

## Contents

<b>CIMdata News</b>	<b>2</b>
CIMdata Publishes Review of OPEN MIND Technologies hyperMILL	2
<b>Acquisitions</b>	<b>3</b>
3D Systems Acquires TeamPlatform	3
<b>Company News</b>	<b>4</b>
AVEVA joins Offshoreenergy.dk	4
BASF Wins Inaugural Altair Enlighten Award for Innovation in Automotive Vehicle Light-Weighting with its Composite Seat Pan	4
CADD Microsystems Recognized as Autodesk's Top Authorized Training Center in the Mid-Atlantic	5
intrinsicSIM, BeyondCAE to Collaborate	6
Kelar Pacific, LLC Announces a new Partnership with e-PlanSoft™	7
Microsol Resources Awarded Autodesk Civil Infrastructure Specialization	7
OPEN MIND and hyperMILL® Continue on the Road to Success According to latest Ranking	8
RISA-Tekla Link Selected as a 2013 Hot Product by Modern Steel Construction Magazine and the American Institute of Steel Construction	9
TCS Generates STEM Jobs in US, Hires 174 College Graduates	10
TCS Wins IABC Gold Quill Excellence Award	11
<b>Events News</b>	<b>11</b>
CNC Software, Inc. and InterCAM Showcase Mastercam X7 at EMO 2013	11
Delcam's Enhanced Electrode Solution on show at EMO	12
Delcam to Show Machining with Robots at Advanced Engineering	14
Famic Technologies Showcases Its CAD and Simulation Software at ISARC 2013 in Montreal	15
GibbsCAM to Demonstrate Latest Capabilities at Westec 2013	16
GibbsCAM to Demonstrate New Capabilities at EMO 2013	17
Hagerman & Company to Host Autodesk Simulation Mechanical Workshop	18
Mentor Graphics to Present at the 15 <sup>th</sup> Annual Pacific Crest Global Technology Leadership Forum	18
<b>Financial News</b>	<b>19</b>
HP to Present Live Audio Webcast of Third Quarter Earnings Conference Call	19
Mentor Graphics Corporation to Release Fiscal Q2 2014 Financial Results August 22, 2013	19
Synopsys Announces Earnings Release Date for Third Quarter Fiscal Year 2013	19
<b>Implementation Investments</b>	<b>20</b>
Cabinet Vision "Changed Staff Mindset" on Design	20
Delcam's FeatureCAM Cuts Programming Times from Days to Minutes	22
Fashion Avenue Sweater Knits Implements NGC's Fashion PLM and Supply Chain Management Solution	23
Lectra helps ManiForm Achieve a Highly Efficient Manufacturing Flow	24
Sleepwear Leader Taps Visual PLM.net® to Advance Customer Focus	26
<b>Product News</b>	<b>26</b>
Altium Takes Native 3D PCB to a New Level of ECAD and MCAD Integration	26
Aras Announces Latest Open Release of Advanced Enterprise PLM Platform	27
Atego and PTC Collaborate to Realize the Value of System Modeling & Model-based Systems Engineering	29
Autodesk Introduces Breakthrough Technology for Infrastructure	30

# CIMdata PLM Industry Summary

---

AVEVA Explains how 3D Laser Scanning can help Shipyards Survive the Downturn _____	32
CADLearning eBook for AutoCAD 2014 Essentials Now Available on iTunes _____	33
CADLearning Adds AutoCAD Architecture 2014 Course to Extensive AEC Course Catalog _____	33
Cimatron and Moldex3D to Introduce Innovative Cooling Simulation _____	34
Design Data Announces Release of SDS/2 Connect 2014 _____	35
Dynamic Block in ZWCAD+ 2014 Beta: More Flexible to Make Changes _____	36
Improved IFC/ArchiCAD Connection Add-In for Revit 2014 Applications _____	37
Latest CAD Release for Collaborative Engineering Design: MEDUSA4 version 5.2 _____	37
Newly-launched ZW3D 2013 SP Beta Features Easier Design Communication _____	38
PROSTEP expands its Range of V6 xPDM Adapters _____	39

## CIMdata News

### ***CIMdata Publishes Review of OPEN MIND Technologies hyperMILL***

6 August 2013

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces released a new product review for OPEN MIND Technologies' CAM solution, hyperMILL. This product review presents CIMdata's perspective on hyperMILL, a geometry-based CAM solution that provides a highly graphical Windows-oriented user interface that supports 2- and 3-axis milling, high-speed cutting, mill-turn and industry-leading 5-axis milling capabilities for cavities, surfaces and specialized machining tasks. The suite of hyperMILL modules includes the newly-developed hyperCAD-S, a high-performance CAM-capable hybrid surface and solid modeling software package for designing, editing, repairing, and analyzing surfaces and solids. This paper presents a business case offered by hyperMILL for end-users who are concerned about the business risk of transitioning from their existing 2- and 3-axis equipment, to more efficient and flexible 5-axis equipment.

This review provides CIMdata's perspective on OPEN MIND Technologies' approach to the CAM market. According to Jeanné Naysmith, CIMdata's Manufacturing Practice Manager, "With a strong commitment throughout the company to flexible and integrated applications and ease of use, OPEN MIND Technologies gives its customers an edge in quality, productivity, profitability and return on invested capital." The OPEN MIND Technologies approach results in a hyperMILL suite that contains flexible and versatile modules for automated programming, optimized processes and efficient manufacturing. Mr. Naysmith states: "The solution is developed by a knowledgeable and experienced team that continues to lead the industry in terms of innovation and creativity."

In this paper, CIMdata provides its own reflections as well as a perspectives offered by an OPEN MIND Technologies customer whom CIMdata interviewed to gain an understanding of the integral role hyperMILL plays in an end-user's business and market strategy. The complete "OPEN MIND Technologies hyperMILL—A Product Review" report is available to be freely downloaded from CIMdata's [Publications web page](#).

# CIMdata PLM Industry Summary

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## 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 providers 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

### *3D Systems Acquires TeamPlatform*

6 August 2013

[3D Systems](#) announced today that it has acquired [TeamPlatform](#), a leading cloud-based, collaborative design and project management platform. 3D Systems plans to immediately integrate the TeamPlatform technology into both its professional and consumer offerings, including [Geomagic Solutions](#) and [Cubify.com](#).

TeamPlatform allows product design, engineering services and manufacturing companies to easily manage hundreds of small or large projects with masses of data being shared and used concurrently. It delivers simple-to-use task management tools, project meta-data structuring capabilities and reusable workspace templates for effective, productive and affordable collaboration.

“TeamPlatform's powerful collaboration tools connect and expand our growing 3D content-to-print portfolio, multiplexing global productivity and real-time collaboration for our customers,” said Avi Reichental, President and CEO of 3D Systems, “We intend to immediately integrate it into our Geomagic Solutions and Cubify platforms for the benefit of our professionals and consumers globally.”

To learn how TeamPlatform can increase collaboration visit [TeamPlatform.com](#).

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

## Company News

### ***AVEVA joins Offshoreenergy.dk***

7 August 2013

AVEVA announced today that it has joined the Esbjerg-based network Offshoreenergy.dk. The network focuses on building collaboration across the Danish oil & gas, offshore and wind energy industries.

'The majority of the Danish offshore activity is in the Norwegian and British areas of the North Sea, where AVEVA has a dominant position for engineering design and information management solutions', says Thomas Brandén, Vice President – EMEA-North, AVEVA. 'We look forward to contributing to this unique organisation and joining the many networking activities with the other 275 members of Offshoreenergy.dk. '

Director Morten Basse Jensen from Offshoreenergy.dk Renewable welcomes AVEVA as one of its members. 'Our main task through networking activities is to ensure that our members engage in dialogue with relevant partners. I am convinced that Offshoreenergy.dk can contribute to strengthening AVEVA's presence in both Denmark and globally.'

In addition, AVEVA will host upcoming Offshore Engineering IT seminars in Esbjerg.

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

### ***BASF Wins Inaugural Altair Enlighten Award for Innovation in Automotive Vehicle Light-Weighting with its Composite Seat Pan***

5 August 2013

[Altair](#) today announced that international chemical company [BASF Corporation](#) has won the inaugural [Altair Enlighten Award](#) competition for the development of its thermoplastic composite front seat pan (by GM Opel, BASF, SeaTcon AG, SedisTec UG, Reinert Kunststofftechnik, Maier Formenbau). The award, presented in collaboration with the Center for Automotive Research (CAR), is the automotive industry's first award program created specifically to acknowledge innovations in vehicle light-weighting. BASF was presented with the award during the opening session of the 2013 CAR Management Briefing Seminars (MBS), in Traverse City, Mich. First runner up was shared equally by ArcelorMittal for its industry first hot stamped door ring (by Honda, ArcelorMittal and MAGNA - Cosma International), and Plasan for its carbon fibre roof (by Chrysler FIAT, Plasan Carbon Composites).

