

## Contents

<b>CIMdata News</b>	<b>2</b>
CIMdata Publishes “Beyond Simulation Data Management”	2
<b>Acquisitions</b>	<b>3</b>
MSC Software Acquires Composite Material Simulation Leader e-Xstream	3
<b>Company News</b>	<b>4</b>
Altair is Named Computer Software Company of the Year and Earns a Gold Stevie® Award at the 2012 American Business Awards <sup>SM</sup> Ceremony	4
Autodesk and Dar Al Riyadh Drive BIM Adoption in KSA	6
AVEVA Expands Partnership with CNPDC in China	7
AVEVA Signs Strategic Alliance MOU with SEDIN Engineering	8
Dassault Systèmes and HYDROCHINA CHENGDU Establish Partnership to Provide Hydropower Engineering Industry Solution Experiences	8
Nemetschek Vectorworks and IES Form Strategic Partnership	10
SPRING Technologies Signs PLM-SYSTEMS as New Reseller in Tunisia, North Africa	10
Tekla Launches in Bangladesh	11
TradeStone Software Promotes Chris Morrison to Chief Operating Officer	12
<b>Events News</b>	<b>13</b>
AVEVA Presents the ‘Future of Plant Design’ at ADIPEC 2012	13
CimatronE 11 to be Previewed at BI-MU, Italy	14
Delcam CRISPIN to Show New Footwear Software at SIMAC	15
Delcam to Show New DentMILL Dental Milling Software at Dentech China	16
Jotne and Lockheed Martin to Host Seminar on New Technologies for Engineering Data Interoperability	17
Lantek Brings its Most Powerful Sheet Metal Software Solutions to EuroBLECH 2012	18
Objet and DemaPlasTech to Exhibit Advanced 3D Printing Technologies at AfriMold 2012	19
PCO Innovation 2012: The PLM Forum That is not to be missed	20
Radan to Highlight WebQuoting and Bending at EuroBLECH	20
Spontech Spine to Present at Aras ACE 2012 Germany Conference October 16-17	21
TradeCard to Showcase the Power of Extending PLM into the Supply Chain at Technia Innovation Forum	22
<b>Financial News</b>	<b>23</b>
3D Systems Announces Conference Call and Webcast to Discuss Third Quarter and Nine Months 2012 Results	23
ESI Group: Results for the First Half of 2012/13	24
Lantek Increases its Turnover by 8.3% in the First Half of 2012	25
Oracle Reports Q1 GAAP EPS up 15% to 41 Cents; Q1 NON-GAAP EPS up 11% to 53 Cents	26
Rand Worldwide Reports Fiscal Year 2012 Results	28
Successful 1st Semester Results for Missler Software	29
<b>Implementation Investments</b>	<b>29</b>
Applied Instrument Technologies Deploys SofTech’s ProductCenter PLM	29
Autodesk Product Design Suite Helps Position Turkish Auto Company for Global Success	30
Day2Night Uses SolidWorks Software to Bring Convertible Heels to Market	31
Engineers India Limited (EIL) Implements Tekla BIM software	32
Petrofac Selects Technology from Intergraph’s SmartPlant® Solutions	33
With Lectra Fashion PLM, Baroque Streamlines Development and Communication for Moussy	34

# CIMdata PLM Industry Summary

---

<b>Product News</b>	<b>36</b>
3D3 Solutions Introduces the HDI Blitz 3D Scanner at TCT Live 2012	36
AddCAD 3D Parametric Architecture App Bundled with ZWCAD; Adds Power to the Already Powerful AutoCAD® Alternative	36
All Formtek Software Products Now Available for the Alfresco® 4 ECM Platform	38
Altair's Latest Compute Manager Offers Built-In 3D and 2D Visualization of High-Performance Computing Simulations	39
Arena Solutions Enriches BOM Creation Software for Electrical Engineers	41
Cadence Allegro Accelerates Product Creation Through Efficient Collaborative ECAD Environment Using Microsoft SharePoint	42
Cadence Releases OrCAD 16.6	43
CADLearning Product Offering Expands with the Release of Enhanced eBooks for AutoCAD and Autodesk Revit	44
CES Selector adds more for Metals, Materials Substitution and Selection, and Environmental Design	45
Dassault Systemes Announces New Capabilities for Five Key GEOVIA Mining Applications at MINEXPO 2012	46
GRAITEC launches 'GRAITEC BIM Connect' for Autodesk Revit 2013	48
i GET IT® Training, 3Dconnexion SpacePilot Pro 3D Mouse Productivity Bundle – Enhanced Engineering Efficiency	49
Intercad Launches SolidWorks 2013 in ANZ	50
Intergraph® Releases CAESAR II® 2011 R1 for Advanced Integration with Smart 3D and SmartPlant® Review	52
Latest Javelin Targets Time-Saving and Efficiency	53
New Sponsorship Program Supports Students & Teachers in Manufacturing Education	55
PDF3D ReportGen Doubles Format Types, Adds PDF	55
ProPlus Design Solutions Unveils Innovative Design for Yield Software	56
Rapidform XOV Adds New Probe-Based Measurement and Speeds Up Inspection	57
SimpleCAD to Offer 4 Different Flavors of Piping Symbols for Engineers	58
Zuken's PCB Design Suites Add Support for Xilinx's Zynq-7000 All Programmable SoCs	59

## CIMdata News

### ***CIMdata Publishes “Beyond Simulation Data Management”***

25 September 2012

CIMdata, the leading global Product Lifecycle Management (PLM) consulting and research firm announces a new paper advising simulation (CAE) users on the issues posed by the exploding volume of simulation data.

The importance and the use of simulation in product development are increasing, as companies are making more product development decisions based on simulation. The number of simulations will dramatically increase as techniques for optimization and robust engineering are adopted. The resulting massive increase in simulation data raises concerns about our capability to deal with it effectively. Simulation analytics provides a way to extract relevant information and understand trends across hundreds or thousands of simulations. Companies need to adopt improved business practices to manage

# CIMdata PLM Industry Summary

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their simulation data, and to guard against warehousing data that may, in fact, never be accessed.

“Beyond Simulation Data Management” is available to be freely downloaded from CIMdata’s [Publications web page](#).

## About CIMdata

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

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

 [Click here to return to Contents](#)

## Acquisitions

### *MSC Software Acquires Composite Material Simulation Leader e-Xstream*

27 September 2012

[MSC Software](#) has announced the acquisition of [e-Xstream engineering](#). e-Xstream is a leader in advanced materials simulation used across industries to engineer innovative material systems and enable their optimal use to boost product performance. Its holistic offering uses nonlinear micro-mechanics to model a broad range of materials and physics, taking into account their manufacturing processes. e-Xstream’s [Digimat](#)<sup>™</sup> product interfaces with most FEA structural analysis codes including [MSC Nastran](#)<sup>™</sup>, [Marc](#)<sup>™</sup>, [Abaqus](#)<sup>™</sup> and [ANSYS](#)<sup>™</sup>. By employing material simulation, the testing required to validate advanced materials can be reduced to levels that allow the practical application of these materials in current designs.

Combined with MSC’s simulation tools, e-Xstream’s technology allows material simulation to be carried throughout the engineering enterprise to enable advanced failure prediction and the application of computed margins on structural component parts in situ. Instead of characterizing material margins to apply generically to the parts of a structural system, companies can design components with margins

# CIMdata PLM Industry Summary

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computed directly on the part accounting for design critical loads. The promise of advanced material systems can now be realized in practical engineering.

"e-Xstream is an extraordinary company and the joining of our organizations represents important new possibilities for our users," said Dominic Gallelo, President & CEO of MSC Software. "Entering a new material into a product can cost manufacturers tens of millions in physical testing, which limits product possibilities. Our goal is to blur the boundary between material engineering and structural engineering, allowing for more pervasive use of advanced materials while helping manufacturers to dramatically reduce the cost of physical testing needed to validate a new material system."

"We are delighted to join forces with MSC to boost our global reach and continue our leadership in the area of advanced materials and composite simulation for aerospace, automotive and many other innovative industries," said Roger Assaker, Co-founder & CEO of e-Xstream. "We remain committed to our entrepreneurial high-tech culture to develop, deploy and support advanced material modeling solutions that help all our customers to engineer and use advanced materials with their designs using MSC's or any other CAE solution."

e-Xstream engineering uniqueness comes from its holistic approach to support multiple:

- Materials: chopped fiber reinforced plastics or continuous fiber composites
- Physics: mechanical, thermal and electric
- Product performance: stiffness, strength, fatigue
- Manufacturing technologies: injection, compression or draping
- Material simulation technologies: Mean-Field or Finite Element

For more information, please visit [www.mssoftware.com](http://www.mssoftware.com) or [www.e-Xstream.com](http://www.e-Xstream.com).

 [Click here to return to Contents](#)

## Company News

***Altair is Named Computer Software Company of the Year and Earns a Gold Stevie® Award at the 2012 American Business Awards<sup>SM</sup> Ceremony***

20 September 2012

[Altair](#) was presented with a Gold Stevie® Award as Company of the Year in Computer Software at the 10<sup>th</sup> Annual American Business Awards Sept. 17.

The American Business Awards are the nation's premier business awards program. All organizations operating in the U.S.A. are eligible to submit nominations – public and private, for-profit and non-profit, large and small.

# CIMdata PLM Industry Summary

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Nicknamed the Stevies for the Greek word for “crowned,” the trophies were presented to winners during a gala banquet on Monday, Sept. 17 at the Julia Morgan Ballroom in San Francisco. More than 200 nominees and their guests attended.

This year, for the first time, The American Business Awards were presented at two awards events: the traditional awards banquet in New York in June, and at a new tech and product awards event in San Francisco.

More than 3,000 nominations from organizations of all sizes and in virtually every industry were submitted this year for consideration in a wide range of categories.

Altair earned the gold award for its achievements throughout 2011. During that period, Altair strengthened its position in the global market through its breadth of offerings and steady growth, with revenues exceeding \$200 million – up more than 20 percent from 2010. This growth propelled Altair to the top spot as the world’s largest privately held computer-aided engineering (CAE) software development company, largely accelerated by the significance of advanced technology in design, engineering and manufacturing strategies worldwide.

“We are grateful for the exceptional recognition we have received from the American Business Awards,” said Jim Scapa, chairman and CEO of Altair. “Altair is a great company in a very highly competitive category, so we are honored to be named the Computer Software Company of the Year. We hope that recognition of our achievements will help us to further realize our vision of radically changing the way organizations design products and make decisions.”

Among its notable achievements in 2011, Altair introduced version 11.0 of its popular [HyperWorks](#) CAE software and [HyperWorks on Demand](#) (HWOD), a high-performance computing (HPC) solution for design innovation in the cloud. HWOD leverages Altair’s patented licensing system and provides access to Altair’s HyperWorks software and a modern, scalable HPC infrastructure through a secure and efficient Web-based platform. It also opened a high-powered data center to support HWOD customers and manage large-scale high-performance computing jobs.

Altair also unveiled [BUSolutions](#), a collaborative effort between public and private entities to research, develop and commercialize advanced transit bus systems to revitalize public bus transportation. Altair leveraged its systems engineering approach, domain expertise from various industries and technology, including [OptiStruct](#), a finite-element based technology for conceptual design synthesis and structural optimization, to create the world’s first series hydraulic hybrid transit bus. The significantly lighter-weight bus boasts fuel economy results 110 percent better than conventional diesel buses and 30 percent better than today’s best electric hybrid buses, with lower lifetime ownership costs and no compromises in performance, safety and durability

Stevie Award winners were selected by more than 270 executives nationwide who participated in the

judging process this year.

“We’re delighted to recognize innovative companies such as Altair, new products, technical achievements, and technology executives in the ABA’s new product and tech awards categories,” said Michael Gallagher, president and founder of the Stevie Awards. “It’s gratifying and inspiring to have received so many remarkable entries for this year’s competition.”

Details about The American Business Awards and the lists of Stevie Award winners are available at [www.stevieawards.com/aba](http://www.stevieawards.com/aba).

 [Click here to return to Contents](#)

## ***Autodesk and Dar Al Riyadh Drive BIM Adoption in KSA***

25 September 2012

Autodesk today announced collaboration with Dar Al Riyadh, an engineering design firm, to drive the adoption of Building Information Modeling (BIM) standards within the Kingdom of Saudi Arabia. In addition, Dar Al Riyadh will open a new Autodesk Authorized Training Center to provide continuing education in BIM technology. BIM is an intelligent, model-based process that provides insight for creating and managing building and infrastructure projects faster, more economically, and with less environmental impact. The announcement was made today at the IQPC Building Information Modeling Summit in Qatar.

"This multi-faceted cooperation between Autodesk and Dar Al Riyadh will bring innovation solutions to the architecture, engineering and construction industries in KSA said Louay Dahmash, Middle East territory director, Autodesk "As the construction industry continues to grow in KSA, architects, engineers and building owners will benefit greatly from the improved efficiencies that Autodesk's BIM solutions offer."

Global demand for BIM has been growing rapidly as governments, building owners and construction companies look to increase efficiency, reduce waste and enhance the quality of building projects. The cooperation between Autodesk and Dar Al Riyadh will better prepare professionals in the KSA region to meet these challenges by creating access to BIM technology for current and future projects in KSA, such as a 3 million square foot, mixed-use project, a 500,000 unit housing project and the infrastructure for a 4,657 hectares Industrial City. The new Autodesk Authorized Training Center offered by Dar Al Riyadh will focus on providing implementation, training, and support for Autodesk BIM technologies to new and existing customers.

"BIM is no longer a philosophical dream," stated HHP. Mohammed Bin Turki Al Saud, President of Dar Al Riyadh. "With practical, proven advantages to the strategy, government and the private sector worldwide are quickly adopting BIM, and we are eager to work with Autodesk to bring these innovative

# CIMdata PLM Industry Summary

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technologies to our customer.” Autodesk BIM software includes a comprehensive portfolio of solutions that will enable our customers to remain competitive in the global market.

 [Click here to return to Contents](#)

## ***AVEVA Expands Partnership with CNPDC in China***

24 September 2012

AVEVA announced today that it has signed a strategic Memorandum of Cooperation (MoC) with China Nuclear Power Design Company Ltd. (CNPDC), China's nuclear power design company and a strategically central entity within the GuangDong Nuclear Group, China's second-largest nuclear player. This strategic agreement builds on a strong existing relationship between AVEVA and CNPDC that dates back to 2001. Over the years, CNPDC has continued to invest in AVEVA software solutions, which have been deployed on 26 projects. Using AVEVA technology, CNPDC has created a successful multi-site project management environment that has improved design quality and efficiency.

One of the highlights of the agreement is CNPDC's pledge to use AVEVA's PDMS for its AP1000 (Westinghouse) and Chinese 3rd generation nuclear builds. They already use PDMS exclusively for all Areva-technology nuclear projects.

'AVEVA and CNPDC recognise the fantastic opportunity and value of our strategic cooperation in the Chinese power industry,' said Paul Eveleigh, AVEVA Executive Vice President for Greater China. 'We signed the MoC in order to collaborate together on mutually beneficial initiatives including jointly-developed applications for wider distribution, technical support and training. It is very exciting to see these new programmes rolling out which will further enhance our valuable long term relationship. I believe our strengthening partnership with CNPDC will bring tremendous benefits to both parties.'

CNPDC has been invited to become an AVEVA 'Lighthouse' partner, giving them the opportunity to benefit from early product updates and enhanced training and service support.

CNPDC has already served as an AVEVA Technical Support Service Partner for the Chinese power industry, as well as providing support services for AVEVA product users in its region and industry.

Established in May 2005, CNPDC is a nuclear power design company with complete business scope in China. CNPDC has full certification in engineering consulting (Class A for nuclear and thermal power, Class C for hydroelectric power), engineering design (Class A for thermal power generation, Class A for nuclear reactor engineering, Class B for construction engineering), and a design licence in mechanical equipment for civil nuclear safety. It has passed ISO9001:2008 quality management system certification, ISO14001 environmental management system certification, and OHSAS18001 occupational health and safety management system certification, and obtained the high-tech enterprise certificate as issued by Bureau of Science and Technology of Shenzhen Municipality.

