innovation intelligence platform. Users can

CIMdata PLM Industry Summary

now access patents from local authorities in France, Germany, Japan and the U.K. and also take advantage of Goldfire's intra-lingual capability to read the summaries in their own languages. In addition, more than 18 million citations from PubMed's 5,200 biomedical journals were added to Goldfire and 3.5 million documents from 1,100 deep web sites were pre-indexed, making it easier for users to tap into additional innovation intelligence.

"Maintaining an innovation-edge is critical to our business success," said Kelvin Pitman, director, Open Innovation, Crown Packaging Technology, a subsidiary of [Crown Holdings, Inc.](#) "Goldfire 6.0's new capabilities will allow us to easily identify experts and foster better collaboration within the organization, accelerating the development of innovative products for our customers to meet ever-changing consumer demands."

Goldfire drives and sustains the innovation process by helping [global manufacturers](#) transform ideas into market leading products, efficiently and economically. The platform combines proven innovation workflows and collaboration capabilities with precise access to corporate and external knowledge. This unique software empowers innovators so they can deliver the right products the first time, validate and rank the right ideas and streamline the ideas to productization process.

"In today's global environment, every day innovation workers must successfully tap into experts and utilize knowledge throughout their [innovation intelligence ecosystem](#)," said Jim Todhunter, chief technology officer, Invention Machine. "Goldfire 6.0 connects the right people at the right time, accelerates product innovation so innovators can deliver the right solutions, which in turn can significantly impact a company's bottomline."

 [Click here to return to Contents](#)

Lattice Technology And Kubotek USA Announce Partner Agreement

23 February 2010

Lattice Technology® Inc. and Kubotek® USA announced the completion of a new partner agreement. The agreement means both companies will work together to jointly market and sell their compatible 3D software products for the design-to-manufacture process.

Kubotek and Lattice Technology have come together to complement and strengthen each other's comprehensive suite of 3D software product offerings. As independent companies with world-class digital manufacturing solutions, Kubotek and Lattice Technology will offer design-to-manufacture solutions that leverage 3D data through design, engineering, manufacturing and the supply chain. Customers will also see an increased joint presence of both companies at industry trade shows and events.

Kubotek's Validation Tool™ is a leading PLM solutions tool for precise geometric CAD model comparison. Validation Tool is implemented in Aerospace, Automotive and other industries to validate and document intended and unintended changes in CAD and PMI data.

[Lattice Technology Inc.](#) sets the standard for digital mock up and technical documentation software in the manufacturing enterprise. With Lattice Technology Solutions, engineers can accurately perform design review, design processes, simulate assembly processes, create work instructions, illustrations and mBOMs/sBOMs direct from 3D data. Solutions include XVL Studio, Lattice3D Reporter and XVL Web Master.

"This agreement makes perfect sense since many of our customers are concerned about how to best

CIMdata PLM Industry Summary

leverage 3D data throughout the design-to-manufacture chain to achieve greater productivity and efficiency," said Bob Bean, Executive Vice President, Kubotek USA. "While Kubotek provides world-class 3D Direct Modeling and PLM solution tools such as CAD file validation and comparison, Lattice Technology Solutions deliver seamless use of that 3D data for highly accurate process design, simulation, assembly design, and creation of documents for use across the manufacturing operation."

"Kubotek's best-in-class software products are a perfect fit for the Lattice Technology Solutions," said Bill Barnes, General Manager, Lattice Technology Inc. "With this partnership, manufacturers now have access to an easily-implemented workflow for 3D data that extends across the entire enterprise. We are getting more and more demand from our customers for best in class solutions and by working with partners like [Kubotek](#) we can help deliver what they need."

 [Click here to return to Contents](#)

Mentor Graphics Introduces FloTHERM IC, a Comprehensive Solution for Semiconductor Package Thermal Characterization and Design

24 February 2010

Mentor Graphics Corporation announced the [FloTHERM[®] IC](#) productivity tool targeting the semiconductor industry for thermal characterization and design. Addressing increased complexity, chip density, and high-speed requirements for today's silicon designs, the FloTHERM IC solution is deployed as a web-based platform that delivers a high level of automation to the design tasks associated with full-spectrum thermal characterization and validation.

A typical semiconductor thermal team spends approximately 60 percent of its time on standard package thermal characterization and design, and the remaining time for customer-specific characterizations. The FloTHERM IC tool dramatically reduces the time spent on thermal characterization and design by providing an automated process that includes pre-verified thermal models to reduce the risk of modeling errors. The tool can also achieve reductions of up to 25 percent in the time usually needed for customer-specific characterizations.