BASF, one of 10 nominees who competed for the Enlighten Award, impressed the judging committee

## CIMdata PLM Industry Summary

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with its composite seat pan, manufactured for use in the OPEL Astra OPC model passenger car. Composite materials are increasingly being used to replace traditional metallic parts in automotive vehicles due to their lightweight properties; however, they present new, often complex design challenges and have traditionally been costly alternatives reserved for premium cars.

The majority of seat pans are made from multiple stamped steel components which are welded together and must meet strict crash performance targets. BASF aimed to overcome these challenges using two special Ultramid Polyamide (PA6) injection molding grades for the Opel Astra OPC seat pan: an unreinforced grade acts as the material in which the glass fiber fabric is embedded, an impact-modified, short glass fiber-reinforced Ultramid is used as over-molding material to achieve the necessary ribs and edges of the part by means of injection molding.

Given the high strength of the composite laminate, the wall thicknesses of the seat pan could be reduced using virtual simulation technology to identify where material could be removed without negative impact to performance, allowing the weight of the component to be lowered by 45 percent (1.5kg to 0.8kg) compared to the original design. This is the world's first serial front seat pan based on this manufacturing technology. The injection molding process and materials yield a cost neutral component with a reduced packaging space.

"We would like to congratulate BASF for winning the first Altair Enlighten Award," said David Mason, Vice President Global Automotive for Altair. "Composite materials offer many advantages to car makers looking for weight savings but bring with them their own engineering and design challenges. BASF has shown that virtual simulation technology can help meet these challenges and deliver lighter, more fuel efficient vehicles."

"Our committee had the opportunity to review ten very strong nominations all demonstrating a variety of solutions with great potential for lightweighting vehicles," said judging chair Dr. Jay Baron, President and CEO of CAR, and director of CAR's Coalition for Automotive Lightweighting Materials (CALM). "New fuel economy regulations remain a significant concern for vehicle manufacturers and the Enlighten Award has highlighted a wide range of innovative strategies being implemented by the industry."

The Altair Enlighten Award is intended to honor the greatest achievements in weight savings each year; to inspire interest from industry, engineering, policymakers, educators, students and the public; to create further competition for new ideas in the industry; and to provide an incentive to share technological advances.

 [Click here to return to Contents](#)

***CADD Microsystems Recognized as Autodesk's Top Authorized Training Center in the Mid-Atlantic***  
7 August 2013

# CIMdata PLM Industry Summary

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CADD Microsystems, an [Autodesk Platinum Partner](#) and [Authorized Training Center](#) (ATC), is pleased to announce that it was ranked as the top ATC in the Mid-Atlantic region based on student evaluations.

For a company to be recognized as an Authorized Training Center, it has to meet several rigorous standards of excellence put in place by Autodesk. After each course, students evaluate the course, instructor and facilities, and CADD Microsystems received a 94.1% customer satisfaction rate, placing the company among the top ATCs in the nation.

"Our mission is to help our customers be successful through the use of technology, and training is an integral part of that process," said Matt Davoren, president and COO of CADD Microsystems. "When our customers invest in powerful solutions like Autodesk products, it's vital that they know how to get as much out of that technology as possible."

CADD Microsystems offers a wide variety of training options, with flexibility around both the method of delivery and the curriculum. Students can choose between classroom, onsite or online training, and can customize the curriculum to their needs, using actual project data where applicable. Also offered are introductory and advanced courses, topic-based courses and industry-specific courses.

"We put a lot of emphasis on providing our students with the best training experience from start to finish," explained Davoren. "Whether it's the greeting they get when they walk into our office, the snacks we provide, our award-winning instructors, or access to continual learning, we pride ourselves on being the best."

CADD Microsystems has seen consistent success with its training program recently; one of its instructors won Trainer of the Year (which is voted on by students), and the company was recognized by Autodesk as Reseller of the Year in FY2010, and Partner of the Quarter three times in the last five years.

 [Click here to return to Contents](#)

## ***intrinSIM, BeyondCAE to Collaborate***

6 August 2013

IntrinSIM announces an agreement with BeyondCAE to collaborate on enabling engineering software companies, technology providers and investors to bridge the gap between technology and market. The bilateral agreement will allow BeyondCAE and intrinSIM to subcontract services from each other to provide more comprehensive solutions for their respective customers and to leverage the synergy that these organizations bring with extensive experience and industry connections.

BeyondCAE is led by Dr. Dennis Nagy, a senior software/technology business executive and engineering simulation (CAE) industry veteran with extensive global sales, marketing, management and

# CIMdata PLM Industry Summary

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R&D background and a strong record of building and leading profitable global operations.

Dr. Nagy is an experienced executive with a broad knowledge of engineering simulation, software development, business operations and markets. He leverages deep technical knowledge of software with extensive marketing, sales and distribution experience. He has an ability to identify market opportunities, build industry relationships and develop infrastructures that capture new business, along with a proven track record in building and leading diverse teams to achieve leadership positions within targeted market segments. His specialties include strategic planning, business development, strategic marketing/positioning, sales management and channel development, geographic expansion (offices and distributors) in the Americas, Europe and Asia-Pacific. He has lived and worked professionally 8 years in Europe and conducted 60+ extended business engagements in Asia-Pacific.

 [Click here to return to Contents](#)

## ***Kelar Pacific, LLC Announces a new Partnership with e-PlanSoft™***

9 August 2013

[Kelar Pacific](#), LLC and [e-PlanSoft™](#) are announcing their partnership. Kelar Pacific offers a variety of AEC solutions including [Autodesk software](#) and [Trimble Prolog](#) project management software. e-PlanSoft offers a full line of online (cloud-based) review products for a variety of needs including Electronic Plan Review, Facilities Condition Assessment, Value Engineering, Permit and Inspection plan checks and more. e-PlanSoft currently offers these suites of products: e-PlanReview®, e-PlanCheck® and e-PlanAssessment™.

Together, these two companies now offer a powerful product to the AEC industry. Kelar Pacific, LLC focuses on providing Project Solutions to their customers and [e-PlanSoft](#) suite of applications are value added products to any project.

"We are very excited to partner with [e-PlanSoft](#). These SaaS products are easy to use and a must-have for planning and designing in the AEC industry," commented Mo Mansouri, President of Kelar Pacific.

 [Click here to return to Contents](#)

## ***Microsol Resources Awarded Autodesk Civil Infrastructure Specialization***

6 August 2013

Microsol Resources Corporation is proud to announce that it has earned the Civil Infrastructure Autodesk Partner Specialization designation from [Autodesk](#), Inc. This specialization for Autodesk's value added resellers supplements the diverse services Microsol Resources provides for a wide array of fields, from architecture, engineering, and construction, to manufacturing, digital media and entertainment. As an [Autodesk Platinum Tier Value-Added Partner](#), Microsol Resources offers Autodesk software solutions and services from pre and post-sales support, to consulting, training, and

# CIMdata PLM Industry Summary

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more; this new specialization further proves Microsol Resources' dedication to continual growth.

Autodesk's comprehensive portfolio of software for infrastructure projects includes breakthrough 3D modeling and visualization technology found in [Autodesk Infrastructure Design Suite](#) which includes [Autodesk InfraWorks](#) software and [AutoCAD Civil 3D](#) software for detailed design work, as well as [Autodesk Navisworks](#), [Autodesk 3ds Max Design](#), and [AutoCAD Map 3D](#).

Microsol Resources has been swift to educate its customers regarding the benefits of the 2014 release, including new levels of compatibility and enhanced productivity. It is this responsiveness and proactive approach that sets the company apart in its customer care.

Emilio Krausz, President of Microsol Resources states, "Our team's ability to immerse itself in all fields surrounding our clients is crucial to our mission. We do not have generic and universal solutions; we instead strive to make sure each customer receives personalized and detailed support. While these specializations are milestones, they are by no means an indication that we will stop growing or continuing to expand our breadth of knowledge and specialties."

Joseph Romano, the Principal of Langan Engineering and Environmental Services Inc. states "Microsol Resources has been a real asset to Langan and our many active BIM projects. Their technical support team has been successfully integrated into our internal communication and project team to react quickly and troubleshoot all of our issues. They have always provided professional and thorough responses. They provide flexible, custom project-focused AutoCAD Civil 3D training to our multi-discipline teams. To us, Microsol Resources is more than a reseller. They are a consultancy of the highest caliber and one of the most professional and responsive organizations we rely on to support our business. We look forward to taking advantage of their expertise, services and products for the benefit of our business and growth of our staff, for many years to come."