 [Click here to return to Contents](#)

## ***AVEVA Signs Strategic Alliance MOU with SEDIN Engineering***

26 September 2012

AVEVA today announced that it has signed a Memorandum of Understanding (MOU) in Beijing with SEDIN Engineering Company Limited (SEDIN) which defines a new strategic alliance between the two companies.

The MOU will position SEDIN as an AVEVA technology pioneer in the Chinese chemical industry. SEDIN will gain early visibility and access to new AVEVA software technology, in exchange for its valuable feedback towards current and future product development plans. The new relationship offers SEDIN a first-mover competitive advantage, 'setting the pace' for the industry, and AVEVA benefits from their extensive operational and industry expertise.

Working together on a number of new business opportunities and projects, AVEVA and SEDIN will develop a chemical-specific engineering software solution platform, ensuring applications are compliant with local regulatory requirements while adopting global industry best practice.

'SEDIN has valuable experience using AVEVA PDMS that has already helped them to achieve many business benefits', said Paul Eveleigh, AVEVA Executive Vice President for Greater China. 'Our existing successful relationship makes SEDIN an ideal choice to be an AVEVA technology pioneer with its profound industry influence and position. We look forward to expanding our working relationship with SEDIN and are confident we can help our customer meet their challenging technical and business objectives utilising AVEVA's engineering design and enterprise solutions. This is an enhanced cooperation with SEDIN, taking advantage of their business process expertise and our software technology excellence. This will bring a new level of information management and Integrated Engineering & Design efficiency to the chemical industry in China.'

 [Click here to return to Contents](#)

## ***Dassault Systèmes and HYDROCHINA CHENGDU Establish Partnership to Provide Hydropower Engineering Industry Solution Experiences***

27 September 2012

Dassault Systèmes today announced the creation of a joint research and development center for hydropower engineering digitalization with HYDROCHINA Chengdu Engineering Corporation (HYDROCHINA CHENGDU), a hydropower engineering design and consulting firm for hydroelectricity in China, and Simu Tech Inc. (SIMUTECH). The joint R&D center is committed to providing hydropower industry solution experiences based on Dassault Systèmes' 3DEXPERIENCE platform, to streamline construction processes, enhance hydropower engineering industry design capabilities, and help harmonize dams with nature and life, minimizing the impact on both of them. The

# CIMdata PLM Industry Summary

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partnership announcement was made today during the seventh EU-China Fair.

Dassault Systèmes' 3DEXPERIENCE platform has been successfully used by leading companies in the hydropower industry to better model, simulate and manage design and construction projects of various sizes. Through this strategic collaboration with HYDROCHINA CHENGDU and SIMUTECH, Dassault Systèmes aims to deliver state-of-the-art hydropower industry solution experiences, providing competitive edge content and services to spur technological innovation and digitalization. Dassault Systèmes' 3DEXPERIENCE platform will greatly enhance the efficiency of design, simulation and management of hydropower projects of various sizes, while reducing errors, maintaining tight budget control, project schedules and safety.

The three partners will commit full-time research personnel to this center, which will be located at HYDROCHINA CHENGDU offices.

HYDROCHINA CHENGDU, a state-level high-tech enterprise founded in 1955, is a large enterprise on hydroelectricity survey and design, as well as one of the top Chinese design and engineering firms among the Global 500 list of power construction corporations. Founded in 2002, SIMUTECH is an officially recognized high-tech company with substantial experience in software development and tailored application for the hydropower engineering industry.

"It is a sound strategic move for HYDROCHINA CHENGDU to deepen its cooperation with Dassault Systèmes in order to take advantage of Dassault Systèmes' 3D collaborative design leadership and implement a forward-looking strategy for engineering," emphasized Zhang Jianyue, president, HYDROCHINA Chengdu Engineering Corporation. "The R&D center, with the support of Dassault Systèmes' state-of-the-art 3DEXPERIENCE platform and industry-specific strategies, aims to contribute to the technological advances in the energy industry."

"This R&D center will extensively serve the hydropower and other energy industries, and will have profound implications for the digitalization of the entire energy industry," said Zhao Li, general manager, SIMUTECH.

"China is the first country in the world for the development of new hydropower plants," said Monica Menghini, Executive Vice President, Industry and Marketing, Dassault Systèmes. "This creates a unique opportunity for Dassault Systèmes to help improve people's life and help customers harmonize large projects with the environment. Through the cooperation with industry leaders such as HYDROCHINA CHENGDU and SIMUTECH, we will define and deliver high value industry solution experiences for this sector."

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## ***Nemetschek Vectorworks and IES Form Strategic Partnership***

25 September 2012

Nemetschek Vectorworks, Inc. and Integrated Environmental Solutions (IES), today announced the formation of a partnership that will allow for the collaboration of Vectorworks® Architect and IES Virtual Environment software (IESVE).

“The partnership between Vectorworks and IES will result in the first significant energy modeling and analysis solution for a major architectural BIM program using the IFC file format,” says Sean Flaherty, CEO of Nemetschek Vectorworks. “It reinforces our support of the Open BIM movement, as true interoperability allows our customers to work with the best products in each category.”

Nemetschek Vectorworks and IES began collaborating on practical workflows at the early stages of this partnership and have established an effective connection between the two programs using the IFC (Industry Foundation Classes) file format, the preferred Open BIM data model of buildingSMART International. Additionally, since the release of Vectorworks Architect 2013, data can be exchanged via gbXML.

In order to maximize the quality of models being used for green-building analysis, the IFC connection implements a geometry transport of “thick-wall” models for energy analysis (via SpaceBoundary elements) with shading surfaces.

“Interoperability between sustainable analysis tools and architectural BIM is an extremely important part of creating truly sustainable architecturally aesthetic buildings,” says Dr. Craig Wheatley, Director of IES. “The IFC connection, the first of its kind, between Nemetschek Vectorworks and IESVE leverages the power and detail availed by the IFC format.”

 [Click here to return to Contents](#)

## ***SPRING Technologies Signs PLM-SYSTEMS as New Reseller in Tunisia, North Africa***

25 September 2012

SPRING Technologies, a software vendor specialized in delivering software solutions for the production environment, today announced the signing of a new partnership agreement with PLM SYSTEMS, an integrator with high added value on CAD and PLM systems, based in Tunisia. This agreement covers the distribution and implementation by PLM SYSTEMS of the software suite NCSIMUL SOLUTIONS, and more particularly NCSIMUL for machining simulation, OPTITool for machining optimization, NCDoc for the generation of technical sheet and 3D NC simulation movies and configured and optimized post-processors.

### **The benefits for Tunisian industrial firms**

# CIMdata PLM Industry Summary

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Achour Kamel, Managing Director of PLM-Systems, says: "Today our customers, users of CAM solutions in Tunisia, rely on the performance of post-processors to translate toolpaths to machine code, with a risk of non-zero error. The software suite NCSIMUL SOLUTIONS from SPRING Technologies will give them the guarantee of "zero defects" and an optimized machining time. We believe this will deliver significant quality gains and cost and time savings."

## **Executive feedback**

Gilles Battier, CEO of SPRING Technologies: "We are continuing our strong growth in exports. Through this new partnership, we will enable innovative Tunisian companies to implement a worldwide proven technology to simplify, verify, secure and optimize their machining path."

Kamel Achour: "This partnership with SPRING Technologies for the distribution and technical support in Tunisia of its NC dedicated solutions for digital manufacturing, gives us the opportunity to expand our product offerings and services. Indeed, we can now extend our core offering with simulation solutions dedicated to machining. This will enhance the theoretical simulation executed by the CAM software, and link directly to the reality of the CNC machines in the production environment."

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

 [Click here to return to Contents](#)

## ***Tekla Launches in Bangladesh***

24 September 2012

Tekla has announced its presence in the Bangladesh market. With this launch Tekla will now offer its 3D BIM software especially to the Pre-Engineering Buildings (PEB) segment in Bangladesh through its official local partner Win-Win Infosys Ltd. Tekla started its journey in Bangladesh with the target to expand its business in South Asia. This event was organized on 24th September 2012 at the Westin Hotel, Dhaka.

During this launch, Mr. Nirmalya Chatterjee, Chief Operating Officer of Tekla India spoke about the benefits and competitive superiority of the software for the booming construction industry in Bangladesh. He underlined that for a developing nation like Bangladesh, Tekla BIM software will help in decreasing the project run-through time, increase construction co-ordination, provide better design management and increase cost savings. This will assist project development team for carrying out errorless projection of requirements of project materials aided by accurate measurement matrixes.

Tekla has made a strategic business association with Win-Win Infosys Ltd. a leading Bangladesh based company specializing in engineering software products. This association will help local construction companies to avail local support for implementing Tekla technology in their upcoming projects. At this occasion Win-Win Infosys also announced a special promotional offer for the Bangladesh market.

# CIMdata PLM Industry Summary

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This event was witnessed by 150 delegates from 80 renowned companies and 10 engineering institutions and many government officials from Bangladesh.

 [Click here to return to Contents](#)

## ***TradeStone Software Promotes Chris Morrison to Chief Operating Officer***

26 September 2012

[TradeStone Software](#), delivering [Merchandise Lifecycle Management \(MLM\)](#) solutions that unify the design, sourcing, ordering and delivery of retail goods, today announced Chris Morrison has been appointed Chief Operating Officer to manage the company's accelerated growth and increased PLM market share.

Morrison will oversee the day-to-day operations of TradeStone and activities from the Sales, Marketing, Product and Service departments as the company expands its dominance in the retail and brand manufacturing PLM space.

During his two-year tenure at TradeStone, Morrison has delivered record sales, opened up new markets, and driven a strategy to catapult TradeStone to its current position.

A 10-year veteran of the retail technology space, Morrison previously held senior management roles at Oracle Retail, ProfitLogic, and i2 Technologies. He holds an MBA and MS in Mechanical Engineering from the Massachusetts Institute of Technology and a BS in Engineering from the University of Pennsylvania.

“Since coming to TradeStone two years ago, Chris has greatly advanced our sales and marketing position delivering record sales in the Americas and executing on a marketing plan that has helped catapult us to the number one slot in the PLM for retail market,” said Sue Welch, CEO, TradeStone Software. “During his leadership, we returned to double digit growth, have more than tripled our pipeline of new business and have opened up new markets including food, wholesale and manufacturing. I look forward to working with him in his new role as he drives TradeStone to new successes and geographies.”

 [Click here to return to Contents](#)

## Events News

### *AVEVA Presents the 'Future of Plant Design' at ADIPEC 2012*

26 September 2012

AVEVA announced today that it will present the 'Future of Plant Design' at the Abu Dhabi International Petroleum Exhibition and Conference (ADIPEC) 2012. 'The Future of Plant Design' is AVEVA's vision for a new level of performance for plant design. The new product will deliver design efficiency, collaboration and compliance management to drive competitiveness and sustainability. In addition AVEVA's solutions for Integrated Engineering & Design and Information Management will also be showcased. The event is being held at the Abu Dhabi National Exhibition Centre (ADNEC), Abu Dhabi, UAE from 11-14 November 2012.

'ADIPEC attracts some of the most important players in the Middle Eastern oil & gas industry', said Evgeny Fedotov, Senior Vice President, Russia, India & Middle East, AVEVA. 'It is a great opportunity for us to present our portfolios and showcase our future vision. We look forward to engaging with Owner Operators and EPCs to demonstrate our operations, maintenance and engineering design software.'

The technical vision for AVEVA's 'Future of Plant Design' includes:

- A 3D modelling capability which is 'real world' representation quality, combining the best 3D graphics and laser scanning point clouds
- A 2D drawing capability, fully automated and integrated with the 3D model
- Full interoperability with other design systems in the design process
- An architecture that can support project re-use and modular design
- An integration with laser scanning point clouds for dimensional control in construction.

AVEVA's Integrated Engineering & Design approach improves project efficiency and reduces engineering and design costs by offering complementary products that draw on common processes, disciplines and deliverables, through a single managed information model. For more information visit [www.aveva.com/plant](http://www.aveva.com/plant).

AVEVA's Information Management solutions are delivered through the AVEVA Enterprise portfolio. These solutions help EPCs and Owner Operators reduce project and operational risk, time and cost while improving safety, quality and data integrity. For more information visit [www.aveva.com/enterprise](http://www.aveva.com/enterprise).

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## *CimatronE 11 to be Previewed at BI-MU, Italy*

27 September 2012

[Cimatron Limited](#) today announced that the new version of its integrated CAD/CAM CimatronE software will be previewed at the BI-MU trade show to be held in Milan, Italy, from October 2-6, 2012.

"CimatronE is well known across Italy as a highly effective, reliable and proven solution for any tool shop seeking to remain successful in a highly competitive market," said Mr. Gianluca Renzi, CEO of Microsystem, Cimatron Group's Italian subsidiary.

"Building on this sterling reputation, the new CimatronE 11 offers an array of technologically advanced capabilities that will boost users' productivity and maximize product quality.

"CimatronE 11's new ECO tool, for example, will drastically reduce the time spent by designers in handling Engineering Change Orders by analyzing and seamlessly incorporating an unlimited number of changes into an existing model.

"The new advanced analysis tools for a range of functions, such as for springback deform and wall thickness, will boost product integrity and users' ability to machine with confidence.

"The integration of the acclaimed VoluMill technology in both 2.5-Axis and 3-Axis Rough will enable the ultra-fast removal of high volumes of material.

"The new Quick NC-Process productivity accelerator will ensure the super-fast programming of the entire machining process.

"In short, CimatronE 11 is a major productivity booster for tool shops, and I encourage BI-MU delegates to visit our booth for a demonstration of the software's features and all the many benefits that it can offer them," concluded Mr. Renzi.

The Microsystem display at BI-MU will be at booth Pav.11, Stand F50.

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## *Delcam CRISPIN to Show New Footwear Software at SIMAC*

25 September 2012

Delcam CRISPIN will preview the 2013 versions of its ShoeMaker concept design and Engineer Pro pattern development and grading software for the footwear industry at the SIMAC exhibition to be held in Bologna, Italy, from 9th to 11th October. Delcam CRISPIN is the world's largest supplier of CAD/CAM software to the footwear industry and is the only supplier able to provide a complete solution for the design and manufacture of lasts, uppers and soles.

ShoeMaker is the product of choice for 3D conceptual footwear design and is the only solution to combine the design and modelling of uppers and soles within the same 3D environment. The software helps users to produce realistic 3D footwear models for design and marketing reviews, whilst reducing the number of samples produced, improving communications between the design and manufacturing teams, and reducing overall product time to market. With any required design iterations easily made, the approved design model and flattened patterns are ready for engineering.

New functionality for ShoeMaker 2013 includes user-defined flattening for Offset Concept Lasts (OCL), improvements to the last import with automatic detection of the centre lines, and better control for the positioning of image stencils, including a three-point alignment tool. There is a new Flattening Parameter File editing tool for adjusting specific aspects of the flattened forms, plus some additional fine controls to change the shape of the flattening.

A special tool has been added to change the appearance of the design model to display a 'relaxed look' as if the last has been physically removed from the shoe. Finally, a new pattern assessment tool for pre-costing of the pattern pieces has been added.

Engineer Pro helps users to produce 2D sample and graded footwear patterns for manufacturing in the fastest possible time, whilst also assisting in the management of tooling costs. Advanced tools like 'Edge Templates' reduce pattern development times dramatically, so improving throughput and reducing time to market.

New functionality includes Single Click Boundary, a new way to create boundaries where a left-click in a closed area creates a boundary from the enclosing lines. An option has been added to the Radius/Chamfer function allowing a radius to be quickly added to any intersection of a part. Plus a new option, 'Single Box' has been added to the Print Boxes dialogue.

There are also improvements to the speed in which the Boundary, Chain and Join functions are used and an easier way to convert corner points to curve points using the Shift key and 'C' button.

In addition, there is now a new option to adjust the icon size of the main tool bars and tool-trays to the smaller size of 24x24. This option increases the size of the working area, a request which has been requested by several customers.

# CIMdata PLM Industry Summary

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There have also been some significant changes and improvements to the installation process and the environment configuration for Engineer Pro.