The FloTHERM IC tool is based on proven Mentor Graphics technologies: the industry-leading FloTHERM computational fluid dynamics (CFD) software, used to simulate airflow, temperature and heat transfer in electronic systems, and the FloTHERM PACK Smart Parts modeling tool. This new solution addresses the following essential areas of a semiconductor package thermal characterization and design:

Full-spectrum thermal metric and compact model generation with full adherence to published JEDEC standards.

- "Package-aware" parametric design for "what-if" analysis
- EDA tool interfacing for detailed modeling of BGA substrates for physical layout
- Data mining of simulation data to enable optimized design time and reuse

"Within our organization, our teams all need access to thermal information at different stages of the design and manufacturing cycle. My group has an extensive background in using FloTHERM IC for electronics cooling applications; however, not everyone needs access to the full power of FloTHERM IC. That is why FloTHERM IC can fulfill an important role in the design process," stated Dr. Claudio Maria Villa, Thermal Design, Corporate Packaging and Automation Group, STMicroelectronics.

CIMdata PLM Industry Summary

"FloTHERM IC's intuitive interface makes it convenient for experts and non-experts to access the technology online, quickly build a model from the libraries and test their performance, thereby freeing thermal experts to focus on solving difficult semiconductor packaging thermal problems and mission-critical issues instead of fulfilling routine requests."

The product's wizard-based user interface is simple to use, designed for both the core thermal team and field engineers. Supported fully by an intuitive and flexible library and database infrastructure, the software enables a complete range of JEDEC thermal metrics and compact models to be generated easily and efficiently.

"We recognize the importance of thermal analysis for today's semiconductor packaging market, and we believe our FloTHERM IC solution will be a competitive advantage for our customers," stated Dr. Erich Buerger, general manager of Mentor Graphics Mechanical Analysis Division. "The ease of use and the ability to perform critical analyses quickly will provide tremendous ROI for our semiconductor customers who are concerned with market-delivery and cost constraints."

For more information on the Mentor Graphics FloTHERM IC technology and other mechanical analysis solutions, visit the company website: <http://www.mentor.com/flotherm-ic>.

 [Click here to return to Contents](#)

NEi Software Meets Market Demand with NEi Fusion 2.1, a 3D CAD Modeler with Nastran FEA

23 February 2010

NEi Software announced the release of NEi Fusion 2.1, a combination of Nastran FEA solvers and 3D modeler powered by SolidWorks®. "We are excited to introduce NEi Fusion 2.1 which employs the same Nastran solvers found in all of our analysis products so you can expect solutions that are accurate, precise, and reliable. NEi Fusion is also unique because of its ability to create a collaborative work environment between designers and analysts. NEi Fusion is perfect for taking simulations to the next level with advanced capabilities such as dynamics and nonlinear analysis," said Dave Weinberg, CEO of NEi Software.

The NEi Fusion 2.1 upgrade includes:

- Automatic Bolt Element Generation for Simulating Bolted Connections
- Spatial Load Variability for Defining Hydrostatic Pressure, Interpolating Results from CFD
- Nonlinear Transient Analysis for Time Varying Nonlinear Events
- Mixed Beam/Shell Meshing for Structures Typically Found in Aerospace, Automotive, and Maritime

The full list of NEi Fusion 2.1 features can be found by visiting www.NEiSoftware.com/NEiFusion. NEi Fusion is used by product development professionals like designers and engineers to optimize design time, cut prototyping and testing costs, and improve quality. The product is also of interest to FE analysts, who like the option of a pre-post tool with CAD/FEA model associativity, and consultants, who need a Nastran solution in their simulation software portfolio.

 [Click here to return to Contents](#)

New Version of Industry Leading Swept-path Software, AutoTURN, Launched

19 February 2010

CIMdata PLM Industry Summary

Transoft Solutions announced the launch of AutoTURN 7. The newest version of Transoft Solutions' CAD based swept-path software has added features and enhanced functionality that will be demonstrated in a series webcasts on February 25, March 3, and March 10, 2010.

"We're excited to be releasing this version of AutoTURN. This is a swept-path software that has traditionally had more transportation engineering know-how and research behind it than others within the industry and we've worked hard to put more into this version," said Product Manager Mike Frost. "Designers will benefit from the product of that research in a more capable software that now includes support for specialty transport vehicles."