 [Click here to return to Contents](#)

## ***OPEN MIND and hyperMILL® Continue on the Road to Success According to latest Ranking***

7 August 2013

OPEN MIND, the CAM/CAD software manufacturer, now ranks among the top five global providers of CAM solutions. CIMdata, an independent market research company, verified the company's success in an analysis of the 2012 market figures. OPEN MIND moved up two slots in the ranking based on market shares compared with the results from 2011.

OPEN MIND's success is even more pronounced when you consider the company's increase in turnover. Turnover increased by 14.8 per cent in 2012, rocketing OPEN MIND up to number three on the list of CAM providers with the strongest growth, which is up four positions from 2011. The company climbed two positions to number six in terms of number of employees.

# CIMdata PLM Industry Summary

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"Our *hyperMILL*<sup>®</sup> CAM solution has made us a technological leader in the industry and we have been able to transform this technological lead into growing market shares," says Volker Nesenhöner, CEO of OPEN MIND Technologies AG. "We have placed our focus on developing intelligent machining strategies that most effectively utilize the specific opportunities of each and every NC machine. In turn, our customers' investments in machines pay off in less time and are more sustainable. And our customers pay attention to this fact. This specialization, together with our employee's expertise and motivation, forms the basis of our solid growth."

 [Click here to return to Contents](#)

## ***RISA-Tekla Link Selected as a 2013 Hot Product by Modern Steel Construction Magazine and the American Institute of Steel Construction***

7 August 2013

[Tekla](#) today announced the [RISA-Tekla Link](#) was selected as a hot product by [Modern Steel Construction magazine](#) and the American Institute of Steel Construction. The recognition emphasizes products that focus on improving efficiency and increasing integration through the use of computer technology.

Bringing together two leading steel design solutions, the RISA-Tekla Link gives users the combined benefit of the design, detailing and collaboration strengths of Tekla Structures and the comprehensive steel connection design features of RISAConnection.

With Tekla Structures, users create and manage accurately detailed, highly constructible 3D structural models that can be used to ensure success across the entire building process from conceptual design to fabrication, erection and construction management. The RISA-Tekla Link utilizes and extends these capabilities to include steel connection design by RISAConnection directly within the Tekla Structures environment, a critical piece of the overall design process.

"We are excited that conference attendees recognize the value that this link brings to the industry and both software companies," said Amber Freund, director of marketing for RISA Technologies. "Both RISA and Tekla are continuously working toward developing the best solutions possible for automating steel design and engineering."

"Being selected alongside RISA as a 2013 hot product in the eyes of The Steel Conference attendees, Modern Steel Construction magazine and the American Institute of Steel Construction, is a great honor," said Mark Allphin, business manager of the steel segment for Tekla North America. "This recognition by key members of the structural steel industry is testament to the hard work and effort RISA put into developing the link and both companies' efforts in continuously working to improve our solutions to meet and exceed their needs."

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## ***TCS Generates STEM Jobs in US, Hires 174 College Graduates***

5 August 2013

Tata Consultancy Services (TCS) announced that it has hired 174 college graduates this year. These new hires are a continuation of TCS' history of sustaining and adding Science, Technology, Engineering, and Mathematics (STEM) jobs to meet the demands of its global customers. Over the past four years, the company has recruited over 500 highly skilled college graduates across the United States.

These new hires hail from 26 states plus the District of Columbia across 71 different universities. Seventy-four of the new hires joined in April and June; the remaining 100 new hires will join TCS in waves throughout the summer. All of TCS' new employees will undergo TCS' Initial Learning Program, a six- to twelve-week long talent development training program, housed out of TCS' Cincinnati, OH facility. After they have completed their training program, 100 hires will be based at the Cincinnati campus, which has a vibrant workforce of over 600 employees. The remaining 74 will be working in locations across the country to support the business growth in those markets.

“TCS is committed to identifying, developing and providing growth opportunities for local talent throughout the United States,” said Surya Kant, President, [North America](#), [UK](#) and [Europe](#), TCS. “We view new college hires as an opportunity to grow our highly skilled workforce and help support economic growth across the country. We're especially pleased to be adding so many new employees to our renowned delivery center in Cincinnati.”

TCS' workforce development and community engagement strategies in the United States are focused on advanced and niche technology skill development and certification, and the company is involved in numerous efforts to cultivate the talent that will make up the future technology workforce. For example, in June of this year at CGI America, a nationwide gathering hosted by the Clinton Global Initiative in Chicago, Illinois, it was announced that TCS has joined US2020 as a [Founding Leadership Partner](#). US2020 is a national STEM education initiative that aims to engage one million STEM professionals in mentorship opportunities by the year 2020. TCS will be the lead partner in developing US2020's web-based matching technology that will help place STEM volunteers into high-impact mentoring opportunities with top non-profits working across different grades, settings and delivery models.

TCS also recently kicked off the latest year of its own STEM education initiative – the [TCS goIT Student Technology Program](#)- a multi-tiered outreach program engaging students, parents, universities and local government with the goal of increasing student excitement and participation in technology-related careers. Since goIT's launch in 2009, the program has evolved from a two-school camp to a national, year-long program that has influenced over 7,000 students across 35 school districts and this year will reach schools and students across 10 cities in the United States as well as Toronto, Canada.

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## ***TCS Wins IABC Gold Quill Excellence Award***

5 August 2013

Tata Consultancy Services (TCS), announced, that it has won the International Association of Business Communicators (IABC) Gold Quill Excellence Award for its “Big Four” IT services corporate communications campaign globally.

TCS’ European entry had qualified for the global competition by winning the EMERALD Award from the IABC Europe chapter earlier this year. The Gold Quill Awards recognize the best and brightest in global business communication and this year’s competition received nearly 800 entries from around the world.

Tim Buckley, IABC 2013 Gold Quill Awards Chair, said, “Gold Quill is an international symbol of excellence in strategic communication that recognizes smart thinking, exceptional execution and proven results. The communications team at TCS has demonstrated that they deliver meaningful work that both contribute to business results and helps builds the overall reputation of the communication profession. Winning this Gold Quill Award puts TCS in the top ranks of the world’s business communicators. “

Pradipta Bagchi, Vice President & Global Head, Corporate Communications, TCS, said, “This award serves as an excellent recognition of our constant endeavor to increase our visibility and tell our company’s story at a global level. We have aimed at staying ahead of the curve by innovating and investing in our communications and influencer programs, backed up by a rapidly evolving capability of our global communications team and partners.”

The winning communications campaign had highlighted TCS position as a leader in its industry, through the evolution in its brand. Recently, TCS [announced an over \\$1 billion increase in brand value](#) as measured by Brand Finance, the world-leading brand valuation firm. Brand Finance’s assessment also confirms that TCS has improved its brand strength and now belongs to its industry’s top club of three AA+ rated IT services brands. The TCS brand value stands at \$5,247 million in 2013, up from \$4,068 million in 2012, consolidating the company’s position as a [Big Four IT services brand](#).

 [Click here to return to Contents](#)

## Events News

### ***CNC Software, Inc. and InterCAM Showcase Mastercam X7 at EMO 2013***

9 August 2013

CNC Software, Inc., is traveling to Hannover to support esteemed German Mastercam Reseller InterCAM at the EMO show. EMO attendees will get to experience the most powerful Mastercam machining software yet. Stop by Hall 25, Stand L25 at the Hannover Exhibition Center in Hannover,

# CIMdata PLM Industry Summary

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Germany, September 16-21 for a look at Mastercam X7, the latest Mastercam release. Mastercam X7 introduces many significant new capabilities, including the new Mill-Turn product, Renishaw Probing, and much more.

## **New Mastercam Mill-Turn**

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

## **Renishaw Probing**

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

## **New Lathe Dynamic Rough Toolpath**

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

Also available in Mastercam X7:

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

Visit [www.mastercam.com](http://www.mastercam.com) for information about the Mastercam X7 release.

 [Click here to return to Contents](#)

***Delcam's Enhanced Electrode Solution on show at EMO***

6 August 2013

# CIMdata PLM Industry Summary

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Delcam will demonstrate the latest enhancements to its Delcam Electrode integrated solution for the design, machining and inspection of electrodes on stand K18 in Hall 25, the largest stand of any CAD/CAM supplier, at the EMO exhibition to be held in Hannover, Germany, from 16th to 21st September. The enhancements include support for burn-vector electrodes, automated machining of electrode frames, batch processing of multiple machining projects and faster generation of electrode drawings. Delcam Electrode also benefits from a number of options introduced into Delcam's PowerSHAPE design software, which provides the CAD element of the overall solution.

Full details are available on the website – [www.delcam-electrode.com](http://www.delcam-electrode.com).