The combination of Engineer Pro and ShoeStyle provides a powerful combination of 3D and 2D tools to ensure that any manufacturing issues are detected earlier in the development cycle by improving communication between the design and pattern making departments. This reduces the number of design iterations and so allows the time to market to be shortened significantly.

 [Click here to return to Contents](#)

## ***Delcam to Show New DentMILL Dental Milling Software at Dentech China***

24 September 2012

Delcam will show the latest version of its DentMILL software for the milling of dental implant restorations at the Dentech China exhibition to be held in Shanghai from 26th to 29th October. DentMILL 2012 is a major upgrade that includes a new interface to make the system even easier to learn and to use, improved nesting for more efficient use of materials and faster calculation times.

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

Material use has been made more efficient with improved and more flexible nesting tools to position the various restorations within the block. In particular, the ability to undertake part-to-part pinning has been added, rather than having to use separate support pins for each restoration. As well as being positioned in the most efficient 2D arrangement, the restorations are oriented in the optimum alignment so that the most cost-effective thickness of material block can be used.

The milling templates supplied with the software have been extended to a wider range of materials, including titanium, cobalt-chrome and glass ceramics. These allow highly automated generation of toolpaths. Of course, users can still develop their own templates for any unique materials they machine.

DentMILL has also benefited from enhancements to the latest version of PowerMILL on which it is based. These include a number of new strategies that offer smoother machining to give the best possible surface finish. In addition, new background-processing capabilities mean that toolpath calculations can be started on the first items added to the block, while the remaining restorations are still being positioned. The technology also allows work to be undertaken simultaneously on a number of projects. Both capabilities can reduce the overall calculation times significantly.

# CIMdata PLM Industry Summary

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

Delcam is able to offer a complete, open implantology solution, from accurately capturing the implant position and orientation, through to the high-precision, multi-axis milling of customised abutments, implant bridges and dental bars, with a management system to track every stage of the process. The company remains committed to its drive to replace "closed" manufacturing methods, in which the user is restricted to the use of a limited range of equipment and materials, with "open" systems, in which manufacturers can combine their own choice of equipment and software, and then use a broad variety of materials. Thus, DentMILL can take models from most dental design systems and generate toolpaths to manufacture restorations in various materials on a wide range of machine tools.

 [Click here to return to Contents](#)

## ***Jotne and Lockheed Martin to Host Seminar on New Technologies for Engineering Data Interoperability***

26 September 2012

Jotne Group and Lockheed Martin Aeronautics will conduct a seminar on Nov. 28, on the subject of "*Inspiring Interoperability of Information*". The seminar will help companies comply with the ISO standards for data exchange and sharing of engineering and logistics support data.

Jotne and Lockheed Martin will present information about the technology requirements for complying with the new ISO standards and will also provide an overview of tools and information available to assist with compliance.

More specifically Jotne will showcase its new technology "Open Simulation Data Management" (Open SimDM), a joint development between Jotne and Lockheed Martin that enables support for the ISO STEP and PLCS standards with a focus on integrated PLM, CAD and Engineering Analysis (FEM) information. The long term archiving of such data will also be addressed by Open SimDM.

In addition, case studies from the F-35 Fighter FACO program, Norwegian Oil and Gas projects and the Building sector will be presented. The U.S. based company Kiewit Corporation, one of the largest and most respected construction organizations in North America, will also present their strategy for using the Open standards.

# CIMdata PLM Industry Summary

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The seminar also covers frequently asked questions about the standards and technology requirements. This event will be held in Oslo, Norway, at the Oslo Military Society conference facilities. The seminar will be open to the public with seating on a first-come, first-served basis and require registration at <http://www.jotne.com/simdm> which includes the agenda and related documentation.

For additional information about the seminar, contact [Simdm@jotne.com](mailto:Simdm@jotne.com) or (+47) 23 17 17 00.

 [Click here to return to Contents](#)

## ***Lantek Brings its Most Powerful Sheet Metal Software Solutions to EuroBLECH 2012***

27 September 2012

Lantek considers EuroBLECH to be the ideal place for building on its success in the German market where it has achieved growth of more than 40% in the first half of 2012, making it a strategically important business region.

Lantek is in CAD/CAM and MES/ERP software for the sheet metal and structural steel industry and will be demonstrating the latest innovations in its advanced software solutions on stand B63 in Hall 12.

The 22nd EuroBLECH which is to be held from 23rd to 27th October in Hannover is well established as an important worldwide event for professionals from the sheet metal and structural steel industry. It will bring together 1,400 exhibitors from 40 different countries providing an opportunity for visitors to see the latest innovative machines, materials, systems and intelligent tools available in the industry and will give them the chance to select the equipment best suited to their needs for sustainable production.

EuroBLECH 2010 welcomed over 60,000 visitors and for Lantek, the 2012 show is a key platform for evaluating the new business and economic requirements and trends for a global industry. Additionally, Germany is a highly important market for the company. Lantek Germany has achieved a 42% increase in turnover during the first half of 2012 and now has more than 850 customers.

As part of its commitment to EuroBLECH 2012, nearly all the German staff will be at the exhibition including commercial, technical and support personnel, which will give both customers and people new to Lantek's solutions the best chance of evaluating the innovative and revolutionary technology that company offers in an informative and collaborative environment.

Lantek has a long history of technological advances, which has given it knowledge of the needs and best practice of its industry. It has also built many long term partnerships with clients and machine tool manufacturers for their mutual benefit. Techniques developed in these partnerships provide valuable feedback to the company's R&D centre enabling it to innovate rapidly and effectively and deliver the most advanced software to its worldwide commercial and technical network.

# CIMdata PLM Industry Summary

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By offering a consultative approach to clients, Lantek's team of professionals can select the most appropriate solution from its wide product portfolio. It can meet the needs of any scenario in sheet metal manufacture including sheet, tube and profile cutting by offering cost effective and innovative solutions that work in a real business environment. For structural steel applications, for example, Lantek can offer Lantek Steelworks which has been specifically designed for the needs of this industry sector.

Lantek has doubled the size of its stand at EuroBLECH 2012, emphasizing its commitment to the exhibition and to the German market. Its team looks forward to welcoming visitors to its stand B63 in Hall 12.

 [Click here to return to Contents](#)

## ***Objet and DemaPlasTech to Exhibit Advanced 3D Printing Technologies at AfriMold 2012***

27 September 2012

[Objet Ltd.](#) today announced that the company will exhibit its range of 3D printing solutions, together with its local South African partner, DemaPlasTech PTY, at AfriMold 2012.

“During AfriMold we will exhibit two different professional 3D printing systems from opposite ends of the price-spectrum,” explains Jacques Kleynhans, director of DemaPlasTech. Participants at AfriMold will be able to experience up close Objet [desktop 3D Printers](#), regarded as top of the line professional desktop systems offering 28 micron layer resolution and up to 7 different materials including clear transparency and engineering-plastics performance. In addition, an Objet Connex [multi-material 3D Printer](#) will be on display – offering a choice of over [100 different materials](#) and the ability to print varying material properties in one part, such as varying color shades, flexibilities and transparencies.

Zehavit Reisin, head of the consumables line of business at Objet, will also be in attendance speaking on the topic of “From Design to Reality.”

The sole distributor of Objet line of 3D printers in South Africa, DemaPlasTech has been meeting the needs of a variety of clients for many years. According to Kleynhans; “The company places major importance on customer satisfaction and our partnership with Objet has afforded the marketplace a mix of great technology coupled with first-class service provided by DemaPlasTech.”

“With this winning combination, progressive South African manufacturers who invest in the Objet line of 3D printing technology can lead the way forward and remain competitive in a tough global market,” concluded Kleynhans.

Visitors will be able to view the Objet range of 3D Printers and speak to representatives at booth C47.

 [Click here to return to Contents](#)

## ***PCO Innovation 2012: The PLM Forum That is not to be missed***

14 September 2012

PCO Innovation, an independent Product Lifecycle Management (PLM) consulting and services company, announced its plans to organize its first PLM conference in North America. This initiative is a direct result of client demand and the success of previous editions in Europe.

There has been an increased significance in globalized markets and rapid changes in information technology. The latter has forced today's most efficient companies to analyze their PLM strategies and business processes across various platforms. The forum aims to touch upon these challenges by discussing effective knowledge management tools, monitoring tools, costs reduction strategies and process harmonization. As the event is independently organized by PCO Innovation, the conference is completely neutral vis-à-vis PLM vendors and thus, encourages discussion and balanced viewpoints.

Presentations will be given directly by industrial leaders, thus focusing on the user's perspective. Attendees will have the opportunity to learn and benefit from the experience of major companies in the aeronautic, automobile, energy and life science fields.

According to Carl Fortin, Director of North American operations, "The conference is an excellent opportunity to network and share common issues faced by various industries – all in a neutral and friendly environment. Our goal is to create an open debate and in turn, generate a collective wealth of knowledge for all attendees."

Do not miss this opportunity! While the PCO Innovation Forum is a free event, spaces are limited. Therefore, please visit our website [www.pcoforum.com](http://www.pcoforum.com) to register as soon as possible and to obtain additional information.

 [Click here to return to Contents](#)

## ***Radan to Highlight WebQuoting and Bending at EuroBLECH***

24 September 2012

Radan will highlight its unique WebQuote service, along with offline press brake software Radbend, at the EuroBLECH exhibition in October.

The world's largest exhibition for the sheet metal working industry is the perfect showcase for Radan, as they will also be demonstrating the latest version of the Radan sheet metal CAD/CAM software. Radan 2013 provides greater automation while still giving the user manual options, if required.

# CIMdata PLM Industry Summary

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It contains key enhancements to the navigational tools, increasing accessibility to functions; along with improved integration of Radbend; and the addition of colour making it easier to identify parts, both pre and post production.

But it is Radan BV's web based quoting portal for sheet metal parts, WebQuote, that is likely to be a main focus of attention for visitors to stand A23, in Hall 011. Radan BV Managing Director Ton Derksen says it is a unique way of putting sheet metal working companies in touch with customers.

“A customer logs on to subcontractor's website portal, uploads DXF-files of the parts they want to order, fills in the part details including material, thickness and quantity, and then submits the request. Within a couple of moments the quote comes through, and if it's acceptable the customer submits the order. The subcontractor then receives the DXF-files, Radan parts, bill of materials and order information via the WebQuote server.”

Radan will also be demonstrating how offline press brake programming with Radbend overcomes the problem of the metal bending process often causing a bottleneck in the production line. By integrating offline programming software into the manufacturing process, throughput is increased on each machine, speeding up the process and improving efficiency.

At the EuroBLECH Radan is introducing new Radbend CAD-interfaces for Inventor and SolidWorks, so Radbend can be used as a bend simulation tool for engineering as well.

Ton Derksen is also confident that he will be able to secure a reseller partnership for Germany from amongst EuroBLECH's network of exhibitors and visitors.

 [Click here to return to Contents](#)

## ***Spontech Spine to Present at Aras ACE 2012 Germany Conference October 16-17***

25 September 2012

Aras<sup>®</sup> today announced that Spontech Spine Intelligence AG, a medical device company specializing in spine surgery, will present at ACE 2012 Germany. ACE 2012 Germany, an international Aras Community Event (ACE), takes place 16 & 17 in Bad Soden. Roland Streuf, COO & Director Quality, Regulatory and Clinical at Spontech Spine will present Engineering in The Human Body using Aras as its Enterprise PLM Platform.

### **ACE 2012 Germany**

Date: **October 16 & 17**

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

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

# CIMdata PLM Industry Summary

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Details and Registration: <http://www.aras.com/ACE2012Germany/>

Spontech takes a fundamentally new, systemic approach in spine surgery. Combining clinical knowledge, supporting software, innovative implants and instruments, and collaboration with the scientific community, Spontech strives to restore the individual spine geometry, maintaining the individual joint function of the human vertebral column. The company's goal is to enable maximum mobility and pain-free motion for people with spinal conditions and diseases, prevent adjacent segment degeneration and improve quality of life long-term. For more information please visit <http://www.spontech-spine.com>

Spontech selected Aras for its web-based open, flexible architecture. The company is leveraging several Aras Community Solutions in its implementation, which includes Quality, Regulatory Management, Compliance and Risk Assessment, Document and CAD File Management, Design Project Management, Electronic Design History File (DHF) and Device Master Record (DMR), Workflow-Driven CAPA and Non-Conformance Management, and more. Integrations include ERP, Pro/ENGINEER, MS Office / Outlook and the Global Supply Chain.

 [Click here to return to Contents](#)

## ***TradeCard to Showcase the Power of Extending PLM into the Supply Chain at Technia Innovation Forum***

25 September 2012

[TradeCard](#), Inc., will be showcasing the value derived from integrating PLM systems into the supply chain at the [Technia PLM Innovation Forum](#) being held in Cirkus, Stockholm on September 26th.

TradeCard's head of business development for Europe, Esther Lutz, is leading a session on extending the value of PLM into the supply chain using cloud technology. The session will be co-presented by Technia's Anna Liljedahl, Senior Business Consultant for Apparel, Retail & Footwear. Liljedahl will detail the value generated through the TradeCard-Technia collaboration. The presentation takes place at 14.50 – 15.40.

“A significant opportunity exists for extending PLM functionality into the supply chain to enable superior collaboration and true end-to-end visibility,” said Lutz. “Innovators are extending their design capabilities into the supply chain to optimize sourcing decisions. They're speeding up their sampling process with trading partners to remove time and costs from the supply chain collaboration process. For many brands and retailers, this is an untapped opportunity to accelerate time to market and drive overall supply chain efficiency.”

Guess CIO Mike Relich, a customer of both Technia and TradeCard, is the keynote speaker at the event.

“The [PLM Innovation forum](#) is the biggest PLM event in the Nordics and we are very pleased to have both TradeCard and Mike Relich speaking,” said Liljedahl. “All our customers are facing similar

# CIMdata PLM Industry Summary

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challenges to meet the increasing importance of flexibility and speed. Our partnership with TradeCard gives us the possibility to offer our customers a solution that can increase both speed and flexibility, not only in PLM but throughout the entire process, from idea to shop.”

TradeCard and Technia launched a strategic partnership in 2011 to deliver end-to-end supply chain visibility for consumer goods companies in Northern Europe.

For more information and to register for the Technia Innovation Forum, go to: [http://www.technia.com/Global/index\\_if2012.htm](http://www.technia.com/Global/index_if2012.htm)

 [Click here to return to Contents](#)

## Financial News

### ***3D Systems Announces Conference Call and Webcast to Discuss Third Quarter and Nine Months 2012 Results***

25 September 2012

[3D Systems Corporation](#) has announced that it plans to hold a conference call and simultaneous webcast to discuss its financial results for the third quarter and first nine months of 2012 on Thursday, October 25, 2012, at 11:00 a.m. Eastern Time. The company expects to release these financial results and to file its Form 10-Q on October 25, 2012.

Date: Thursday, October 25, 2012

Time: 11:00 a.m. Eastern Time

Listen via Internet: [investor.3dsystems.com](http://investor.3dsystems.com)

Participate via telephone:

Within the U.S.: 1-866-356-4441

Outside the U.S.: 1-617-597-5396

Participant code: 18351731

The recorded webcast will be available beginning approximately two hours after the live presentation at [investor.3dsystems.com](http://investor.3dsystems.com).

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## *ESI Group: Results for the First Half of 2012/13*

27 September 2012

Alain de Rouvray, ESI Group's Chairman and CEO, comments:

“This first half confirms the global trends observed in recent half years, both on a sales level and on an operating level. The dynamic organic growth, combined with the very strong performance of our recurring installed base and the improvement recorded by our high-end services, increases our confidence in the achievement of our development plan for the second half.

Our organic results confirm our effective cost control within a context of strong growth. In the short and medium term, we are seeing a strong desire by our industrial partners to adopt End to End Virtual Prototyping, as well as the need for close collaboration on major innovative projects. This trend is also being confirmed by a substantial improvement in business with certain industrial segments, including the automotive industry, in today's challenging economic climate.