AutoTURN 7 supports specialized transport systems in its SmartPath tools. This includes a library of specialized vehicles that includes: Wind Tower Trailer, Wind Blade Trailer, 19-axle Heavy Haul, Beam Transporter I, Beam Transporter II, and a Booster Trailer. These specialized vehicle configurations allow Independent Rear Steering (IRS).

Complementing the addition of the specialized transport systems support are three new functions. The Override Angle/Path Angle function allows designers to use a fixed or dynamic angle during forward simulations with IRS vehicles; to control rear bogie steering independently of the tractor to assess the potential drive path. Billy Chan, EIT, conducted extensive testing to ensure the accuracy of the movement characteristics algorithm. Three Part Reverse simulations for three part vehicles have been included in AutoTURN 7. Additionally, with the introduction of Telescoping Joint trailer support gives AutoTURN users the ability to design using logging trucks or create new types of vehicles with similar characteristics.

AutoTURN 7 allows designers to take their specialty transport system vehicles one step further to include cargo parameters. Cargo details, within the View/Edit Vehicle function, is a new ability to define the cargo size or set limiting factors to vehicles to operate within industry standards to prevent damage to the payload or surrounding infrastructure. Designers can also include cargo when working with specialized transport systems in the Simulations Properties. The Vehicle Cargo function draws the combined swept-path envelope of the vehicle body and the cargo to give designers a better visual representation of the clearance and tolerances.

"This version of AutoTURN is more robust than it has ever been," said Frost. "Designers will get more productivity out of this software, than any that have come before it."

Further information about AutoTURN 7, including a full list of new features and functions, a downloadable brochure, sign up for an evaluation copy, product videos, and AutoTURN training solutions can be found at www.transoftsolutions.com/AutoTURN. To sign up for the launch demonstration webcast please visit <https://transoftsolutionsevents.webex.com>

 [Click here to return to Contents](#)

Planisware Launches New On-Demand Solution Planisware Live™

11 February 2010

Planisware™, a global provider of world-class project and portfolio management (PPM) solutions for companies across myriad industries – including pharmaceutical, biotechnology, medical device, energy, aerospace and defense, automotive, and high-tech – today announced the launch of its first on-demand PPM solution, Planisware Live™.

Combining the unique configurability and features of Planisware's on-premise solution with the ease

CIMdata PLM Industry Summary

and convenience of a SaaS environment, Planisware Live delivers a secure, complete on-demand PPM solution to customers who are unwilling or unable to invest the time and management required by on-premise solutions. Planisware Live is completely installed, hosted, and managed by Planisware's team of experts through single-tenant, dedicated servers located in a state-of-the-art data center. Built on a scalable platform, the solution can change and grow to adapt to different business needs and usage spreads, and data and configuration can easily be migrated to an on-premise solution.

“Over the past two years, the face of the marketplace has changed significantly and, with that, so too has the PPM industry,” said Pierre Demonsant, CEO and founder of Planisware. “Subsequently, organizations are increasingly requesting on-demand PPM. As meeting customers' needs is our number one priority, Planisware decided to deliver an on-demand option that maintains the high-level of functionality inherent in our award-winning on-premise solutions. Planisware Live accommodates the growing demand for best-in-class on-demand PPM and ensures that our customers have options when choosing the solution that best meets their individual requirements.”

Planisware Live is available immediately.

 [Click here to return to Contents](#)

PTC Extends Explicit Modeling Technology Leadership with CoCreate 17.0

22 February 2010

PTC® announced CoCreate® 17.0, the next major release of its explicit modeling 3D CAD software. CoCreate continues to extend its market leading position by helping companies achieve short design cycles and create one-off product designs quickly. CoCreate 17.0 is scheduled to be available during Q2 CY 2010.*

Many companies today are burdened to meet design and production goals with fewer resources than ever. Targeting this challenge, PTC delivers productivity increases with CoCreate 17.0 by leveraging concepts and techniques familiar in 2D to make its 3D solution very easy to understand and use.