Burn-vector or side-sparking electrodes are used to spark undercuts within moulds, including those needed for submarine gates, or to avoid any possibility of a collision when sparking the base of a deep rib or similar feature. They use an arbitrary axis for their operation, rather than being aligned with the principal axes. Delcam Electrode now allows these electrodes to be designed and used with the same quick and easy wizard-based process available for conventional electrodes. The electrode action can be simulated in the software and the final design passed to Delcam's PowerMILL CAM system for machining in the same way as standard electrodes.

Electrode frames are used to provide the basis for machining and inspection datums. Delcam Electrode now allows these areas to be modelled and then coloured separately from the electrode blank. This makes it easy for them to be identified in PowerMILL for automated manufacture using a specific template. The burn region, extension faces and clearance faces were already able to be displayed and machined with separate colours in this way.

The ability to automate programming within PowerMILL as part of the electrode solution does save considerable time for the user. However, when machining a large number of electrodes, it is inefficient to wait for toolpaths to be calculated on each individual project. To overcome this problem, the option to use batch processing of multiple projects has been introduced within the electrode machining wizard.

The user now simply allocates one machining template in PowerMILL to a series of electrodes if the designs are similar, or applies the appropriate template to each example if they differ significantly in size or style. Processing the toolpaths starts as soon as the first project is loaded. Subsequent projects are displayed in a list, with calculations beginning on the next item in the list automatically.

At any stage, the user can move items up and down the list, depending on the urgency of the various tasks. If the calculations for a particular electrode cannot be completed, for example, if the software detects a collision, the problem is recorded and PowerMILL moves on to the next item automatically. Thus, a long series of calculations can be left to run overnight if necessary. Alternatively, the complete series of projects can be collected into a folder and moved to a second computer for calculation, while the user carries on with other tasks on his main computer.

# CIMdata PLM Industry Summary

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The ability to generate customised drawings automatically is another important benefit of the electrode solution. This has been enhanced so that information generated while the user progresses through the electrode-design wizard, such as the project name or the different spark gaps to be applied, is used to fill in details for the drawings immediately. Generation of the drawings when the design is complete becomes much faster as a result.

All of the direct modelling enhancements to PowerSHAPE help to speed the creation of the electrode design. Of particular benefit are the "replace-face" command, which ensures extensions are at the same height when merging electrodes to be machined from a single blank, and the "solid-split command", which makes it easier to divide unwanted material away from the electrode to create a simpler shape for machining.

Delcam Electrode combines Delcam's PowerSHAPE CAD software, PowerMILL CAM system and PowerINSPECT inspection software to give a completely integrated solution for the design, machining and inspection of electrodes. At the heart of the Delcam solution is a novel file format – the .Trode file. This contains all the information for each electrode project, including not only the electrode design but also the machining and inspection information, plus the set-up sheets for its manufacture and use. Having all the required information in a single file simplifies data management as well as increasing overall efficiency.

 [Click here to return to Contents](#)

## ***Delcam to Show Machining with Robots at Advanced Engineering***

5 August 2013

Delcam will demonstrate machining with robots using the PowerMILL Robot Interface at the Advanced Engineering group of events that is to be held at the NEC, Birmingham, on 12th and 13th November. The PowerMILL Robot Interface can be used for the programming of robots for a variety of multi-axis machining operations, including patternmaking, modelmaking, trimming and drilling of composite components, and deburring and polishing of metal parts.

The PowerMILL Robot Interface replaces the earlier VB application that was developed for robot machining, which has been completely rewritten and fully embedded inside PowerMILL as a plug-in. This approach makes it as easy to program a robot for machining as it is to program a five-axis machine tool. With the Robot Interface being a fully-associated application inside PowerMILL, users have access to all the multi-axis machining strategies within PowerMILL and can use all the system's project management options to manage, store and retrieve data.

The core functionality of the PowerMILL Robot Interface consists of three main steps: programming, simulation (including analysis) and creation of the robot programs.

Robots can be programmed for tool-to-part applications, making them ideal for machining large parts,

# CIMdata PLM Industry Summary

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such as composite panels that need to be trimmed, or for part-to-tool applications, such as grinding or finishing. The working area can be extended with linear tracks and rotary tables for even greater flexibility over the size and types of parts that can be manufactured.

The PowerMILL Robot Interface can then be used to simulate the complete machining operation and to control the robot's movements through different variables, such as axis limits, axis priorities and workplane constraints. Various aspects within the configuration of the robot cell, such as axis limits, tool constraints and home position, can be defined, and the simulation of the robot completed within those constraints.

The robot's working envelope can be displayed to optimise the position of the part or initial stock, and so give maximum access to the material. The maximum range of movements required of each axis can be viewed to analyse the robot's behaviour and movements throughout the operation.

Any issues that may prevent the toolpaths from being completed successfully are highlighted, with notifications of the robot potentially reaching axis limits, singularities and collisions. Graphs display the axis limits, wrist singularity and axis reversals, to give a better understanding of how the robot will move. Similarly, the acceleration and deceleration of the robot's axes are shown on time-based graphs.

Once the results of the simulation have been reviewed, and modified if necessary, the program can be output in the appropriate robot native language, for example for KUKA, ABB, Fanuc, Yaskawa Motoman or Stäubli equipment, eliminating any need for third-party translation software. Acceleration, smoothing values and other robot-specific parameters can be defined as part of the output. Full support for external axes, such as rotary tables and linear tracks, can be included, as well as dedicated tools for spindle calibration.

Overall, the PowerMILL Robot Interface helps users to get the most out of any robot type in the shortest possible time. The simplified workflow makes it easy to program, simulate, review and refine toolpaths, whilst also enabling the robots to achieve levels of accuracy similar to many CNC milling machines when cutting softer materials.

 [Click here to return to Contents](#)

## ***Famic Technologies Showcases Its CAD and Simulation Software at ISARC 2013 in Montreal***

5 August 2013

[Famic Technologies Inc.](#) is proud to showcase its CAD and simulation software at ISARC 2013 (International Symposium on Automation and Robotics) in Montreal from August 11-13. Visit BOOTH #1023 for personalized demonstrations.

# CIMdata PLM Industry Summary

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For more than 25 years, Famic Technologies has remained one step ahead in the fields of software engineering and industrial automation. Respecting budgets and project timelines, Famic is known for developing solutions strategic to its customers' needs.

 [Click here to return to Contents](#)

## ***GibbsCAM to Demonstrate Latest Capabilities at Westec 2013***

5 August 2013

Gibbs and Associates, developer of [GibbsCAM®](#) software for programming CNC machine tools and a Cimatron company, announced its participation in Westec 2013, in Los Angeles, CA, at the Los Angeles Convention Center, October 15-17, 2013. GibbsCAM will be demonstrated in booth 3012.

**GibbsCAM's High-Speed Machining (HSM)** capabilities will be highlighted, including GibbsCAM VoluMill, which enables milling cycles up to 3 times faster, while simultaneously reducing tool wear. In GibbsCAM, VoluMill maximizes material removal rates by generating toolpaths optimized for the highest feed rates, using constant tool loading, and automatically choosing the best option for individual pockets, including plunge speed and material removal rates.

**GibbsCAM's powerful Multi-Task Machining (MTM)** provides milling and turning functions in a single interface, minimizing programming effort to maximize programmer efficiency. A multi-task machine's specific configuration is automatically captured by GibbsCAM settings, with support for all utility operations available on the machine and its installed optional equipment. GibbsCAM MTM supports an unlimited number of tool groups, turrets and spindles, including those of Swiss-style machines. The software enables elimination of multiple set-ups, greatly improving part quality and production speed.

The broad range of enhancements in the recently released **GibbsCAM 2013**, all designed for

# CIMdata PLM Industry Summary

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programmer and machining efficiency, will be demonstrated. New capabilities for feature- and knowledge-based machining, plus contouring and pocketing improvements, and new, specialized options for turbomachinery parts and engine porting, will all demonstrate how GibbsCAM 2013 maximizes productivity and profits for its users.

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

 [Click here to return to Contents](#)

## ***GibbsCAM to Demonstrate New Capabilities at EMO 2013***

6 August 2013

Gibbs and Associates, developer of [GibbsCAM®](#) software for programming CNC machine tools and a Cimatron company, announced its participation in the EMO 2013 trade show, held in Hannover, Germany, September 16-21, 2013 in Hall 25, Stand G30.

**GibbsCAM's High-Speed Machining (HSM)** capabilities will be highlighted, including GibbsCAM's use of VoluMill, which enables up to 3 times faster machining and significantly reduced tool wear. This capability maximizes material removal rates by building toolpaths that optimally control tool cutting factors, automatically taking into account the best option for milling pockets, including the speed of a tool plunging into the material and material removal rates. Variation in tool load is smoothed, allowing the machine to use much higher speeds and feeds.