Lastly, our acquisition policy, which is an integral part of our growth strategy, contributed to this first-half growth thanks to the IC.IDO acquisition past year. Furthermore, the recent integration of OpenCFD Ltd. opens the way for rapid sales deployment thanks to the originality and strength of the open-source business model.

All of these positive factors give us reason to be confident and determined regarding the second half of our 2012/2013 financial year.”

### **First-half sales recorded organic growth of +16.1%**

As announced on September 13, 2012, first-half sales totaled 44.7 million euros, an increase of +22.2% in actual terms and +16.1% organically. The currency effect for the organic scope was 5.8% over the period.

The key indicators were all positive over the half:

- Licences revenue amounted to €30.2 million, up +20.9% in actual terms and +14.4% organically.
- The Licences installed base recorded growth of +22.3% in actual terms and +18.9% organically, and totaled 21.7 million euros.
- Licences repeat business stood at a particularly high level of 92%, helped by a positive currency effect.
- Licences New Business was up +11.2% in actual terms, due to the scope effect resulting from the integration of IC.IDO.
- Services activity, which was particularly dynamic over the second quarter, recorded sales of 14.6 million euros, an increase of +24.9% in actual terms and +19.6% organically.

First-half growth revealed the upramping of BRIC countries (Brazil, Russia, India and China), with their share of total sales increasing to 12.0% versus 10.8% a year earlier, recording growth of +23%. Overall, the geographical split in activity remained relatively stable with Europe accounting for 38% of first-half

# CIMdata PLM Industry Summary

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activity, Asia 43% and the Americas 20%.

To view an unabridged version of this press release, visit:

<http://www.esi-group.com/corporate/finance/news/financial-press-release/results-fo-the-first-half-of-2012-13-confirmation-of-the-positive-global-trends>

 [Click here to return to Contents](#)

## ***Lantek Increases its Turnover by 8.3% in the First Half of 2012***

26 September 2012

Lantek has announced its financial results for the first half of the 2012 tax year, ending on the 30th of June. During this period, marked by macroeconomic uncertainty, Lantek has recorded an 8.3% increase in its business volume.

Lantek's good growth rate means that the company is on the right track to achieve the initial predictions set for 2012, a year in which it expects to close with a 13% increase in its turnover.

Although all regions have seen a growth in income, the EMEA market has achieved the best results during the first half of the year, with a growth of 14.9%. This increase reflects the significant boost that was recorded in markets in the development and investment stage, which include the United Arab Emirates, which has expanded by more than 100%, Poland, which has grown by around 44%, and Turkey by 24%.

In the other advanced economies in EMEA, despite the continued effects of the economic slow-down still felt by some European countries, Lantek has seen growth ranging from 5% in Spain to 42% in Germany. These increases have been driven primarily by the advanced technology in Lantek's latest comprehensive business management solutions.

In the Americas region, Lantek has seen an increase in turnover of more than 10%. This includes the Argentinian and United States markets which have achieved the best performance levels, with growth percentages of 50% and more than 42% respectively. The other countries in which Lantek operates have also contributed positively to the overall results and it anticipates further increases in the second half of the year, especially in Brazil, Peru, Colombia and Chile.

The business performance of the Asia-Pacific group of countries sees a small increase, with South Korea being the market that has produced the best results in this region, ending the first half year with a 10% increase, which mainly came from success during the second quarter of 2012.

"We are satisfied with the results obtained in the first half of 2012, due to the fact that we have managed to grow more than 8%, despite the difficult and confusing situation the economy is experiencing on a

# CIMdata PLM Industry Summary

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global level, especially in Europe." said Alberto Martinez, Manager of Lantek. "Our overall assessment is positive and the results show that the market continues to demand high performance solutions, which offer flexibility and manageability. Both our policy of internationalisation and our specialisation in comprehensive solutions for sheet metal, profile and tube cutting, have contributed to Lantek being the world leader in its sector. We are optimistic and believe we are on the right track to meet the targets set at the beginning of the year and believe that 2013 will be a great year for Lantek."

## **A great time for the Solutions division**

During the first half of 2012 the turnover from the CAD/CAM area has remained stable in countries where Lantek's traditional business is mature, such as Spain, Germany and Italy. However it has grown significantly in emerging markets. Overall, the CAD/CAM solutions, which amount to 82% of Lantek's total business volume, have reported a moderate growth of around 3% during in this period.

In the same period, Lantek's Solutions division has recorded spectacular growth. Here Lantek has increased its turnover by more than 60%. An increasing number of clients are seeking not only CAD/CAM software for their machines, but an integrated system capable of meeting their workshop needs, managing their projects, and coordinating their company's key business activities.

"Right now our customers are more focused on maximising their productivity and being as efficient as possible. Therefore, it is mainly the German, Spanish and North American companies that are looking for the types of advanced solutions that Lantek can offer," says Martínez. "During the first half of the year this division has expanded to represent 18% of Lantek's business. Without a doubt, we are growing to become the perfect partner for companies in the sheet metal and structural steel sector."

For more information visit their website: [www.lanteksms.com](http://www.lanteksms.com) or request more details at: [marketing@lanteksms.com](mailto:marketing@lanteksms.com)

 [Click here to return to Contents](#)

***Oracle Reports Q1 GAAP EPS up 15% to 41 Cents; Q1 NON-GAAP EPS up 11% to 53 Cents***  
20 September 2012

Oracle Corporation has announced that both fiscal 2013 Q1 GAAP and non-GAAP total revenues were down 2% to \$8.2 billion. GAAP new software licenses and cloud software subscriptions revenues were up 5% to \$1.6 billion, while non-GAAP new software licenses and cloud software subscriptions revenues were up 6% to \$1.6 billion. Both GAAP and non-GAAP software license updates and product support revenues were up 3% to \$4.1 billion. Both GAAP and non-GAAP hardware systems products revenues were down 24% to \$779 million. GAAP operating income was up 7% to \$2.9 billion, and GAAP operating margin was 35%. Non-GAAP operating income was up 1% to \$3.6 billion, and non-GAAP operating margin was 44%. GAAP net income was up 11% to \$2.0 billion, while non-GAAP net income was up 6% to \$2.6 billion. GAAP earnings per share were \$0.41, up 15% compared to last year while non-GAAP earnings per share were up 11% to \$0.53. GAAP operating cash flow on a trailing

## CIMdata PLM Industry Summary

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twelve-month basis was \$14.0 billion, up 9% compared to last year.

Without the impact of the US dollar strengthening compared to foreign currencies, Oracle's reported Q1 GAAP earnings per share would have been \$0.03 higher at \$0.44, up 24%, and Q1 non-GAAP earnings per share would have been \$0.03 higher at \$0.56, up 17%. Both GAAP and non-GAAP total revenues also would have been up 3%, GAAP new software licenses and cloud software subscriptions revenues would have been up 10%, non-GAAP new software licenses and cloud software subscriptions revenues would have been up 11% and both GAAP and non-GAAP hardware systems products revenues would have been down 21%.

“On a non-GAAP basis, new software licenses and cloud software subscriptions sales grew 11% in constant currency and operating margin increased to 44% in Q1,” said Oracle President and CFO, Safra Catz. “Q1 operating cash flow increased to a record high of \$5.7 billion. We're off to a good start in the new year.”

“Exadata, Exalogic, Exalytics and our other engineered systems grew more than 100% in the quarter,” said Oracle President, Mark Hurd. “For the full year, we expect to double engineered systems sales to well over \$1 billion. Oracle's new cloud business is also approaching a \$1 billion annual run rate. These two businesses will drive Oracle's growth for years to come.”

“A little more than a week from now we will announce lots of enhancements to the Oracle Cloud,” said Oracle CEO, Larry Ellison. “There are more CRM, ERP and HCM applications as a service, and more Oracle database, Java and social network platform services. Our new infrastructure as a service is available in the Oracle Cloud and as a private cloud in our customers' data center, with the unique ability to move applications and services back and forth between the two. Join us at Oracle OpenWorld for all the details.”

The Board of Directors also declared a quarterly cash dividend of \$0.06 per share of outstanding common stock. This dividend will be paid to stockholders of record as of the close of business on October 12, 2012, with a payment date of November 2, 2012.

### **Q1 Fiscal 2013 Earnings Conference Call and Webcast**

Oracle will hold a conference call and webcast to discuss these results at 2:00 p.m. Pacific. You may listen to the call by dialing (913) 312-6699, Passcode: 861602. To access the live webcast of this event, please visit the Oracle Investor Relations website at <http://www.oracle.com/investor>. In addition, Oracle's Q1 results and Fiscal 2013 financial tables are available on the Oracle Investor Relations website.

A replay of the conference call will also be available by dialing (719) 457-0820 or (888) 203-1112, Passcode: 6071749.

 [Click here to return to Contents](#)

## ***Rand Worldwide Reports Fiscal Year 2012 Results***

28 September 2012

Rand Worldwide, Inc. announces its financial results for its fourth quarter and for the year ended June 30, 2012.

For its fiscal year ended June 30, 2012, Rand Worldwide, Inc. reported revenues of \$89.4 million, compared with \$89.2 million for its prior fiscal year. The Company's overall gross margin was 47.1%, a slight increase from the 46.7% reported for fiscal 2011, resulting in net income of \$8.4 million, or \$0.15 per fully diluted share. For the year ended June 30, 2011, Rand Worldwide reported net income of \$1.8 million, or \$0.03 per fully diluted share.

For its fourth fiscal quarter, the Company reported revenues of \$22.6 million and earned net income of \$5.3 million, or \$0.09 per fully diluted share. During this quarter, the Company reported gross margin of \$10.7 million, or 47.4% of revenues.

Included in its fourth quarter and full year results is a \$4.3 million non-recurring reduction of income tax expense resulting from the recognition of a portion of the value of the Company's net operating loss carryforwards that are available to offset future income taxes. In accordance with generally accepted accounting principles, the Company reduced a valuation allowance on its books in its fourth quarter to reflect the future value of certain loss carryforwards due to the continued profitability of Rand Worldwide.

Lawrence Rychlak, president and chief financial officer, commented, "Our revenues were somewhat flat year-over-year due to the fact that last fiscal year we realized a very large non-recurring sale and also the result of turnover in our sales force in the second and third quarters of this fiscal year. We are very pleased with the growth in our net income and earnings per share, even before the additional \$4.3 million reduction of our income tax expense and we have high expectations for our fiscal year 2013 operating results."

"These continued profitable results validate our operating plan and serve to provide a platform for the execution of our overall strategic plan," said Marc Dulude, chief executive officer. "Since February of this year, we have completed one acquisition to augment our Autodesk focused sales in a region and another small acquisition to expand our services business. In the June fiscal quarter, we also aggressively hired new sales reps in the IMAGINiT business unit and have recognized disproportionate revenue growth in our other lines of business. Continued profitability is the engine that enables this investment in future growth."

## **Conference call details**

# CIMdata PLM Industry Summary

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Rand Worldwide will hold a conference call to discuss its fourth quarter and full year 2012 results at 11:00 am ET on Friday September 28, 2012. The dial-in numbers for the conference call are 1 (800) 291-5365 (domestic) or 1 (617) 614-3922 (International), and enter the passcode (47118186). A live, listen-only Webcast of the conference call will be available to all investors in the Investor Relations section of the Company's [Web site](#).

 [Click here to return to Contents](#)

## ***Successful 1st Semester Results for Missler Software***

18 September 2012

The first 6 months of 2012 have been very positive for Missler Software who has announced a 12% progression in its first semester results compared to the same period in 2011. Despite a somewhat unsettled macroeconomic climate in Europe since the beginning of the year linked to the debt crisis in many countries, industrial activity and investment have remained intact.

The TopSolid software range has recorded the highest growth rate in the French market but the French software developer is confident that 2013 will hold in store strong growth rates on its international market, notably in the USA where Missler Software opened a subsidiary in June this year.

The launch of TopSolid'Cam 7 earlier this year has had a very positive impact on CAM sales right across the globe for the company. Boasting a very attractive user-interface the new-generation CAM application has been a great success since the beginning of 2012. The availability of the 7.7 version, which will include many missing functions from the 2012 version, is much awaited by Missler Software and its customers.

For further information contact [info@topsolid.com](mailto:info@topsolid.com) or visit [www.topsolid.com](http://www.topsolid.com)

 [Click here to return to Contents](#)

## Implementation Investments

### ***Applied Instrument Technologies Deploys SofTech's ProductCenter PLM***

26 September 2012

SofTech, Inc. has announced that its [ProductCenter®](#) PLM solution has been deployed by Applied Instrument Technologies (AIT).

“Choosing ProductCenter was an easy decision. We had the utmost confidence in the product and ProductCenter's technical support personnel,” states David Rechsteiner, Engineering Manager at AIT.

# CIMdata PLM Industry Summary

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“The efficiency of bringing ProductCenter on-line lived up to our expectations.”

ProductCenter supports the entire company including departments such as Engineering, Manufacturing, Quality, Purchasing, Field Service and Corporate Management. AIT intends to further automate business processes including its Engineering Change Notification (ECN), Software Problem tracking, Engineering Release and Standard Production Release, which ProductCenter Workflow easily facilitates. ProductCenter is also an important element of AIT’s ISO processes.

“ProductCenter works well and its classification structure is a good fit for AIT’s business. Accurately locating items in the secure vault in a timely manner is made easy through ProductCenter’s search utility,” adds David Rechsteiner. “We are looking to continually improve and enhance our business processes by taking advantage of SofTech’s expertise and ProductCenter’s capabilities.”

 [Click here to return to Contents](#)

## ***Autodesk Product Design Suite Helps Position Turkish Auto Company for Global Success***

27 September 2012

[Autodesk, Inc.](#) has named BMC — a leader in the Turkish automotive industry — as the September Autodesk [Inventor of the Month](#) for using Autodesk as part of [Autodesk Product Design Suite](#) to improve design and production processes at its main plant in Izmir, Turkey.

These productivity enhancements allow the company to more efficiently produce a wide range of vehicles — from light and heavy trucks, to buses and military vehicles — which are supplied to international as well as local markets, helping BMC move towards becoming a global brand.

During R&D and design stages, the company uses 3D modeling, visualization and simulation applications included in Autodesk Product Design Suite Ultimate 2013 and Autodesk Product Design Suite Premium 2013. In addition, BMC utilizes [AutoCAD LT 2013](#) for 2D drafting and detailing, as well as [Autodesk Revit Architecture](#) for architectural design purposes.

“In today’s competitive market, 3D modeling is an indispensable tool,” said Cuneyt Targotay, Chief Information Officer at BMC. “Autodesk, with its ongoing technology development, fulfills all our expectations in the best possible way.”

### **Delivering Better Products Through Digital Design**

BMC worked with Autodesk Gold partner CADBIM to identify areas where the array of [digital prototyping](#) tools and functionality within Autodesk Product Design Suite could benefit its product design workflow.

# CIMdata PLM Industry Summary

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To start, BMC is able to more easily identify potential assembly problems or interferences between product parts during the digital modeling phase by using Autodesk Inventor software. Sophisticated simulation and analysis tools, such as the plastic injection molding simulation and finite element analysis (FEA) features in Autodesk Inventor Professional software, help to further optimize the design process.

Once a product part or assembly is complete, Autodesk Product Design Suite also plays an important role in helping to create molds that are free of defects the first time around. Mold creation is one of the most costly processes for manufacturing companies.

The company estimates that its comprehensive approach to visualization and simulation has already brought important benefits. Whereas designers used to spend three to four days on design revisions, they can now produce a complete design within a day. Additionally, revision demands during the production stage are reduced because defects can more easily be identified beforehand on computer screens — helping to reduce time-to-market cycles.

“As a company serving multiple markets with a variety of products, BMC has to work within tight timeframes,” said Brenda Discher, vice president, Manufacturing Industry Strategy and Marketing at Autodesk. “Autodesk software is helping companies like BMC more effectively design and deliver quality products in less time to maintain their global success.”