Performance benchmarks by users around the world verified significant productivity gains with CoCreate 17.0 as compared to CoCreate 16.0:

- Accelerated design productivity by up to 2x
- Reduced time spent creating 2D profiles by 40%
- Models modified up to 2x faster
- Models modified with the new push and pull design paradigm 3x faster
- Reduced the time spent creating and modifying advanced 3D patterns by 60%

With CoCreate 17.0, over 560 enhancements across the CoCreate family are being introduced, including interactive, intuitive ways of working with 2D profiles and 3D models:

- Real-time explicit modeling and rendering
- Context-sensitive mini-toolbars
- New interaction paradigms and tools to minimize need for traditional UI
- Intelligent 3D dimension drive change for complex modifications

CIMdata PLM Industry Summary

- Leverage of model geometry in the 2D workplane, automatic projection and catch
- Intelligent feature recognition, including recognition on imported models
- Cross-part and assembly model modification, plus simultaneous modification across imported and native models

CoCreate and Pro/ENGINEER® now work together to allow companies using both tools, either themselves or through suppliers, seamless product development collaboration.

CoCreate and Pro/ENGINEER compatibility allows:

- High quality import of Pro/ENGINEER parts and assemblies into CoCreate Modeling
- High quality GRANITE-based export of parts and assemblies from CoCreate Modeling
- Maintained associativity with Pro/ENGINEER and exported geometry
- Leveraged part and assembly associativity via the Pro/ENGINEER associative topology bus (ATB)

“When working with CoCreate 17.0, up to 90% of the time I’m using the new context sensitive mini-toolbars, and directly working on the model,” said Stefan Kolb, design engineer. “That means I’m much faster, with a lot less mouse clicks and mouse travel. I very rarely use the traditional main task bars and menus anymore.”

“CoCreate Modeling 17.0 increases everyday design productivity by delivering key new capabilities for faster design,” said Brian Shepherd, executive vice president of product development at PTC. “Many new capabilities were developed in cooperation with global machinery and high-tech electronics customers that rely upon the industry’s leading explicit 3D CAD system for 3D product design. The majority of the concepts in CoCreate 17.0 parallel those found in the 2D CAD world, making adoption easier than ever before.”

For more information about CoCreate, please visit <http://www.ptc.com/products/cocreate/>.

CoCreate 17.0 Availability

*The timing of any product release, including any features or functionality, is subject to change at PTC’s discretion.

 [Click here to return to Contents](#)

Spatial’s CAD Translation Components Help Drive 3D-Tool Sales Growth

22 February 2010

Spatial Corp. announced that 3D-Tool, a provider of 3D visualization and collaboration tools, has recently released 3D-Tool Premium Version 9 which includes native CAD import and export capabilities. The product incorporates Spatial’s 3D InterOp components to provide high-quality CAD translation for model visualization, analysis and collaboration. 3D-Tool, headquartered in Germany, selected 3D InterOp due to its ease of integration, full suite of native CAD translators, and Spatial’s local sales and support team. The company has seen a rapid rise in product sales since the introduction of the latest release in November 2009.

"We evaluated several different options for our native CAD translation needs. Spatial components impressed us with the quality of the translations. Perhaps equally important was Spatial sales and support team’s responsiveness to our inquiries," commented Mr. Ingo Wulf, 3D-Tool Founder and CEO.

CIMdata PLM Industry Summary

"We selected 3D InterOp, implemented the components and released the product all within four months. We had pent up customer demand for the product, so time-to-market was critical and we could not have delivered so quickly without Spatial's support."

The 3D-Tool product line addresses the need to visualize, accurately measure, collaborate, and share 3D models among all product development stakeholders. The tools eliminate the need for users to have access to and expertise in a particular CAD system to perform functions such as model rotation; distance measurements; volume and surface area calculations; cross-section analysis; exploded views; hide and show parts; and basic animations. Customers choose 3D-Tool for the product's ease-of-use and clear value proposition.

"Offering high-quality and easily-integrated CAD translation components are only part of our value proposition. Since Spatial has over two decades of experience providing software components to hundreds of companies, we understand our customers' development needs and provide the necessary services and support to ensure they meet their development goals," stated Ray Bagley, Spatial Director of Product Planning and Management. "3D-Tool is a great example of a customer that recognized all the advantages of partnering with Spatial."

About 3D-Tool

3D-Tool provides a professional, easy-to-use and cost-effective CAD viewer and converter with a wide range of functionality to communicate 3D-designs across the project team and with stakeholders, customers and others in need of a sophisticated design review. The product includes native CAD translation to exchange CAD data between different CAD programs. Located in Heddesheim, Germany, since 2000, 3D-Tool helps customers speed up and ease the review of CAD data and, most importantly, avoid expensive mistakes caused by communication errors. For more information please visit <http://www.3D-Tool.de> or contact the 3D-Tool Team by e-mail at Team@3D-Tool.de.



[Click here to return to Contents](#)