**GibbsCAM's powerful Multi-Task Machining (MTM)** capabilities provide seamless access to both turning and milling capabilities. The machine tool's specific configuration is automatically captured by GibbsCAM's settings, and full support is offered for the machine's utility operations. Support is also provided for an unlimited number of turrets and spindles, with only one set-up required for the machine to transfer the part from spindle to spindle.

Recently-released **GibbsCAM 2013** will be demonstrated, showing the broad range of enhancements included in this release, such as new capabilities for Feature and Knowledge based machining, contouring and pocketing improvements, and new options for turbomachinery and engine porting specializations. GibbsCAM 2013 is focused on programming and machining efficiency, and maximizing productivity and profitability for end users.

In addition to GibbsCAM, also on display at the Cimatron Group booth will be sister software CimatronE. CimatronE is an integrated CAD/CAM solution with dedicated functionality for mold and die makers and discrete part manufacturers.

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## ***Hagerman & Company to Host Autodesk Simulation Mechanical Workshop***

7 August 2013

Hagerman & Company, Inc., one of the nation's largest Autodesk value-added resellers, will host a free workshop focusing on the benefits of [Autodesk Simulation Mechanical for FEA](#) software. The event will take place on Thursday, August 15th at 2 p.m. in the Hagerman St. Louis office.

Autodesk Simulation Mechanical software provides fast, accurate, and flexible mechanical simulation tools to help predict performance, optimize designs, and validate product behavior before manufacturing—minimizing reliance on costly physical prototypes.

This two hour hands-on workshop will demonstrate the ease of use of Autodesk Simulation Mechanical software and how someone using Inventor Professional for FEA could benefit from Autodesk Simulation Mechanical software.

- Learn the differences between [Autodesk Inventor Pro](#), Autodesk Simulation Mechanical and [Autodesk Simulation CFD](#). What is non-linear analysis and why is it important to you?
- Experience the ease of use of the Autodesk Simulation Mechanical solution
- See how heat and stress can impact your design

“The Hagerman team is pleased to work directly with customers in this workshop format and to demonstrate how the Autodesk Simulation Mechanical software can improve workflow and reduce overall cost,” said Hagerman & Company CEO Sandy Hagerman.

For more information or to register, contact Hagerman & Company at (800) 422-0313 or <http://www.hagerman.com/>.

 [Click here to return to Contents](#)

## ***Mentor Graphics to Present at the 15<sup>th</sup> Annual Pacific Crest Global Technology Leadership Forum***

6 August 2013

Mentor Graphics Corporation announced that Joseph Reinhart, Vice President of Corporate Development and Investor Relations, will present at the 15<sup>th</sup> Annual Pacific Crest Global Technology Leadership Forum.

**Who:** Joseph Reinhart, Vice President of Corporate Development and Investor Relations at Mentor Graphics

**When:** Monday, August 12, 2013, 11:00 am Mountain Time

**Where:** Sonnenalp Resort, Vail, CO

 [Click here to return to Contents](#)

## Financial News

### ***HP to Present Live Audio Webcast of Third Quarter Earnings Conference Call***

7 August 2013

HP will conduct a live audio webcast of its conference call to review its financial results for the third fiscal quarter ended July 31, 2013.

The call is scheduled for Wednesday, Aug. 21, at 5 p.m. ET / 2 p.m. PT, and will be available at [www.hp.com/investor/2013Q3webcast](http://www.hp.com/investor/2013Q3webcast).

A replay of the audio webcast will be available at the same website shortly after the call and will remain available for approximately one year.

 [Click here to return to Contents](#)

### ***Mentor Graphics Corporation to Release Fiscal Q2 2014 Financial Results August 22, 2013***

8 August 2013

Mentor Graphics Corporation today announced they will release financial results for the company's second fiscal quarter, ended July 31, 2013, on Thursday, August 22, 2013, at approximately 1:15 p.m. Pacific.

- Live audio webcast at [http://www.mentor.com/company/investor\\_relations](http://www.mentor.com/company/investor_relations). Please register at this website prior to the scheduled call time of 2:00 p.m. Pacific.
- Conference call replay: Begins August 22, 2013 (4:00 p.m. Pacific); Ends August 29, 2013 (11:59 p.m. Pacific). USA: 800-475-6701; International: 320-365-3844; Access code: 300403.

 [Click here to return to Contents](#)

### ***Synopsys Announces Earnings Release Date for Third Quarter Fiscal Year 2013***

7 August 2013

Synopsys, Inc. announced it will report results for the third quarter fiscal year 2013 on Wednesday, Aug. 21, 2013, after the market close.

# CIMdata PLM Industry Summary

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A conference call to review the results will begin at 2:00 p.m. PT (5:00 p.m. ET) and will be hosted by Aart de Geus, chairman and co-chief executive officer, and Brian Beattie, chief financial officer.

Financial and other statistical information to be discussed on this conference call will be available on the corporate website at <http://www.synopsys.com>, immediately before the call. A live webcast will also be available on this site. Participants should access the live webcast at least 10 minutes prior to the start of the call. A webcast replay can be accessed on the corporate website beginning Wednesday, Aug. 21, 2013, at approximately 4:00 p.m. PT. The replay will remain available until Synopsys announces its fourth quarter and fiscal year 2013 results in December 2013. In addition, a dial-up replay of the conference call will be available beginning Aug. 21, 2013 at 4:00 p.m. PT, ending on Sept. 4, 2013 at midnight. The replay telephone number is USA (800) 475-6701, and International (320) 365-3844, Access Code 299801.

 [Click here to return to Contents](#)

## Implementation Investments

### *Cabinet Vision “Changed Staff Mindset” on Design*

7 August 2013

Having installed Cabinet Vision at the start of the year, a company specialising in manufacturing technical furniture mainly for CCTV control rooms, says the woodworking software has changed the mindset of its staff.

“It’s so easy to use, it’s allowed our staff with no training or experience of design software to design and machine parts,” says Steve Mitchell-Yorke, Manufacturing Manager for Intech Solutions.

CNC operator and edge bander Sam Burton was so taken with Cabinet Vision that he spent his lunchtimes in the CAD office learning about it. “Sam wanted to see what was creating all the magic for our Anderson Stratos CNC router, and within a week he could design whole jobs. Which is just as well, as he undertook some urgent design work that came up when our full-time designer was on holiday. Because we had Cabinet Vision we were able to continue producing designs which we couldn’t have without it.”

Intech focuses on manufacturing control consoles for customers such as Harrods, Heathrow Airport Terminal 5, local authorities, shopping centres, department store TK-Maxx and the Imperial War Museum. He says with less than three per-cent of their work being repeats, their consoles are mostly completely bespoke, many of them having drop-down levels to accommodate screens, and are required to house computers and video recording equipment.

## CIMdata PLM Industry Summary

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With the average job needing around 150 panels on swift turnaround times, they realised last year that they needed to upgrade their software to produce accurate designs much quicker than they had been. Steve Mitchell-Yorke usually has a deadline of around six weeks from receiving an order, to the finished furniture being required.

“Within that time there could still be two or three weeks before the room is ready for us to carry out our survey, and after we’ve produced the initial design we may still have to wait another week for final sign-off or amendments to be agreed. So we could be left with less than a fortnight to actually do the job. We only had 2D design software, and it was unrealistic to expect our designer to stay on top of his workload at the levels and accuracy demanded.”

So they invested in Cabinet Vision Solid Ultimate for 3D design, and Screen-To-Machine to send the CNC codes to the Anderson. And he says it not only prompted Sam Burton to teach himself how to use it, but it is changing the mindset of other employees, too. “We have a project manager in his 50s who wouldn’t go near a computer before Cabinet Vision. Now he’s drawing his own room plans for the first time.”

And Steve Mitchell-Yorke, who did not have hands-on CAD experience himself, is finding Cabinet Vision to be a complete revelation. “With our previous software the programming seemed too daunting. It wasn’t easy to get into and use. But Cabinet Vision is much more inviting and user friendly. It makes you think ‘Yes, I can do this.’ Because it’s possible to drag and drop parts from our library there’s always something we can easily work with to produce exactly what we need.”

They have already stored around 30 parts in the library, and he expects that by the time they have finished populating it, there will be about 150, all of which can easily be edited to suit each individual job.

He says Intech Solutions have complex needs and ask a lot of their software. “There could be a fire panel, cabling that has to stay where it is, trunking on the walls – a multitude of things that will be in the way, and therefore affect our design. So we don’t have cabinets with standard height or width; in fact we don’t have standard anything. And old buildings can have small rooms with not much space, so we need to design functional furniture for that environment, as well as consoles for larger new build rooms, perhaps on a raised floor.