 [Click here to return to Contents](#)

## ***Day2Night Uses SolidWorks Software to Bring Convertible Heels to Market***

25 September 2012

[Day2Night Convertible Heels](#), a startup focused on creating shoes with interchangeable heels, is using SolidWorks® 3D design software to bring its product to market faster and at less cost. A 2010 and 2011 [MassChallenge](#) finalist funded by Kickstarter, the world's largest funding platform for creative projects, Day2Night is solving the challenge of traveling with multiple pairs of shoes. In the process, Day2Night has dealt with—and overcome—complex design issues, with the help of [FISHER/UNITECH](#).

The biggest challenge in designing a shoe with interchangeable heels comes from the need for strength. The shoe must be able to tolerate the wearer’s weight for a variety of heel heights, some of which are intricate and curved, creating potential stability issues. Using SolidWorks software alongside 3D printing capabilities, the engineering team at Day2Night was able to determine the optimal weight bearing load pressure for the shoe. This analysis was critical to learn not only how the heel would hold weight from the top, but how it would react to force when the heels were changed.

“This product required a mix of stability and flexibility when it came to changing the heels,” said Candice Cabe, founder and CEO of Day2Night. “We had to provide enough resistance that the heels

## CIMdata PLM Industry Summary

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would stay on during regular wear, but not so much that they couldn't be taken off easily. They also had to withstand issues like being caught in grates or between cobblestones—just like a traditional shoe. Ultimately, we needed to know how much torque effect would be applied for someone to be standing, moving their feet, dancing or just walking. SolidWorks software enabled us to test all of these scenarios and easily develop prototypes so we could create a stable and beautiful product.”

Day2Night is an avid recruiter of interns with mechanical engineering background, giving students from top Massachusetts schools the opportunity to gain hands-on design experience with SolidWorks. These students, as well as a design firm, are helping design and prototype the products with the aid of 3D printing. The heels will then be manufactured using mold injection technology and shipped to shoemakers.

“3D printing is a critical tool for this type of product; it's essential that designs are tested to make sure they're safe, sturdy and attractive,” said Jenny Giolas, Regional Technical Manager, FISHER/UNITECH. “Day2Night's use of SolidWorks to create a one-of-a-kind product and bring it to market is the kind of success story we love to tell; ultimately, designers have the power to make any product a reality using SolidWorks software.”

Day2Night shoes are available for pre-order at: [http://convertible-heels.com/Buy\\_Now.html](http://convertible-heels.com/Buy_Now.html)

 [Click here to return to Contents](#)

### ***Engineers India Limited (EIL) Implements Tekla BIM software***

27 September 2012

Tekla India, Building Information Modeling (BIM) software provider has entered into a corporate agreement with Engineers India Limited (EIL), a provider of engineering services for petroleum refineries and other industrial projects. Tekla will provide software licenses and multi-year maintenance for Engineers India Limited. EIL will use Tekla BIM software as a tool for their upcoming structural engineering projects for efficient project collaboration.

“With Tekla BIM, we will now have access to a model-based software tool that will ensure complete and accurate project information – right from design to production. This will further result in reduced project delivery times, operational costs and waste, while increasing efficiency, reliability and sustainability,” said Mr. Vinay Kumar, CGM – Engineering and Technical Services, EIL.

Given that EIL is working under the administrative control of Ministry of Petroleum and Natural Gas (MoP&NG), this is a great opportunity for Tekla India to extend its service portfolio to the Government of India.

Tekla BIM software solutions work like model-based encyclopedias of the project, allowing the

# CIMdata PLM Industry Summary

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inclusion of every detail while managing the construction process as a whole.

“Tekla has always been a committed partner to all our customers, and we strive to deliver the same level of commitment for EIL as well. Our team will work closely with EIL to implement their engineering standards through our technology, and we look forward to having a long term, mutually beneficial relationship with EIL. We are proud and excited to be associated with EIL,” says Mr. Nirmalya Chatterjee, COO, Tekla India.

Tekla offers [Building Information Modeling \(BIM\)](#) software that enables the creation and management of accurately detailed, highly constructible 3D structural models, regardless of material or structural complexity. Tekla models can be used to cover the entire building process from conceptual design to fabrication, erection and construction management.

Centralizing building information into the model allows for more collaborative and integrated project management and delivery. This translates into increased productivity and elimination of waste, thus making construction and buildings more sustainable. Tekla Structures is an innovative software environment that facilitates open integration with architectural models while supporting the end-to-end construction process.

 [Click here to return to Contents](#)

## ***Petrofac Selects Technology from Intergraph’s SmartPlant® Solutions***

25 September 2012

Petrofac has chosen Intergraph SmartPlant® Enterprise solutions to support productivity goals across the execution chain for major international projects.

SmartPlant Enterprise technology is able to add value in terms of improved design quality on projects, and support a competitive edge in today’s market place.

Enhanced productivity with improved quality of deliverables is one of the benefits Petrofac will be able to leverage by using Intergraph’s solutions. Petrofac also acknowledges the trend of some Owner Operators to standardize on Intergraph software.

The decision to work more closely with Intergraph and to enter into a long-term contract was taken by Petrofac recently. It now has SmartPlant 3D, SmartPlant Electrical, SmartPlant P&ID and SmartPlant Review alongside its existing portfolio of tools.

In its fourth decade of operations, Petrofac executes major projects in the oil & gas industry around the world, having a proven track record and has delivered impressive results, particularly in projects in the Middle East, North Africa and Commonwealth of Independent States (CIS). Intergraph’s integrated solutions provide advanced design-, construction-, materials- and engineering data management

## CIMdata PLM Industry Summary

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capabilities for the creation-, operation-, maintenance- and Project Lifecycle Management (cPLM) of process, power, marine & offshore projects. The software's life-cycle data management functionality will support Petrofac's ability to achieve a smoother handover to Owner Operators and make it easier for owner operators to maintain, refurbish or modify their plants.

Commenting on the software, Petrofac's Vice President, Operational Excellence, Stephen Major said: "It was an important decision for us to include Smart Plant Enterprise from Intergraph in our engineering tools portfolio. We are confident that this will augment our delivery ability and allow us to service the requirements of our customers with up to date and progressive software platforms."

Gerhard Sallinger, Intergraph Process, Power & Marine president, said, "Intergraph looks forward to being a strong and reliable partner for Petrofac. We continue to work hard on supplying our customers with the best knowledge-based and rules-driven technologies to improve safety, quality and productivity. This gives our ever-increasing customer base around the world in the process, power, offshore and marine industries the competitive edge they need."

SmartPlant 3D is the 3D plant design solution, employing an engineering approach that is focused on rules, relationships, and automation. It provides all the capabilities needed to design a plant, and then keep it as-built throughout its life cycle. This innovative Intergraph solution captures new and existing engineering knowledge so that it can be saved and reused in the future, which is key to success in today's competitive global economy. SmartPlant 3D is the most advanced and productive 3D plant design solution that effectively enables optimized design, increasing safety, quality, and productivity, while shortening project schedules. Companies using SmartPlant 3D typically report a 30 percent improvement in overall engineering design productivity.

 [Click here to return to Contents](#)

***With Lectra Fashion PLM, Baroque Streamlines Development and Communication for Moussy***  
25 September 2012

Lectra is pleased to announce that the Japanese company Baroque successfully implemented Lectra Fashion PLM for their top brand, Moussy, in June. They will extend implementation to Sly and other brands before the end of 2012.

Baroque is a fast-fashion brand-retailer for young Japanese women. The company has experienced continuous growth despite a stagnant Japanese apparel market, with revenues reaching 55.1 billion yen (+25% compared to the previous year) and an operating income of 7 billion yen.

"We chose Lectra after carefully researching over 10 domestic and international solution providers," explains Jun Tanaka, Information Technology Department Manager at Baroque. "This is our first time working with Lectra, and their expertise in apparel-dedicated tools and global presence were very attractive to us. Design and implementation were completed quickly, and Lectra Fashion PLM went live

# CIMdata PLM Industry Summary

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for Moussy exactly as planned in June.”

Prior to investing in a PLM solution, Baroque conducted an internal audit to identify areas of improvement. They determined the root cause of their challenges to be in the early stages of planning and development, as well as in communication.

As a fast-growing, trend-oriented, fast-fashion business focused on aggressive and rapid expansion, Baroque deals with a growing number of increasingly varied items produced in small volumes, under a number of different brands. Before implementing Lectra Fashion PLM, Baroque relied on email and spreadsheets to link internal teams and a master product list for merchandising and promotion planning. Information was not systematically shared with the entire Moussy team, which led to lost time through unnecessary duplication of tasks.

Lectra Fashion PLM contributed to a significant and immediate reduction in documentation and an increase in visibility of each team member’s work. “With higher visibility, we can continue to streamline the way we work for increased agility. For example, instead of preparing separate documents for merchandisers and marketing, these teams can simply rely on PLM to find the information they need,” Tanaka continues. This not only reduces workload, but also pushes information where it is needed, rather than requiring people to hunt down details. This was an important consideration for Baroque, as one of the company’s strategic goals is to aggressively expand into the Chinese market.

In addition to streamlining apparel development and internal communication in Japan, a synchronized team will be needed to support future growth in China. Baroque’s objective is to have 100 shops in China by January 2014, an increase from the 19 in place as of June this year. “Our business model requires delivery of new items to shops 2 or 3 times per week. In order for us to succeed in China, where competition is becoming increasingly intense, it is critical to master information by having an infrastructure that supports the entire product flow from planning and development to shop delivery. In order to succeed abroad, it is important to redefine our process and streamline the flow of information with a global perspective,” said Isao Sado, CFO, Baroque.

“In order to succeed in a difficult economy and under fierce competition, fashion companies must equip themselves with a strong process and tools that give them the flexibility to react to continuous market evolutions,” emphasizes Daniel Harari, Lectra CEO. “We are pleased that our forty years of expertise in fashion have benefited Baroque in such a fundamental way.”

“For a successful PLM implementation, it is important to build good communication, both internally and with your technology partner. During the internal audit period, we made sure that our entire team was involved and shared the challenge together. Lectra did the same and we appreciate their commitment,” Tanaka concluded.

 [Click here to return to Contents](#)

## Product News

### ***3D3 Solutions Introduces the HDI Blitz 3D Scanner at TCT Live 2012***

25 September 2012

3D3 Solutions, a developer of 3D scanning and visualization technologies, announces the official release of the HDI Blitz 3D scanning system at TCT Live 2012 located at The NEC, Birmingham, UK. The system is the latest 3D scanning solution from the company that captures digital 3D scans from physical objects in seconds. 3D3 Solutions is demonstrating the HDI Blitz for the first time at TCT Live, the event for additive manufacturing, 3D printing & product development, in Hall 3A, Stand U23.

"With the success of developing advanced 3D scanning systems, we found that there is a strong demand for a simple, easy-to-use 3D scanner without sacrificing the quality of 3D scans," said Thomas Tong, President of 3D3 Solutions. "The focus of the HDI Blitz is to make 3D scanning technology more accessible. It doesn't require advanced technical skills to operate the system and it is fast to get the HDI Blitz up and running."

The HDI Blitz requires minimal amount of setup time. Simply plug in the system, install the 3D scanning software on the computer and it is ready for scanning. The 3D scanner uses white light 3D scanning technology that scans an object without any direct contact to ensure there is no measurement interference. The system captures a 3D scan in one second and generates more than a million data points (two million polygons) per scan. It includes basic post-processing capabilities such as aligning and merging that transforms 3D scans into a complete digital 3D model.

3D3 Solutions continues along the path of developing 3D scanning systems with affordability and flexibility in mind. The HDI Blitz 3D Scanner offers high resolution 3D scanning results at a fraction of the cost of comparable systems. The system is useful for companies and organizations that need complex 3D measurements for various applications including 3D visualization, 3D inspection, reverse engineering, or rapid prototyping.

For more information on the HDI Blitz, please visit [www.3d3solutions.com](http://www.3d3solutions.com).

 [Click here to return to Contents](#)

### ***AddCAD 3D Parametric Architecture App Bundled with ZWCAD; Adds Power to the Already Powerful AutoCAD® Alternative***

24 September 2012

[ZwcadUSA](#) and Tecnobit Srl, makers of AddCAD for ZWCAD, today announced a partnership that sets a compelling price point for 3D Parametric Architecture Design solution. Integrated with ZWCAD, the AddCAD app instantly turns ZWCAD into a full-function 3D solution for architects and engineers and

# CIMdata PLM Industry Summary

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is now available in US and Canada as a bundled solution.

With its reliability hardened for over 20 years by more than 320,000 users in 80 countries, ZWCAD is a powerful DWG-based CAD design platform. ZWCAD is the AutoCAD Alternative that offers the closest AutoCAD user experience. AddCAD is a cleverly simple and quick-to-learn add-on app that enables architects and engineers to easily switch from 2D to full-function 3D parametric design without having switch their existing AutoCAD-like CAD environment. Both ZWCAD and AddCAD support Windows® 7 32- and 64-bit.

Kanti Purohit, CEO of ZwcadUSA, comments, “Our partnership with TecnoBit is great news for the AEC (Architecture, Engineering, and Construction) industry in North America. ZWCAD already offers 100% functionality for the 90% of mainstream AutoCAD users at one-fifth (1/5th) the price. Now, much like how the apps make Apple’s iPhone so powerful, AddCAD adds more power to ZWCAD - the already powerful CAD program - at a very compelling price.”

Purohit continues, “And, just as ZWCAD is an eminently affordable AutoCAD Alternative, AddCAD also offers much of the 3D Parametric Architecture design functionality of its respective high-priced counterparts but at much lower cost.”

Gianni Rossi, TecnoBit CEO, comments, "We are very excited with our partnership with ZwcadUSA who has long and deep expertise in the CAD business. We have had grand success with AddCAD in Europe; and now, architects and engineers in North America can also easily switch from 2D to 3D Parametric Design”

Rossi continues, “Switching to 3D design capability is what many architects and engineers strive for but often without success. Apart from the high cost of switching to a traditional 3D CAD solution, switching inevitably involves a complete change in user’s existing CAD environment and retraining. AddCAD, a CAD application with over 20 years of development, eliminates these impediments because it operates directly on existing ZWCAD. Therefore, users can continue to work with their familiar tools they use every day and without changing the way they work.”

Some of the key features of AddCAD for ZWCAD include:

- Rich catalog of parametric objects such walls, frames, windows, doors, stairs, railings, furniture, and roofing
- Window and door modeler, stair and roof generator
- Automatic creation of elevation and sectional views
- Creation of railings, balustrades ledges, and gutters
- 3D photo-realistic rendered view generator, including isometric, perspective, and cross sections

# CIMdata PLM Industry Summary

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And, for power users, AddCAD offers a parametric library with a script language to describe objects. It is a powerful development environment that enables power users to personalize AddCAD to their needs.

 [Click here to return to Contents](#)

## **All Formtek Software Products Now Available for the Alfresco® 4 ECM Platform**

25 September 2012

Formtek, Inc. announced today that its full portfolio of software products for the Alfresco Open Content Platform have been certified for use with Alfresco 4.

Formtek is a provider of document and content management solutions based on Alfresco. Software products developed by Formtek increase the capabilities and productivity of Alfresco implementations by extending the functionality or adding new features to the standard Alfresco product.

The Formtek products are available on an annual subscription basis to all users of Alfresco 4 running either Linux or Windows operating systems, and include:

### Formtek EDM Solution for Alfresco

- The Formtek Engineering Data Management (EDM) Module for Alfresco - Provides a pre-configured content model for engineering drawing and document types, and automatic conversion of AutoCAD® DWG, DWF, and DXF file types to flash and thumbnail images for viewing in Alfresco Share
- The Formtek EDM Data Extractor - Extracts any attributes present in DWG or DXF files, including title block attributes, and maps them to the EDM content model properties
- The Formtek EDM Connector for AutoCAD - A plug-in for AutoCAD that allows users to interact with the Alfresco content repository directly from AutoCAD

### Formtek Extensions for Alfresco

- The Formtek Auditing Extension - Provides a complete audit trail for every file and folder within Alfresco
- The Formtek File Linking Extension - Allows a single document stored in Alfresco to be accessible from multiple locations without physically duplicating the document
- The Formtek Peer Association Extension - Makes it possible for associations to be established between documents within Alfresco Share
- The Formtek Security Extension – Offers more flexible security capabilities in addition to those available with standard Alfresco Share by allowing file and folder access control on per-user and/or per-group basis
- The Formtek Version Browser Extension - Allows the user to select any older document version in Alfresco Share and view its web preview and associated metadata, or download that version

# CIMdata PLM Industry Summary

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- The Formtek PDF Rendering Extension - provides a PDF rendition of an Alfresco-supported file type

Formtek provides full support for its products, including ongoing product maintenance and updates, via dedicated email and toll-free phone number, as well as via the Formtek Online Support web portal.

Additional information on the Formtek Engineering Data Management Solution for Alfresco can be found on Formtek's website at [http://www.formtek.com/products/alfresco\\_edm.shtml](http://www.formtek.com/products/alfresco_edm.shtml). Additional information on the Formtek Software Extensions for Alfresco can be found at [http://www.formtek.com/products/alfresco\\_extensions.shtml](http://www.formtek.com/products/alfresco_extensions.shtml).

 [Click here to return to Contents](#)

## ***Altair's Latest Compute Manager Offers Built-In 3D and 2D Visualization of High-Performance Computing Simulations***

26 September 2012

[Altair](#) has announced the release of [Compute Manager 11.1](#), an enhanced version of its high-performance computing (HPC) portal that simplifies the set-up, monitoring and visualization of simulations. Upgrading the initial version released with Altair's PBS Professional early in 2012, the new module adds capabilities to the Web-based Compute Manager's exceptional efficiency in helping engineers run, monitor and manage simulation jobs.

Compute Manager 11.1 furnishes a number of advancements that will help change the nature of workload management in HPC. Among these is its ability to offer built-in 3D and 2D visualization of jobs while they are running and after they are finished. This major enhancement enables users to see 3D animations in their Web browsers using a browser plug-in and to view 2D plots in the form of line graphs. No third-party applications are required to capitalize on these 3D and 2D capabilities. Users now can visualize and manipulate 2D plots and curves from job results data using a new Results Visualization Service. This also allows on-demand access to the latest results from a running job and provides advanced diagnostic capabilities for making informed decisions. The 3D results can be animated and viewed with the in-browser [HyperView Player](#) plug-in.

"The enhanced Compute Manager 11.1 extends Altair's commitment to creating extraordinarily intuitive and easy ways to organize, automate and manage the high-performance computing process," said Altair Senior Vice President of Enterprise Products, Sam Mahalingam. "With Compute Manager, users now can see results faster and in new perspectives without additional software; rapidly share their best practices with colleagues; and enjoy a more fluid experience when submitting, running and viewing their jobs."

Additionally, Compute Manager supports the viewing and management of job arrays. Users can submit jobs that contain sub-jobs, each acting independently of the others. Compute Manager allows easy

# CIMdata PLM Industry Summary

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access to each sub-job, with its individual properties and files, through a simple-to-navigate interface via the monitoring page.

The enhanced Compute Manager equips administrators with fine-grained access control over who has access to what portions of the application. A new Access Management Service provides a centralized configuration system for defining users and their groups, allowing users to share application profiles with other specified individuals and/or groups. Administrators can define certain rules and restrictions through the service, and applications and servers can be hidden or exposed, depending on the administrator's policies.

Working with Compute Manager has become even easier with an overall enhanced user experience that results from a smoother flow of operations, requiring fewer clicks and less time.

These features complement Compute Manager's well-established benefits, including:

- Automation of job submissions and set-up on distributed resources with easily configurable applications definitions
- Monitoring workloads on distributed resources both graphically and analytically
- An easy-to-use Web interface to submit and monitor jobs in PBS Professional, enabling secure and immediate access to distributed resources from virtually any Internet-enabled device
- Managing simulation jobs while visualizing data and results remotely
- A consistent job-submission and monitoring interface
- Automated staging of input and output files
- Diagnosis of remote jobs without downloading huge results files
- Enabling the user to browse and revise remote files with minimal effort required to write, modify and test complex application scripts

Altair will address more details of Compute Manager's latest features and how it can maximize HPC capabilities during a series of live webinars on October 17. To register, visit [www.altair.com/cmwebinar](http://www.altair.com/cmwebinar).

A session on Compute Manager, including a case study presentation with Autoliv, is scheduled for the morning of October 3 on the second day of the PBS Works User Group Conference at the Tech Museum in San Jose, Calif. For a full conference agenda and registration, please visit [www.pbsworks.com/pbsug](http://www.pbsworks.com/pbsug).

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## *Arena Solutions Enriches BOM Creation Software for Electrical Engineers*

27 September 2012

Electrical engineers now can develop and manage prototype bills of materials (BOMs) line by line, comparing cost and availability of each part across multiple distributors, with the new Distributor Selection feature of Arena Solutions' PartsList application.

[PartsList](#) automatically pulls documentation for parts that design engineers are considering, and gives easy access to information including availability and pricing. The cloud application allows engineers to step through BOMs line by line and quickly conduct comprehensive component comparisons across multiple distributors' sites.

By selecting a cost from the price break chart, users can instantly collect distributor information, including name, description, part number, unit cost and the datasheet. PartsList offers a flexible way to collaborate with design partners and potential vendors during prototyping, and assists in building prototypes more rapidly. "The result is the ability to work faster and more productively, reduce manual errors, and make the frequent changes typical in the prototype process," says Steve Chalgren, vice president of product management and strategy at Arena.

The Distributor Selection feature replaces the data auto-fill feature inherent in previous versions of PartsList. The new feature provides a more controlled process that allows users to quickly collect distributor data without copy-and-paste errors, he explains. An engineer can see redlines and changes to the BOM as they are made, augment imported BOM data to optimize cost, verify datasheets, and complete distributor selection in preparation for prototype buying.

### **Key features**

Distributor Selection's key features include the following.

1. Ability to step through BOMs line by line, part by part, and search for components across multiple distributors.
2. Addition of redline designations so that users can compare data to previous values, and then accept or reject the data on a field-by-field basis.
3. Visibility of price breaks and in-stock quantities across multiple distributors, allowing users to optimize prototype build for price and lead time. Price break data provides a guide to purchase quantity decisions.
4. Ability to preview datasheets prior to selection.
5. Simple link to the selected distributor's/part number's part detail page to facilitate ease of buying.

### **PartsList engineering users**

Arena's cloud-based PartsList application is the first tool specifically designed to help engineers innovate during the very early stages of product development—regardless of their company size,

# CIMdata PLM Industry Summary

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according to Chalgren. "PartsList enables the rapid prototyping and high efficiency that emerging companies need to out-innovate larger competitors," he says.

At the same time, [PartsList](#) helps large companies work more effectively and efficiently with their more complex supply chains while maintaining the control, visibility and speed they require, adds Chalgren. "Arena is committed to helping businesses of all sizes take part in the benefits of manufacturing in the cloud and this new version of PartsList is an important element of that commitment."

PartsList, with the new Distributor Selection feature, is available at <http://www.arenasolutions.com/partslist>.

 [Click here to return to Contents](#)

## ***Cadence Allegro Accelerates Product Creation Through Efficient Collaborative ECAD Environment Using Microsoft SharePoint***

25 September 2012

Cadence Design Systems, Inc. today announced the newest release of its Allegro® printed circuit board (PCB) technology, addressing customer need for a streamlined solution for efficient product creation. [Allegro 16.6](#) accelerates timing closure for high-speed interfaces by 30-50 percent, through timing-aware physical implementation and verification delivered in the industry's first electrical CAD (ECAD) team collaboration environment for PCB design using Microsoft® SharePoint® technology.

"As chip designers are tasked with developing increasingly complex products with tight time-to-market deadlines, having quick and easy access to design teams and resources both locally and globally creates a real competitive advantage," said Simon Floyd, Director, Innovation and Product Lifecycle Management Solutions at Microsoft. "The Cadence® PCB design tools, integrated with SharePoint, provide a unique environment that promotes team collaboration, design creation and control, and significant productivity improvements."

New features in the Allegro 16.6 product line enable enhanced miniaturization capabilities for embedding dual-sided and vertical components, timing-aware physical implementation and verification that accelerate timing closure, and improved ECAD and mechanical CAD (MCAD) co-design -- all crucial for accelerating development of feature-rich electronic products.

The Allegro suite's leading PCB design miniaturization capabilities were first introduced in 2011. The Allegro 16.6 product suite continues to leverage the latest manufacturing advances in embedding active and passive components to address the specific design requirements associated with ever shrinking board size. Components can now be embedded vertically on an inner layer of a PCB leveraging the Z-axis, which greatly reduces X- and Y-axis real estate on the board.

# CIMdata PLM Industry Summary

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"Our leading ECP(C) technology meets customer needs for cost-effective miniaturization of PCBs," said Mark Beesley, COO of Advanced Packaging at AT&S. "Cadence and AT&S have been partnering together for a number of years now addressing our joint customers' needs for advanced miniaturization techniques."

Allegro 16.6 accelerates timing aware physical implementation through Auto-interactive Delay Tuning (AiDT). Auto-interactive Delay Tuning lessens the time to meet timing constraints on advanced standards-based interfaces, such as DDR3, by 30-50 percent. AiDT allows users to rapidly adjust the timing of critical high-speed signals on an interface-by-interface basis, or apply it at byte-lane level, reducing the need to tune the traces on a PCB from days to hours. The EMA Timing Designer, integrated with the Allegro PCB SI capability, helps users quickly achieve timing-closure on critical high-speed signals.

PCB/enclosure co-design is streamlined through an ECAD-MCAD flow based on EDMD schema version 2.0, a proStep iViP standard. This flow reduces unnecessary iterations between ECAD and MCAD teams shortening time for product creation.

Users can learn more about the Allegro product offering at the [PCB West 2012](#) conference and exhibition, September 25-27, in Santa Clara, California, booth #206, or visit: [www.cadence.com/products/pcb/pages/whatsnew.aspx](http://www.cadence.com/products/pcb/pages/whatsnew.aspx)

 [Click here to return to Contents](#)

## ***Cadence Releases OrCAD 16.6***

25 September 2012

Cadence Design Systems, Inc. today launched the Cadence® [OrCAD® 16.6](#) PCB design solution with new features, enhanced customization capabilities, and 20 percent simulation performance improvements that provide customers a shorter, more predictable path to product creation. Additionally, a new signal-integrity flow introduces a higher level of automation that gives usability and productivity benefits for circuit simulation of performance-driven digital circuits requiring pre-layout topology and constraint exploration and development for high-speed design.

OrCAD 16.6 PSpice improves user productivity by providing simulation convergence improvements and an average 20 percent gain in simulation speed. These significant performance gains are achieved through the introduction of multi-core support for simulations involving large designs and designs dominated by complex models such as MOSFETs and BJTs.

"We participated in the early-code beta program for the OrCAD 16.6 release and were very impressed with the improvements for Capture and PSpice," said Hans Jensen, senior engineer at Terma A/S. "The improvements in this new version go a long way toward addressing our design challenges, and we look forward to adopting this new release into our flow at the earliest opportunity."

# CIMdata PLM Industry Summary

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The expanded/new signal-integrity flow in release 16.6 provides a seamless, bidirectional interface between the OrCAD Capture and the OrCAD PCB SI products. This new integration enables an automated and comprehensive design methodology that streamlines pre-layout topology and constraint exploration improving productivity by 100 percent.

"Engineers will gain significant usability, performance and productivity improvements by leveraging the new capabilities available in the OrCAD 16.6 product line," said Josh Moore, director of product marketing for OrCAD, System and Software Realization Group, Cadence. "This release of the OrCAD products evolves and advances the Cadence mainstream PCB design solutions, so customers are better equipped to address today's challenges in high-speed and mixed-signal design."

OrCAD 16.6 also extends the Tcl programming capability and apps methodology from OrCAD Capture to PSpice. As a result, users can extend and customize their simulations and environment beyond what is possible with a standard 'out-of-box' solution. With Tcl access to the simulation data and environment, users may customize simulations with tolerances on any parameter, map user parameters, or program PSpice with user-defined equations and expressions.

Users can learn more about the OrCAD product offering at the [PCB West 2012](#) conference and exhibition, September 25-27, in Santa Clara, California, booth #206, or by visiting: [www.cadence.com/products/pcb/pages/whatsnew.aspx](http://www.cadence.com/products/pcb/pages/whatsnew.aspx)

 [Click here to return to Contents](#)

## ***CADLearning Product Offering Expands with the Release of Enhanced eBooks for AutoCAD and Autodesk Revit***

24 September 2012

4D Technologies, an Autodesk Authorized Publisher specializing in learning solutions and services for the Autodesk user community, has announced their new CADLearning eBook Series, a line of enhanced eBooks for popular Autodesk design software. The first of these products, AutoCAD and [Autodesk Revit Architecture 2013 New Features and Enhancements – Revealed!](#) are now available for purchase in iBook format on iTunes.

Designed to be the basis of both self-paced and instructor-led training, the newly released books show how to use the new and enhanced features in AutoCAD and Autodesk Revit Architecture 2013. In each chapter, there are lessons related to specific new features, including complete video tutorials on each topic. Users can watch and listen as the instructor explains the features and functions covered in a particular lesson, or read step-by-step instructions.

## CIMdata PLM Industry Summary

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Each lesson also includes images and many include interactive simulations you can use to learn more about each topic. Each chapter also includes an interactive assessment users can take to test what they've learned. Most lessons also incorporate exercise files that can be loaded into the Autodesk application so users can make the most of their learning experience by following along with the steps demonstrated by the instructor.

“This expanded offering helps us realize our vision to support Autodesk users with varying learning styles,” said Dan Dolan, President at 4D Technologies. “Our enhanced eBook products complement our existing offerings and will equip professionals, students and faculty with a unique learning tool they can utilize at any stage of the learning process.”

Learn more at <http://www.cadlearning.com/products/ebooks>.

 [Click here to return to Contents](#)

***CES Selector adds more for Metals, Materials Substitution and Selection, and Environmental Design***  
28 September 2012

Granta Design today announced the release of CES Selector 2013, a new version of the PC-based software for materials decision support. This year there is extra help for engineers concerned with equivalency and other metals-related challenges. New tools help those seeking similar or replacement materials across the full range of plastics, metals, ceramics, and composites. And there are new capabilities for lightweight design and environmental design.

Those working with metals benefit from the launch of a new edition: CES Metal Selector. By combining the core functionality of CES Selector with two specialist datasets, CES Metal Selector helps engineers and materials experts who need to find and use information on metals specifications, designations, and global metal equivalencies. MI-21 provides access to 100 years-worth of the World Metals Index's (WMI) metals data and a unique compilation of information on metal joining and surface treatment consumables from The Welding Institute (TWI). StahlDat SX is the official compilation of all registered and maintained European Standards for steels according to EN10027-2, the European Register of Steels (“Stahl-Eisen-Liste”).

CES Selector now provides a quick and simple route to identify potential drop-in replacement materials in cases of material obsolescence, restricted substance legislation, or simply rising costs. Similar materials can be instantly identified and ranked by 'nearness' using the new ‘find similar’ tool. Clear comparison charts complement graphical tools to help with these critical substitution projects.

CES Selector 2013 offers enhanced tools, used during the early stages of design, for rapid assessment of the environmental impacts of products across their complete lifecycle. Responding to user feedback, the Eco Audit™ Tool now provides not just life cycle energy usage and CO2 footprint, but new interactive charts that give the designer instant feedback on the environmental implications of changing material or

## CIMdata PLM Industry Summary

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process choices. The software can also suggest strategies for improving environmental performance.

CES Selector and its associated tools draw both engineering and environmental information from Granta's MaterialUniverse™ (providing complete material property data for nearly 4000 records, covering virtually all purchasable engineering materials and related processes). Continued expansion of this unique dataset has, this year, particular impact for those interested in lightweight design with extended coverage of composites, Al and Mg alloys, and high strength steels.

Those involved in lightweight design also benefit from enhancements to the Hybrid Synthesizer™, which enable the modeling of advanced multi-material hybrid systems including multi-layer materials and short fiber reinforced composites.