“But with Cabinet Vision we simply select the part we’re going to work with, and make the necessary changes to produce a completely bespoke panel. We drag an appropriate part from the library, then use a box on screen which tells us how to make it wider and higher.”

With the 3D design and rendering functionality, he says their work stops being lines on a screen and becomes a full 3D model. “It’s not possible from a 2D design to see whether something’s going to work, but we can now see from the model if it’s accurate, and if it’s not we can easily correct it. It’s almost Design Software For Dummies.”

He says because Cabinet Vision Solid Ultimate and Screen-To-Machine have so many important features to fully automate and integrate design and manufacturing, saving time, eliminating mistakes and increasing productivity, it is important to invest time learning how to use it properly.

“The software becomes increasingly more valuable with each passing month as we understand more about its full capability.”

 [Click here to return to Contents](#)

## ***Delcam's FeatureCAM Cuts Programming Times from Days to Minutes***

7 August 2013

Pump manufacturer Blue-White Industries has reduced the time required to program custom products substantially by using the feature-recognition capabilities of Delcam's FeatureCAM feature-based CAM system to largely automate the programming process. In the past, programming parts for custom products took about two days each because programmers had to define and create toolpaths individually for each feature.

"When our engineers modify a part design, FeatureCAM recognises any changes to the geometry automatically and updates the existing toolpaths," said Darrell Freeman, CNC Coordinator for Blue-White Industries. "This reduces the time required for programming for a new design to an average of fifteen minutes. Even programming packages that are much more expensive cannot do what FeatureCAM can do."

Founded in 1957, Blue-White Industries is a leading manufacturer of metering pumps, flow-meters and water treatment accessories. One of the keys to the company's success is building custom-designed products to fit customers' specific needs on a fast-turnaround basis.

Blue-White Industries produces its pumps in its Huntington Beach, California, manufacturing facility using Mori-Seiki turning centres, and Mori-Seiki, Mazak and Fadal machining centres. The company's experienced engineers use SolidWorks CAD software to modify the existing product designs quickly to meet customers' special requirements.

"By the time the custom product is designed, it is typically already very close to the time it needs to be delivered to the customer," said Mr. Freeman. "The CNC software we used in the past caused major delays because it would not recognise the geometry or features of our SolidWorks models."

Another problem Mr. Freeman found with the company's previous programming software was limited technical support. "We sometimes needed to have a custom post-processor written to meet our specific requirements," he remembered. "We found that our previous CNC programming software supplier was

# CIMdata PLM Industry Summary

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unable to deliver new posts on a timely basis.”

Mr. Freeman reviewed more than ten programming packages before selecting FeatureCAM.

"FeatureCAM was very easy to learn," he said. "The program is so intuitive that I received the software on day one and produced our first CNC code on day two. We stopped using our previous software package and began using FeatureCAM for all of our work on the same day.”

"FeatureCAM has substantially streamlined our programming process," Mr. Freeman added. "When we modify the geometry of a part that has already been programmed, we simply import the new geometry into FeatureCAM and associate it with the existing part program. The software recognises the features and geometry of the new model automatically and associates them with the existing toolpaths. In most cases, there is no need to change the strategies so we simply check the modified toolpaths to make sure they are correct and run the post to generate the new program. The entire process takes only about fifteen minutes.”

FeatureCAM also provides the ability to evaluate features in new designs and recommend toolpaths automatically. "Nine times out of ten the toolpaths recommended by the software are correct, plus it is easy to edit the remainder to get exactly what we want," Mr. Freeman said.

"The technical support provided by FeatureCAM is far superior to our previous supplier," Mr. Freeman added. "For example, if I need a post that provides a special feature, I can send the details to Delcam in the morning and have my new post back in the afternoon.”

 [Click here to return to Contents](#)

## ***Fashion Avenue Sweater Knits Implements NGC's Fashion PLM and Supply Chain Management Solution***

6 August 2013

NGC Software today announced that Fashion Avenue Sweater Knits, a leading importer of quality children's and women's apparel, has gone live on [NGC's fashion PLM](#) and Supply Chain Management (SCM) solution. Fashion Avenue Sweater Knits is a privately held New York-based company that supplies apparel to such leading retailers as Wal-Mart, Kohl's, Macy's, Belks and Dress Barn.

Prior to NGC's software, Fashion Avenue Sweater Knits relied on manual and repetitive processes that made workload control and collaboration a consistent struggle. "Processes were unique to individuals rather than departments or the organization," said Austin Mallis, vice president of operations at Fashion Avenue Sweater Knits. "Workloads could not be managed, and we had no tools to understand where we stood on specific styles or orders."

"We needed a solution that allowed us to get the product developed and produced in the most timely and

# CIMdata PLM Industry Summary

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effective way. NGC has tremendous experience in the fashion industry and offers a broad range of tools for success, allowing us to stay ahead of the curve.”

Fashion Avenue Sweater Knits is realizing a number of key benefits, including:

***Streamlined workflow and improved collaboration.*** NGC’s software presents a single, collaborative platform that helps Fashion Avenue Sweater Knits standardize all PLM and SCM processes. As an example, Mallis said, “Collaboration brought our Shanghai office and design team closer together, empowering them and allowing everyone to work and share information without a glitch.”

Data can be shared seamlessly throughout the organization using NGC's exception management and global collaboration features, improving communication flow and productivity. NGC's solution has already reduced the volume of email and daily information requests by 40 percent—providing a dramatic improvement in overall efficiency.

***Improved task management.*** NGC’s workflow calendars and exception management tools ensure accountability throughout the design/production process at Fashion Avenue Sweater Knits. “Users can easily stay on top of current, future and past due responsibilities,” Mallis said. “These are revolutionary tools at Fashion Avenue Sweater Knits. Prior to NGC, there was no way to manage individual tasks by factory, user or retailer. Now we can quickly manage information and focus on specific tasks.”

***Increased speed to market.*** NGC's software is playing a central role in helping Fashion Avenue Sweater Knits continually reduce product development time and achieve faster speed to market. "PLM and [Supply Chain Management](#) are most effective when integrated in an end-to-end process. For us to be successful we needed software that took us from start to finish in the product lifecycle, and NGC allows us to do that," Mallis said.

“NGC’s solutions are opening up conversations about the best way to check processes and make improvements,” Mallis concluded. “This lets us focus on our core apparel business and directs us to the most efficient development processes attainable by our team.”

"Fashion Avenue Sweater knits has embraced new opportunities to streamline its operations with NGC's software, and Austin and his team have demonstrated tremendous leadership," said Mark Burstein, president of sales, marketing and R&D at NGC. "We're looking forward to continuing our strong working relationship with Fashion Avenue Sweater Knits."

 [Click here to return to Contents](#)

***Lectra helps ManiForm Achieve a Highly Efficient Manufacturing Flow***

6 August 2013

## CIMdata PLM Industry Summary

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Lectra is pleased to announce that ManiForm—one of China’s leading companies in the female lingerie industry, has chosen Lectra’s Vector® to maximize its profits, while guaranteeing quality. ManiForm is a comprehensive lingerie company, integrating design, development, manufacturing and marketing. The company has ranked as the no. 1 in market share in China for 10 consecutive years.

It is a well-known fact that the Chinese lingerie industry has evolved rapidly over the last decade. Following the improvement of the industrial chain, a large number of new brands have been created across large areas of East China. Faced with such fierce competition, ManiForm realized that if it wanted to maintain its competitive edge and ensure profitability, it had to control and optimize its production flows further. Thus, while starting to put a series of internal actions in place, it decided to adopt an automatic cutting system to help it achieve its objective.

After observing the market for two years, ManiForm had a clear picture of all the best-known brands’ cutting systems available on the Chinese market. After a series of investigations and benchmark tests, Lectra’s Vector became the only product that could meet ManiForm’s production standards.

“Lectra’s cutting room solution met all the criteria we set for testing,” said Liu Huiqing, executive director of Maniform. “The prerequisites related to the reputation of the solution provider, the performance of the solution and the cutting quality. We were all really surprised and astonished at the cutting quality that Lectra’s cutting solution achieved with Super Spandex fabric and a special pattern we designed specially for this test, and with minimum buffer between pieces. We have never seen so many layers cut so efficiently.”

The results have proven that ManiForm made the right decision. Vector has overcome strict production challenges while running. “In only 10 months since being put into production, Vector has achieved a cutting record of more than 1,000 hours. The quality of the cut pieces worked by Vector has been unrivalled. The cutting efficiency has reached 88%, much higher than the average industry level of 50-60%,” added Liu Huiqing. “In addition, Lectra’s predictive maintenance has matched our actual production very well; as a result we have the ability to ensure smooth production by preventing potential failures, thus avoiding the complications that may result.”