CES Selector 2013 includes a number of additional productivity, user interface, graphical, and data enhancements – full details are available on the product website.

“CES Selector 2013 greatly strengthens its offering for those working with metals, and reinforces its selection and substitution capabilities across the full range of materials,” commented Granta's Chief Operating Officer, Dr Patrick Coulter. “We're pleased to be able to meet the needs of our customers in industry and research in this way, while also adding new tools in two areas that they continue to highlight as important: lightweight design and eco design.”

 [Click here to return to Contents](#)

### ***Dassault Systemes Announces New Capabilities for Five Key GEOVIA Mining Applications at MINEXPO 2012***

24 September 2012

[Dassault Systèmes](#) today announced that recently acquired Gemcom Software, transitioning to being known by the brand name GEOVIA, has announced significant updates to its Surpac, GEMS, InSite, Whittle, and MineSched applications targeted at the mining industry.

“With the mining industry facing higher costs and more pressure on commodity prices, it is imperative that they be able to unlock additional efficiencies and economic value from their mining operations,” said Rick Moignard, CEO, GEOVIA, Dassault Systèmes. “The new and enhanced features that we are announcing today across much of our application portfolio will provide additional tools and functionality for mining professionals to better quantify, plan and manage extraction of their ore bodies.”

“The latest updates to the GEOVIA product portfolio underline our commitment to delivering innovations that will help our customers achieve sustainable mining productivity. Dassault Systèmes is excited to expand its 3DExperience platform into the natural resources arena, and the mining industry

# CIMdata PLM Industry Summary

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specifically,” said Monica Menghini, executive vice president, Industry and Marketing, Dassault Systèmes. “The advanced geological modeling and simulation capabilities that the Surpac, GEMS, InSite, Whittle and MineSched applications bring to our 3DExperience platform will help us fulfill our company’s purpose even faster: harmonizing products with nature and life.”

Mining operations often employ several GEOVIA products and use its geology, engineering, and operations services to help them realize the full potential of their mineral deposits. One such site, Dundee Precious Metals’ Chelopech mine in Bulgaria, employs GEMS for geology and mine planning, and InSite to assist with mine production management.

“When Dundee Precious Metals made the decision to undertake an ambitious program of doubling production and lowering unit costs at our Chelopech Mine, we sought out technology and vendors we could partner with who could enable us to achieve this goal, which is why we turned to Gemcom Software, now Dassault Systèmes’ GEOVIA brand,” said Rick Howes, EVP and chief operating officer for Dundee Precious Metals Inc. “Their software and services have played a key role in enabling us to implement an innovative solution for better controlling mining processes across the operation, from the block model to final product, including key components of an innovative central monitoring system. We look forward to the new benefits its updated software will deliver.”

## ***Surpac***

Surpac 6.4, available in the first quarter of 2013, is the latest version of the geology and mine planning software. This version of Surpac will deliver a new integrated Dynamic Shells tool for significant time savings when initially evaluating deposits, and also provide increased memory handling using 64-bit architecture to make it easier and faster to work with extremely large datasets. Additionally, Surpac 6.4 has a new stereoscopic 3D visualization capability to enhance visualization, presentations and decision making, plus many more features to save time and increase efficiency.

## ***GEMS***

GEMS 6.5, available in the first quarter of 2013, is the latest version of GEOVIA’s collaborative geology and mine planning application. As with Surpac, this version will deliver the new integrated Dynamic Shells tool for significant time savings when initially evaluating deposits. This release will also provide quicker, more robust Solids/Surface repair, with new functionality reducing solids validation time from days to minutes, and additional features to improve productivity.

## ***InSite***

InSite 4.2, available later this year, is the latest version of GEOVIA’s mine production management application that records and evaluates data for service, support and production activities from the mine through to saleable product, enabling rapid return on investment. In addition to several new features to provide operations with even more confidence in production data, this version provides updates to the custom reports and analytics module for enhanced performance, along with improved material balance and stockpile management to streamline reconciliation and end-of-month processes.

## ***Whittle***

# CIMdata PLM Industry Summary

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Whittle 4.5, released today, is the latest update to the industry's leading strategic mine planning application for open pit mines. Offering streamlined processes to allow increased economic value to be discovered, this version enables mining companies to develop more practical mine plans with the use of a new mining direction feature and alternative pushback creation capabilities.

## ***MineSched***

MineSched 8.0, available later this year, is the latest version of GEOVIA's next generation scheduling application for surface and underground mines of all types and sizes. MineSched provides mining companies with the capabilities to develop tactical schedules that maximize productivity and minimize costs. MineSched 8.0 provides many new features and enhancements in addition to greatly improved performance. Production scheduling is up to 50 times faster and development scheduling is 10 times faster, making most scheduling runs almost instantaneous.

For more information on all GEOVIA applications announced today, please visit: [www.3ds.com/GEOVIA/Product-News](http://www.3ds.com/GEOVIA/Product-News).

 [Click here to return to Contents](#)

## ***GRAITEC launches 'GRAITEC BIM Connect' for Autodesk Revit 2013***

26 September 2012

[GRAITEC](#) announces the launch of "[GRAITEC BIM Connect](#)", a software add-on for Autodesk Revit 2013, assuring a smooth interface with its Structural BIM solution suite: [GRAITEC Advance](#).

In an environment where designers are subjected to increasing pressure for optimizing material and costs, reducing the design time, controlling the risks of implementation and integration of new constraints, particularly related to the environment, the response of software developers, particularly of GRAITEC, must be innovative and efficient.

With GRAITEC BIM Connect, Autodesk Revit Architecture 2013 and Autodesk Revit Structure 2013 users quickly connect their Revit models to the GRAITEC Advance suite and then optimize the design of their structures in accordance with U.S. and Eurocode standards, produce effective and error-free general arrangement drawings, fabrication drawings, BOMs, and NC files both for steel and concrete structures.

Specifically designed for engineering firms, design offices, detailers and draftsmen, the GRAITEC Advance suite consists of [Advance Design](#), [Advance Concrete](#) and [Advance Steel](#). It provides an environment for designing, detailing and creating all design and fabrication documents for reinforced concrete, steel and timber structures.

Manuel LIEDOT, Chief Product Officer at GRAITEC, states: "As an important player of digital

## CIMdata PLM Industry Summary

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modeling in the field of construction, GRAITEC continues to enhance its modeling and automation tools based around the digital model, now commonly known as BIM (Building Information Modeling). This technology associates each real object to its virtual equivalent in the digital model, and thus opens the possibility for users to simulate the behavior of the real structure, automate many processes and better collaborate with partners for increasing efficiency, preventing risks and optimizing costs.

 [Click here to return to Contents](#)

### ***i GET IT® Training, 3Dconnexion SpacePilot Pro 3D Mouse Productivity Bundle – Enhanced Engineering Efficiency***

26 September 2012

i GET IT®, the online self-paced training solution for engineers from Tata Technologies, announced a special packaged offering with 3Dconnexion, through October 31, that focuses on delivering significant improvement in productivity and efficiency for engineers.

Through October 31, engineers in the United States may purchase an i GET IT Platinum training subscription – the most comprehensive education package of its kind available – with the industry-leading 3Dconnexion SpacePilot Pro 3D mouse included, for only \$495 – a combination which would otherwise retail for \$794.

“The combination of hundreds of hours of training within i GET IT on the industry’s leading design tools including AutoCAD®, Autodesk Inventor®, SolidWorks®, CATIA®, and Siemens NX®; with the 3Dconnexion SpacePilot Pro 3D mouse deliveries significant productivity improvements for engineers,” said Dan Miles, Vice President – Tata Technologies iProducts. “Engineers are able to expand their knowledge with i GET IT online self-paced training classes, and then use the SpacePilot Pro for streamlining modeling with hotkeys and transparent rotating and zooming.

“I personally have used 3Dconnexion 3D mouse devices for more than 11 years,” Miles added, “Professionally, I cannot live without one, as I know it increases productivity and saves hundreds of mouse clicks a day.”

This special training bundle offer expires October 31, 2012, and is available within the United States only. It includes ground shipping within the United States. For details: [www.myigetit.com/3dconnexion](http://www.myigetit.com/3dconnexion).

 [Click here to return to Contents](#)

## ***Intercad Launches SolidWorks 2013 in ANZ***

27 September 2012

Intercad, the Australian and New Zealand authorised reseller of SolidWorks 3D CAD/CAM technology, is launching SolidWorks 2013 at a series of hands-on events across Australia and New Zealand.

Working closely with the SolidWorks development team and the local SolidWorks community for more than two decades, Intercad says the new products and design tools, faster modelling and enhanced collaboration will simplify a company's product development and make businesses more productive.

"There is something for everyone with SolidWorks 2013. Great new features that will make big differences across organisations on a daily basis. For example, those that have to produce to a tough schedule will appreciate the new drawing sections tool, while others will appreciate having more control over the sheet metal bend note, and others will go with making SpeedPak configurations at the top level for large assemblies," said Intercad's Mark Duggan, one of ANZ's few SolidWorks Elite Application Engineer.

Intercad will be showcasing SolidWorks 2013 at its Innovation Days across ANZ.

"Intercad and SolidWorks have come a long way over the 20-plus years we have worked together. I am extremely proud of our team and the suite of innovative products that we have to share with the community this year. At the Innovation Days, our team with unique industry insight, tools, capabilities and expertise will be available to help users address their business issues, navigate the solution jungle and offer advice on how best to deliver world-leading and cutting-edge results," said Max Piper, Chief Executive Officer, Intercad.

Key SolidWorks 2013 highlights:

### **For Everyday Users**

- Fast Start – SolidWorks now begins loading components in the background when a computer is started, resulting in a faster start/launch.
- New Section Tool User Interface – new interface allows users to create section views, aligned section views and half section views on a drawing, thus, making the process of creating complex sections a lot easier.
- Sheet Metal Bend Note – more control of bend notes, including displaying complementary and supplementary angles or both.
- Convert Drawing View to Sketch – from the shortcut menu, you can convert a drawing to view to sketch entities or a block of sketch entities. This feature will be especially useful to those that use sheet metal and whose CNC machines use colour for tooling.
- Centre of Mass Point in Assemblies – users are now able to add a Centre of Mass (COM) point to an assembly or part. This will automatically update as it is placed at the top of the features tree and so will recalculate.

# CIMdata PLM Industry Summary

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- SpeedPak Creation from Parent Assemblies – users can now create SpeedPak configurations for sub-assemblies from within a parent assembly.
- Orientation Dialogue Box and View Selector – one can use the View Selector to see and select model views in context. A nice tool that makes changing views easier, especially for newer users.
- Multiple Exploded Views – an exploded view is stored with the configuration in which it is created. Each configuration can have multiple exploded views.

## For Administrators

- SolidWorks CAD Admin Dashboard – accessed by clients on subscription through the Customer Portal. It allows users to monitor performance, hardware status and system options settings.
- eDrawings – mark-ups done in eDrawings are visible in the SolidWorks Feature Manager design tree.
- Delayed in State Notifications (Document Management) – users can create notifications that are triggered when a file has been in a state for longer than it should be; users can also create a Delayed in State Notification, where one can specify a resend value to create repeated notifications.
- Parallel Workflow Transitions (Document Management) – when creating or editing a workflow transition, users can select Parallel as the transition type. This requires multiple users to run the transition before a file is moved to a new state.

## For Simulation Users

- Plastics – new Plastics module available for injection moulding – SimpoeWorks based.
- Incremental Meshing – allows users to run through and mesh individual components in an assembly, and when ready to fully mesh, it will only mesh those components that are not already meshed.
- Sub-Modelling – for studies with a large number of bodies, the new sub-modelling feature allows users to improve the results at critical areas without having to re-run the analysis for the whole model. Refining the mesh for a selected portion of the model and re-running the analysis only for the sub-model saves computation time.

## Maximise Performance of SolidWorks 2013 Applications

To make the most of SolidWorks 2013, Intercad has invested in industry-leading hardware solutions to help businesses innovate and stay ahead of the market.

For instance, the ever popular PhotoView 360, an add-in that produces photo-realistic renderings of SolidWorks models now takes advantage of render farming in SolidWorks 2013. SolidWorks 2013 users can make the most of PhotoView 360 render farming with a high-end purpose-built BOXX technologies workstation or networkable renderPro.

The BOXX workstations, which feature over-clocked and liquid-cooled CPUs housed in custom

# CIMdata PLM Industry Summary

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carriages, can deliver 50 per cent speed increases compared with traditional PCs. With a BOXX workstation, PhotoView 360 users are able to dramatically reduce rendering times, turning a 30-minute render on a conventional dual or quad core PC into a minute and a half, and on average achieving ROIs in 10 weeks from purchase.

IC3D has also added 3D printers to its suite of products, such as the extremely cost effective and first true desktop 3D printer – The Mojo 3D Printer. The Mojo produces models in ABS<sup>plus</sup>™ production-grade, durable and high-quality thermoplastic. The Mojo is as simple to use as an inkjet printer, yet powerful enough to meet the highest 3D printing standards.

“If a picture is worth a thousand words, then a part is worth a thousand pictures. For a designer actually holding, touching and feeling an end-product is worth many thousands of pictures. That’s what affordable 3D printing does. Now every designer can have this ability at their desk. Today, not tomorrow, they can print their big ideas. And this shift will transform the businesses that embrace it,” said Julian Spencer, National Product Manager, IC3D.

For more information and registration visit: <http://intercad.com.au/sw2013/>

 [Click here to return to Contents](#)

## ***Intergraph® Releases CAESAR II® 2011 R1 for Advanced Integration with Smart 3D and SmartPlant® Review***

24 September 2012

Intergraph has released an upgraded version of CAESAR II® – the pipe stress analysis software – that offers advanced integration with its market-leading plant, offshore and material handling design solutions, SmartPlant® 3D, SmartMarine® 3D and SmartPlant 3D Materials Handling Edition, collectively known as Smart 3D, and SmartPlant® Review, Intergraph’s problem-solving 3D visualization tool.

CAESAR II 2011 R1 provides existing and potential customers a fast and customizable interface between the leading pipe stress analysis software and Smart 3D, Intergraph’s next-generation design software. This new capability is a significant first step toward achieving better integration between pipe modeling, design and analysis.

This version of CAESAR II significantly reduces time and eliminates manual re-entry by transferring Smart 3D design data into the CAESAR II model. It provides a flexible, user-configurable interface with reporting messages to give more confidence to the stress analyst in the imported model, thus reducing validation time. Also, if a designer makes any changes or additions in the middle of a project, those lines can be updated in the CAESAR II stress model without it having to be re-worked.

This interface also allows the easy export of pipe stress analysis results between CAESAR II and either

# CIMdata PLM Industry Summary

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Smart 3D or SmartPlant Review, which makes for quicker incorporation of analysis changes during a project. This availability of results provides fast and accurate transfer of information from the stress analyst back to the piping designer and civil engineer to reduce chances of errors, thus reducing project risk.

"The new Smart 3D-CAESAR II interface will greatly reduce our modeling work load and allow a smooth data transfer from the design to the engineering environment," said Mustafa Ömercik, pipe stress analyst with Linde AG, a longtime user of Intergraph solutions.

Patrick Holcomb, Intergraph Process, Power & Marine executive vice president of global business development and marketing, said, "The availability of CAESAR II results, to either Smart 3D or SmartPlant Review, makes routing and support changes clearly visible to the piping designer. Information entered once can be used many times, thereby reducing errors and lowering customers' capital expenditures. This capability continues our legacy of proven CAESAR II interfaces, such as exists with CADWorx."

The CAESAR II 2011 R1 release announcement was made in conjunction with today's start of the two-day CADWorx® & Analysis University 2012 (CAU2012) in Houston. CAU2012 attendees can learn more on Tuesday during the "Interfacing & Sharing Data CAESAR II-SmartPlant Review" session. For more information about CAU2012, visit <http://cau2012.coade.com>.

The Intergraph CADWorx® & Analysis Solutions (CAS) products allow design and engineering to share relevant information seamlessly, thereby maintaining accuracy and improving efficiency. They include CAESAR II; CADWorx Plant Design Suite for AutoCAD®-based intelligent plant design modeling, process schematics and automatic production of plant design deliverables; CADWorx DraftPro™ for intelligent 2D design and layout; PV Elite® for vessel and exchanger design and analysis; and TANK™ for the design and analysis of oil storage tanks.

Information on CAESAR II can be found at [www.intergraph.com/products/ppm/caesarii](http://www.intergraph.com/products/ppm/caesarii).

[Click here to return to Contents](#)

## ***Latest Javelin Targets Time-Saving and Efficiency***

24 September 2012

A major boon for manufacturers producing one-off items, and numerous efficiency and time-saving enhancements for all users, are provided in the latest release of the Javelin production control software. Javelin 2012r2, from Vero Software, contains major new and enhanced functionality along with many smaller items "that make a lot of difference."

Software Development Manager Steve Burrows says manufacturers are increasingly being asked for one-off, unique items that they only have to produce once. "Javelin's Contract Control function now has the ability to set up a generic template holding a unique line item for bespoke parts. That same code, under an option called 'Unique,' can be constantly reused, meaning you don't end up with thousands of

# CIMdata PLM Industry Summary

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redundant part numbers cluttering up the database. It allows effective control under just one generic part number.”

Sales Manager Keith Breadmore says Javelin 2012r2 contains a combination of new and enhanced functions that have been specifically asked for by customers and those devised by the software’s developers. One of the customer requests is the new Invoice EDI Export. “Electronic Data Interchange is becoming more popular, and a number of customers asked for the ability to export their invoices into an EDI format, so their own customers can read it and effectively pay them against it.” It uses Crystal Reporting templates, so the export can be defined to whatever format the customer requires. And invoices are batched for accurate regeneration and historic enquiries.

Amongst the other major new functionality:

- With more customers needing to collect proof of delivery before they can despatch invoices, Javelin now contains a program to enter, view and chase Proof of Delivery information and Delivery Note status. The invoice cannot be raised while the PoD flag is still showing.
- Cure dates are now recordable against incoming materials when items from suppliers are processed at Goods In. That cure date stays with the part during its time on the shop floor.

Enhancements include the estimating module using relevant price breaks from price books. Says Steve Burrows: “Javelin has always been able to hold price breaks within the price book feature, but until now that hasn’t been available for estimates. This enhancement makes it a much more accurate tool, especially for multiple level estimates.”

Part Mass Update: When information has been created on a spreadsheet, a mass import into Javelin overcomes the previous requirement of having to undertake updates record by record. In addition, Javelin 2012r2 contains around 20 minor enhancements which Keith Breadmore says combine to make a lot of difference.

Included in this combination of minor enhancements:

- Serial numbers can be entered rapidly using a barcode scanner
- Goods Received Note labels have been customised with Crystal templates, giving a different label for each type of Purchase Order
- There is an improved audit report for Works Orders suggestions
- A Supply Versus Demand function now instantly shows the knock-on effect a late delivery from a supplier will have on the production process.

“This new release carries on the tradition of adding functionality that our customers have requested or our developers have created, while being simpler and easier to use. We’ve reviewed the screens as a manufacturer would be using them, to see how they had to jump from program to program. We’ve made as much information available as possible from just one program, so the operator can get on with their job instead of constantly clicking menu items.

“Overall, Javelin 2012r2 saves users a considerable amount of time.”

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## *New Sponsorship Program Supports Students & Teachers in Manufacturing Education*

24 September 2012

When it comes to kids learning to become manufacturers BobCAD-CAM Software has an entirely different take on them as "Manufacturers of The Future." It's because of this that BobCAD-CAM decided to create and launch their all new "[Manufacturers of The Future](#)" program for schools, teachers and students everywhere! The goal of this program is to provide teachers and students with the latest in CAD Design and CAM, CNC machining software technology at costs that can easily fit into their budget.

This program includes special pricing that works for [schools](#) as well as for [students](#) that want a powerful CAD/CAM solution they can take with them as they enter the work force upon graduation. BobCAD-CAM is already working with many schools throughout the nation as well as Canada to support their efforts in education students at all levels and of all ages. "We have really seen some success so far with the program that has setup several schools with complete lab packages, training video products and several hundred students have already graduated and have entered the workforce equipped with software giving them the head start that they needed to be successful," said Kevin Hughes who is the director of the student success department at [BobCAD-CAM](#) software. These class-lab software packages include training tutorials and video instructional materials that are aimed at creating professionals with the skills required to enter the manufacturing industry successfully. Currently students that sign up for the program receive a complete 2D & 3D CAD Design solid modeling system at no cost to help them with design, solid modeling and drafting.

For more information on how the Manufacturers of The Future program can help your school or assist you as a student call 866-408-3226 or visit BobCAD-CAM online at <http://www.bobcad.com>.

 [Click here to return to Contents](#)

## ***PDF3D ReportGen Doubles Format Types, Adds PDF***

25 September 2012

In the PDF3D@ReportGen desktop application version 2.5.0, Visual Technology Services has introduced additional industry standard 3D file formats and new approach to PDF template style formats for 3D PDF report production ([www.pdf3d.com](http://www.pdf3d.com)). This release doubles the number of file formats to over 70, including DXF, DWG, DWF and DGN, Collada and Blender types. New methodology enables 3D model placement using a library of template PDFs, including 3D model substitutions. The key features of this update are:

- Smaller PDFs than original CAD model, Highly compressed PRC methods
- Increased informational value by Annotated assemblies with 3D lead-lines, dimension arrows, part
- labels, PMI, GD&T, perspective, isometric views, scene level ruler dimensions

# CIMdata PLM Industry Summary

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- Merging CAD models with Analysis Result Contours
- Capture animation sequences of transient data by loading file sequences
- Session XML compatible with production PDF3D XML Server system
- Choice of Windows, Linux and Apple both 32 & 64 Bit Desktop Versions

PDF3D ReportGen is used for commercial technical 3D reporting work-flows in life sciences, marine, civil, environmental engineering projects, earth resource exploration, astronomy, numerical modeling, and general scientific data visualization reporting. With enhanced interfaces, PDF3D ReportGen enables faster decision making, lowering project costs through improved team collaboration.

 [Click here to return to Contents](#)

## ***ProPlus Design Solutions Unveils Innovative Design for Yield Software***

25 September 2012

ProPlus Design Solutions, Inc., provider of Design for Yield (DFY) solutions that integrate device modeling, parallel SPICE simulation and statistical analysis, today unveiled NanoYield™, fast and accurate yield prediction and optimization software for memory, logic, analog and digital circuit design.

Faster than traditional Monte Carlo analysis for both regular three-sigma and advanced six-sigma analysis, NanoYield is part of ProPlus Design Solutions' transistor-level statistical modeling and design and variations-aware product portfolio. It features High Sigma analysis, advanced Monte Carlo analysis and NanoSPICE™ parallel SPICE simulator to accelerate statistical simulation performance.

"The addition of NanoYield rounds out our product portfolio, solidifying our position as the only company to offer device modeling, SPICE simulation and DFY analysis integrated into one tool suite," says Dr. Zhihong Liu, executive chairman of ProPlus Design Solutions. "We are the only company to offer all three solutions."

### **Introducing NanoYield**

NanoYield can be integrated into an existing design flow and predicts yield at early design stages, enabling engineers to evaluate and optimize integrated circuit (IC) designs for optimum yield and performance tradeoffs.

It includes innovative algorithms and parallel technologies to accelerate statistical simulation performance. NanoYield's engine is the NanoSpice parallel SPICE simulator and contains Monte Carlo Pro (MC-Pro) technology with parallel processing that can deliver 10 to 100 times acceleration over traditional Monte Carlo products. Its High Sigma Pro (HS-Pro) feature licensed and validated by IBM increases high-sigma (e.g., 5-6 sigma) statistical simulation performance by  $10^3$  to  $10^6$  times, offering accurate predictions of the extreme low-failure rate of cell blocks. With HS-Pro, engineers can predict the yield of repetitive structure circuits, such as memory where small cell failure rate is necessary but not predictable by practical Monte Carlo runs.

The NanoYield design flow starts with circuit design and simulation. Engineers input nominal design

## CIMdata PLM Industry Summary

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and statistical models that represent process variations into NanoYield to calculate process, voltage and temperature (PVT) variations and run Monte Carlo statistical simulations. A report will highlight yield estimations, output distributions and sensitivity and failure analysis, along with some guidelines for optimized designs. Engineers can iterate the design to further optimize it within the NanoYield flow until it meets yield and performance targets.

NanoYield takes input from the command line, the Cadence Virtuoso® Analog Design Environment or NanoExplorer, a design exploration and analysis environment used to validate and analyze models and circuit blocks. It is fully compatible with HSPICE from Synopsys and Cadence's Virtuoso Spectre® format inputs.

ProPlus Design Solutions has integrated advanced device modeling, a high-performance SPICE engine and hardware-qualified sampling algorithms into one DFY solution for faster and more accurate statistical analysis. In addition to its circuit simulation software, its product portfolio includes three SPICE modeling solutions. BSIMProPlus™ is the de-facto golden SPICE model extraction and validation platform. NoisePro™/9812B is the de-facto golden low-frequency noise characterization and modeling system. Model Explorer™ is a model validation and evaluation tool.

For more information, visit [www.proplussolutions.com](http://www.proplussolutions.com).

 [Click here to return to Contents](#)

### ***Rapidform XOV Adds New Probe-Based Measurement and Speeds Up Inspection***

25 September 2012

INUS Technology, Inc. ([www.rapidform.com](http://www.rapidform.com)) has announced the next release of its CAD-intelligent inspection software, Rapidform XOV3. With this release, Rapidform XOV becomes a full-fledged contact inspection platform, with support for every major portable CMM device on the market. The completely new LiveInspect system, unique to Rapidform XOV, offers an automatic measurement guide that makes inspecting parts with a probe easy. After defining dimensions and tolerances on a nominal model, the software guides the operator how to measure a part and then generates a report automatically.

In addition to the new probing capabilities of LiveInspect, Rapidform XOV3 has been extensively updated to offer near real-time inspection results. Calculations are up to 10x faster than before, making the process of aligning, deviation analysis and geometric dimensioning and tolerancing (GD&T) much faster and easier. In real world tests, the process of setting up inspection routines from dense point clouds takes less than half the time in this new release.

It also remains CAD friendly inspection software that can open native files from SolidWorks, PTC Creo (Pro/E), Siemens NX, CATIA V4/V5.

“We have significantly improved the user experience in Rapidform XOV3,” noted Calvin Hur, CEO of INUS Technology. “We have optimized our existing calculation engine from top to bottom, making XOV a true pleasure to use. In addition, the new streamlined probing capability in LiveInspect has already been receiving rave reviews from our customers. Right down to the minor details, it is our mission to creatively innovate and unlock the power of 3D scanning for everyone.”

# CIMdata PLM Industry Summary

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New technologies in Rapidform XOV3 minimize errors, save time and make inspection more flexible, maintaining its reputation as the safer, easier inspection software. XOV is also the only native point cloud software with in-depth GD&T support for every callout in the ASME Y14.5 standard. With this new release, XOV offers several new features to improve productivity and accuracy in the inspection process.

Highlights of the 50+ enhancements include:

- LiveInspect, Rapidform's new probing interface for more streamlined, pain-free inspection processes
- Performance improvements resulting in huge times savings with calculations that are now up to 10x faster
- Real-time preview of scan pair geometry by simple mouse-over for instant verification
- Improved Reporting using customizable templates to share inspection results faster, more easily and automatically

Carl Singelais, Quality Engineering Specialist, is very excited about Rapidform XOV3. He remarked, "I got to see the beta version of the new XOV at CMSC in July. AWESOME! I can't wait to get it on my Arm. I love how intelligent and intuitive it is."

The latest version of XOV is available in English, German, Chinese, Korean, Italian, Russian and Polish.

For more information and to request a demonstration of the new features, visit [www.rapidform.com/products/xov/xov3](http://www.rapidform.com/products/xov/xov3).

 [Click here to return to Contents](#)

## ***SimpleCAD to Offer 4 Different Flavors of Piping Symbols for Engineers***

27 September 2012

SimpleCAD has announced it will be adding 4 new updates to its 2D and 3D Pipe Library for CAD users using AutoCAD®, LT or IntelliCAD.

The new Piping Symbols collection is now compatible with new versions of AutoCAD® 2013, AutoCAD® LT 2013 and earlier. The company also reports that each year the software is checked for drawing compatibly updated with the latest CAD release.

"We are now offering four different piping flavors customers can easily pick and choose from. We find many users often order one after the other and tell us how impressed they are with the quality of the symbols and overall ease of use," says SimpleCAD Director, Erik Z.

# CIMdata PLM Industry Summary

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Pipe fittings are inserted into a drawing at an absolute scale. As they are inputted into the drawing, the drafter can also rotate the symbol before final placement. Once the piping symbol is placed in the drawing the symbol, its current layer settings will be inherited.

Symbol Libraries Are Now Offered In 4 Separate Bundles:

- 2D Piping (includes 10,000+ drawings)
- 3D Piping (includes 4,600+ drawings)
- P&ID (includes 220+ drawings)
- Isometric Piping (includes 800+ drawings)

Certain piping symbol collections are also be available for IntelliCAD and even AutoCAD® Mac users. Each Bundle or Library is he symbols organized into distinct sub categories according to fitting type and pipe size.

Erik continues, "Online shoppers often tell us that they like to pick and choose between 2D, 3D, ISO and P&ID depending on their specific needs rather than buying too much. These library offerings provide the perfect fit for them."

SimpleCAD also offers a free remote installation of the library if needed and free download trials are also offered.

Both libraries combined contains 15,620 piping symbols for generating piping plans, sections and elevations. SimpleCAD claims these piping symbols will save CAD users hours of work within a very short time.

 [Click here to return to Contents](#)

## ***Zuken's PCB Design Suites Add Support for Xilinx's Zynq-7000 All Programmable SoCs***

26 September 2012

Zuken has announced support for Xilinx's Zynq-7000 All Programmable SoCs within its CR-8000 and CR-5000 PCB design suites.

Zuken's Graphical Pin Manager (GPM) FPGA and PCB co-design environment now includes Xilinx's Zynq-7000 All Programmable SoCs, and 7 series FPGAs, within its device library.

This allows designers working with CR-8000 and CR-5000 to use Xilinx's programmable devices early in the design process and access a wider range of silicon devices in GPM. This provides designers with a complete FPGA/PCB co-design environment, and employs GPM to help manage, optimize, and intelligently communicate pin assignments anytime during the co-design process.

# CIMdata PLM Industry Summary

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Xilinx's Zynq-7000 family is the industry's first SoC family to incorporate an ARM® dual-core Cortex™-A9 MPCore™ processing system with tightly coupled programmable logic on a single die. This combination offers designers a dramatic increase in system performance, while reducing total power consumption to achieve a lower running cost than traditional two chip solutions. The all programmable nature of the Zynq-7000 devices enable OEMs to accelerate time-to-market, focus on product innovation and reprogram their products to meet changing standards and specifications.

“We welcome Zuken's support for Xilinx's Zynq-7000 family of All Programmable SoCs, and are confident that this development will help designers significantly accelerate the design process for a broad range of applications.” Mark Jensen, Director, Embedded Systems Software/Tools Marketing, Xilinx Inc.

“In the competitive electronic equipment industry, the speed with which EDA vendors can offer the latest device-based design environments determines when customers can launch new products or take advantage of new business opportunities. This ongoing partnership with Xilinx offers GPM support for their advanced devices in response to customers' needs.” Kazuhiro Kariya, Zuken's Chief Technical Officer.

## **GPM features**

GPM optimizes pin assignment when co-designing the logical and physical circuits of PCBs, reflecting design changes directly to the logical and physical circuits and vice versa. In addition, libraries such as circuit symbols and footprints based on different criteria or attributes, such as I/O banks, are generated automatically. This results in optimized, highly-efficient and high-quality circuit/board design processes for FPGA components.

## **GPM device library**

The latest device library containing Zynq-7000 family information is available for Zuken users to download at Zuken Global Support: <https://support.zuken.co.jp/global/home>

 [Click here to return to Contents](#)