“We are very pleased to have established a close partnership with ManiForm. The super-high 88% cutting efficiency comes from the great performance advantages of Vector, as well as ManiForm’s efficient manufacturing flow,” said Andreas A. Kim, managing director of Lectra Greater China. “Our customers are facing a series of daily challenges nowadays: how to strengthen the value proposition, how to meet even stricter deadlines, how to deliver constant, irrefutable quality at best mastered costs, and how to get along with an ultra-flexible production process. Lectra is focused on solving all these problems for our customers and in the process realizing our own value. We believe our partnership with ManiForm will greatly benefit both parties.”

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## *Sleepwear Leader Taps Visual PLM.net® to Advance Customer Focus*

6 August 2013

Visual 2000 International Inc. (<http://www.visual-2000.com>) announces that leading sleepwear brand owner and licensee The Kersheh Group has begun implementation of its Visual PLM.net® enterprise solution at its Montreal headquarters. The owner of Jelli Fish Kids, Vayola, and other popular sleepwear and loungewear brands will add the Product Lifecycle Management (PLM) module to Visual 2000 Enterprise Resource Planning (ERP) and Electronic Data Interchange (EDI) solutions already in service to speed products to market, enhance creativity and quality, and improve overall customer service.

According to Stanley Marcovici, VP Sourcing and Production for The Kersheh Group, “We are pleased to partner with Visual-2000 to implement its VisualPLM.net software. This web-based, out-of-the-box software solution will improve all internal teams and partnerships collaboration throughout the design, product development and sourcing processes. This will allow the company to become even more customer focused as it continues on its vision to become the sleepwear supplier of choice throughout North America.”

As a key component of the Visual End-2-End™ Solution, the Visual PLM.net software is natively integrated with the Visual ERP.net and Visual EDI.net solutions to give The Kersheh Group expanded visibility and control of their complete global supply chain and concept-to-consumer business processes. Implementation of the PLM solution is now underway and is expected to be completed in just weeks.

“We welcome the opportunity to expand our work with The Kersheh Group,” noted Alain Perez, Visual 2000 New Business Development Manager for Canada. “With centrally organized and easy to access product images and information, they will empower their teams and suppliers with the tools and insight they need to make faster, better informed product and process decisions. This frees up time for more value-added and customer-focused activities.”

 [Click here to return to Contents](#)

## Product News

### *Altium Takes Native 3D PCB to a New Level of ECAD and MCAD Integration*

8 August 2013

[Altium Limited](#), a leader in Smart System Design Automation and provider of advanced 3D PCB design solutions ([Altium Designer](#)) and embedded software development ([TASKING](#)), has partnered with Desktop EDA to provide designers with advanced ECAD and MCAD integration. The new add-on application, Desktop EDA Solidworks Modeler and the IDF Modelers, is currently available for Altium Designer.

# CIMdata PLM Industry Summary

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"By partnering with Desktop EDA, we're extending Altium's market-leading position as a native 3D PCB design system provider," said Daniel Fernsebner, Director of Technical Partnerships for Altium. "Desktop EDA apps for Altium Designer focus on bringing greater productivity to mechanical designers working with PCB designs."

The extension apps for Altium Designer and their companion plug-ins form a bridge between the ECAD and MCAD design worlds. Productivity is greatly increased through the full synchronization capabilities between the target applications. This goes much further than simply eliminating the requirement to recreate MCAD assemblies each time, allowing the modeling of Altium Designer-specific features in the target MCAD system.

## SolidWorks Modeler for Altium Designer

By transferring data directly between Altium Designer and SolidWorks programs running on the same PC, designers need not use intermediate files to synchronize design changes and facilitate engineering change orders (ECO). This approach eliminates translation issues, saves time and provides a more detailed model of the PCB design in SolidWorks.

By including PCB copper layers in the transfer, the design in SolidWorks can then be used as a starting point for more advanced mechanical CAD operations, such as thermal simulation.

## IDF Modeler for Altium Designer

Desktop EDA's advanced IDF modeler app for Altium Designer allows users of the native 3D PCB design system to export and import a rich, complete model of the 3D PCB in the industry standard IDF file format. Coupled with a companion Desktop EDA plug-in for the target MCAD design tool, teams save time by having a both full synchronization features as well as PCB copper design elements.

Companion Plug-ins are also available for Dassault SolidWorks, Autodesk Inventor, and Siemens Solid Edge.

 [Click here to return to Contents](#)

## ***Aras Announces Latest Open Release of Advanced Enterprise PLM Platform***

5 August 2013

Aras® today announced download availability of the latest release of the Aras Innovator® PLM platform and solution suite. The new release features a series of CAD-focused enhancements enabling Aras to deliver best in class multi-CAD management performance. Additional highlights include enablement of the TRUaras secure cloud-based file exchange, support for Microsoft SQL Server 2012, Windows Server 2012, Windows 8 and IE 10, and numerous other scalability, performance and usability improvements.

# CIMdata PLM Industry Summary

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Aras Innovator download available at: <http://www.aras.com/downloads>

“With improved API capabilities and a unified CAD data model across mechanical and electronics, Aras is delivering a new level of multi-CAD management performance in this release,” said Peter Schroer, President of Aras. “We believe global enterprises with complex geographically distributed design environments need greater scalability and much faster performance than they’ve been able to get from the other major PLM systems, and that’s why it’s been a key area of focus at Aras for this release.”

## Release Highlights

The latest open release of Aras Innovator introduces even greater scalability, performance and usability including:

### Best In Class Multi-CAD Performance

10X increase in speed, 10X reduction in memory and 6X smaller AML/XML package size make Aras Innovator the fastest PLM platform for Multi-CAD Check-in / Check-out. New Check-in / Check-out Manager capabilities streamline and automate the check in / out process for entire CAD assembly structures. With a rapid status check for an entire CAD structure, a single compressed Metadata commit and high-performance parallel, asynchronous file check-ins for each level of the CAD structure, Aras users realize greater reliability and faster performance.

### Cloud-based Secure File Exchange

Managed file transfer (MFT) capabilities called TRUaras from Trubiquity, a leading global provider of secure cloud-based MFT services, are embedded in the Aras Innovator PLM platform. With TRUaras users can securely share and exchange large CAD assemblies, technical data packages, manufacturing data, inspection and test results and other intellectual property with full tracking and traceability. Included in every Aras download, TRUaras is a free service for companies that run Aras which provides unlimited transactions with no file size limitation.

Read More about TRUaras Secure File Exchange with Trubiquity <http://aras.com/plm/002032>

### Expanded Microsoft Platform Support

Designed to take full advantage of the latest Microsoft platform products for the scalability and high availability required by global enterprises, Aras Innovator is enabled on Microsoft SQL Server 2012, Windows Server 2012, Windows 8 and Internet Explorer 10.

### Additional Highlights:

- Silent Installer for Virtual Machines, Server Farms and Cloud Environments
- Check-in / Check-out Manager automated conflict detection
- Feature Activation for Easy Evaluation and Enablement of New Applications
- Multi-language Installer Capabilities

# CIMdata PLM Industry Summary

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- New User Personalization and Configuration Capabilities
- Drag & Drop files from Browser to Windows Folders
- Expanded Multi-Level Table of Contents Navigation
- Improved One-Click Excel & Word Data Export
- Affected Items Impact Matrix Improvements
- New Visual Indicators in the Grid Display
- Ability to Execute Multiple onSearchDialog Events
- OnBefore / OnAfter Passthrough Capabilities
- API XML / AML Compression

**Additional details, demo videos, screenshots and more at <http://www.aras.com/latest-release>**

Companies with an Aras subscription package receive free upgrades to the latest release regardless of the amount of customization in the current deployment. For details visit <http://www.aras.com/subscriptions>

 [Click here to return to Contents](#)

## ***Atego and PTC Collaborate to Realize the Value of System Modeling & Model-based Systems Engineering***

5 August 2013

Atego™ announced the availability of a PTC solution that integrates the comprehensive systems and software lifecycle management capabilities of PTC Integrity™ software with the Atego Artisan Studio® systems and software modeling environment. This integration delivers end-to-end engineering lifecycle management with full control and traceability over Requirements, Models, Source Code, and Tests.

Modern product innovation drives product development complexity as more products are built as smart, software-intensive systems. Leading product organizations now use model centric processes as the best way to manage the inherent complexity while improving efficiency and quality. The high-fidelity integration of PTC Integrity and Artisan Studio, which was created and tested with a Tier 1 global leader in Aerospace, breaks new ground by providing a rigorous and centralized change process-driven approach needed for complex product development, especially valuable for safety critical systems. By connecting models with other lifecycle artifacts and processes, requirements can more effectively guide design models and engineering change can be orchestrated with precision and speed.

“We are very pleased to announce this PTC integration between Atego’s Artisan Studio and PTC Integrity, which responds directly to the needs of our joint customers,” said Richard Horsman, Executive Chairman of Atego. “We are experiencing significant and growing market demand for Atego’s Artisan Studio as a model-based systems engineering driver forALM and as the core of the

# CIMdata PLM Industry Summary

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Atego solution. This PTC integration formally endorses Artisan Studio as a keystone in today's systems engineering and software application lifecycle tool chains."

"Engineers today must accelerate the pace of innovation and quickly incorporate changes to reduce overall development time and costs. Compliance with standards like ISO26262, DO-178B, and IEC61508 demands process control and automation capabilities with end-to-end coverage of engineering change. Achieving these goals requires the ability to work in an integrated environment where every asset in the lifecycle is connected and controlled," notes Jake Simpson, General Manager of PTC's ALM Business Segment. "The integration of PTC Integrity and Atego Artisan Studio enables engineers to focus on their design goals by offering superior control with far less effort."

"Model-based approaches to complex systems engineering and software development projects are rapidly becoming the norm for leading product development organizations. The adoption of the Object Management Group's (OMG) two leading modeling notations for systems and software (SysML and UML) has now outpaced traditional techniques. Model-based Systems Engineering (MBSE) has become the driving force for today's product lifecycles and Application Modeling is key to the majority of software intensive system development projects," said Hedley Apperly, VP Product & Marketing with Atego. "The industry proven integration of PTC Integrity and Atego Artisan Studio not only stores versioned models in the same central repository as all other application lifecycle artifacts but also involves models in the textual requirement engineering and change management processes, enabling significant improvements in quality and productivity."

The PTC Integrity integration with Atego Artisan Studio is available from PTC. To learn more about the integration of PTC Integrity with Atego Artisan Studio, please visit the modeling and simulation section of the PTC website:<http://www.mks.com/solutions/discipline/modeling-simulation>

 [Click here to return to Contents](#)

## ***Autodesk Introduces Breakthrough Technology for Infrastructure***

7 August 2013

As part of an ongoing effort to drive the adoption of [Building Information Modeling](#) (BIM) within the infrastructure industry, [Autodesk, Inc.](#) announced [Autodesk InfraWorks 360 Pro](#). Autodesk InfraWorks 360 Pro offers the latest 3D modeling, visualization and cloud-based collaboration technologies to help efficiently close the estimated \$30 trillion gap worldwide between desperately needed infrastructure and the funding required to deliver it.

To expand access to the critical BIM solutions that design professionals need to address this challenge, the new solution is available via a quarterly plan, making it ideal for firms to test-drive Autodesk InfraWorks 360 Pro, or use it for short-term project needs.

Autodesk InfraWorks 360 Pro enhances BIM workflows by providing desktop software and cloud-based

# CIMdata PLM Industry Summary

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capabilities that enable multi-discipline infrastructure project stakeholders in geographically dispersed offices to publish, store, collaborate and manage large models centrally in the cloud via desktop or mobile devices. The ability to rapidly produce proposals by creating and aggregating project information, which can then be viewed within the InfraWorks environment as it might appear in the real world, helps make Autodesk InfraWorks 360 Pro a powerful tool for winning new business and accelerating the project approval process.

“The must-have technologies we’ve combined to create Autodesk InfraWorks 360 Pro are fundamentally transforming the way projects are completed by accelerating the ability to quickly design, collaborate and visually communicate design intent via 3D models created at the beginning of an infrastructure project’s lifecycle,” said Amar Hanspal, senior vice president, IPG Product Group, Autodesk. “With Autodesk InfraWorks 360 Pro, we can now bring the power of Autodesk InfraWorks to users who may have been concerned about committing to a long-term purchase or subscription.”

“As more civil engineers embrace 3D modeling techniques and adopt BIM workflows, the use of design-time visualization to improve infrastructure project outcomes is growing,” said Jeff Lyons, business unit leader of the AEC Solutions Group at [Cole Engineering](#). “For example, we recently won a major water distribution project thanks to the ability to quickly create and share compelling 3D visualizations using Autodesk InfraWorks cloud-enhanced technologies.”

Autodesk InfraWorks 360 Pro contains breakthrough 3D modeling and visualization technology that goes beyond traditional computer-aided design (CAD) by helping users quickly create compelling simulations and visualizations of design alternatives. With its ability to import a variety of existing conditions data including GIS, satellite imagery, and point clouds (including those generated by [Autodesk ReCap](#)), Autodesk InfraWorks 360 Pro helps make it possible to design within the context of real site conditions from the start of a project lifecycle.

Users of Autodesk InfraWorks 360 Pro will benefit from newly released capabilities for the desktop software that include enhanced terrain grading and shaping to help users easily create and maintain level sites, as well as near-photorealistic rendering that allows users to apply high quality graphics or choose faster rendering to more quickly navigate large models.

## **Cloud for Collaboration and Computational Intensive Jobs**

Autodesk InfraWorks 360 Pro leverages the power of the cloud to transform the way infrastructure professionals manage big data, create 3D models and collaborate on infrastructure projects. Autodesk InfraWorks 360 Pro’s cloud-based technology provides nearly anywhere, anytime access via desktop or mobile devices for stakeholders to view and/or collaborate on project models. To help users quickly and easily access and download the data they need to build site-specific models, a link for direct access to a curated [WeoGeo.com](#) portal comes with Autodesk InfraWorks 360 Pro enabling customers to access and acquire free or for-purchase geospatial data. In addition, computationally intensive processes, such as analysis, simulation and rendering of high resolution models, can be performed using the virtually unlimited power of the cloud.

## Pricing and Availability

Autodesk InfraWorks 360 Pro will be available in this month for purchase on a quarterly basis, which includes 150 cloud credits (units of measurement to perform tasks such as rendering or a simulation in [Autodesk 360](#)). To accommodate long or short project needs, users have the flexibility to renew at the end of each quarter. Autodesk InfraWorks 360 Pro will be available in English and other languages, and is available worldwide in countries where electronic license downloads of Autodesk products are permitted. See details and purchasing options at <http://www.autodesk.com/infracore>.

 [Click here to return to Contents](#)

## ***AVEVA Explains how 3D Laser Scanning can help Shipyards Survive the Downturn***

8 August 2013

AVEVA today announced its publication of a new business paper – ‘*On the Beam: How 3D laser scanning technology brings new opportunities in ship refitting and conversion*’. In this paper, AVEVA examines how rapid, accurate and non-intrusive 3D laser surveying can increase shipyard capabilities to meet the coming surge in demand for ship conversion and refit projects. It describes how AVEVA’s laser scanning software has the potential to help both the commercial and naval sectors to find new business opportunities in a difficult economic climate.

'In a depressed, buyers’ market, ship owners are driving hard bargains and shipyard profitability is being squeezed', said Gary Farrow, VP, 3D Data Capture Business Management, AVEVA. 'Traditional manual surveying is costly, time-consuming and of limited accuracy. Dramatic increases in efficiency have been enabled through greater automation, rapid visualisation and processing of laser data making the conversion of laser scans into 3D quicker and cheaper than ever before. Shipyards will see increasing opportunities in refit and conversion projects, but only if they can offer rapid turn-round, competitive prices and more added value. Using inexpensive 3D laser surveying, the ‘as-operating’ vessel can now be captured quickly and accurately directly into the 3D design environment. It shortens the time out of service and can also be used as part of a vessel lifecycle management strategy.'

Early availability of detailed and accurate 3D surveys from laser scan data enables shipyards to be ahead of the game, planning the project, designing the refit and procuring materials ready to begin work as soon as the vessel reaches the repair dock.

Mr Farrow added, 'Equipped with the 3D scans, refits and conversions will be more efficient benefiting not only the ship owner but also the shipyard. This is a true enabling technology that can help shipyards to survive the downturn, enhance their business value and position them to take full advantage of a market recovery'.

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## ***CADLearning eBook for AutoCAD 2014 Essentials Now Available on iTunes***

7 August 2013

4D Technologies, Autodesk authorized publisher and maker of the CADLearning products for Autodesk software, has released an enhanced eBook title “Learning AutoCAD 2014 Essentials – Revealed!” The eBook is available for [download from iTunes](#) and as a part of the CADLearning eBook Library subscription.

The eBook is designed to be the basis of both self-paced and instructor-led training, and to show you how to use the essential features of AutoCAD® 2014. Featuring 12 chapters with more than 120 lessons the title covers all of the essential skills that you’ll need for 2D drawing and editing.

Topics covered in the “Learning AutoCAD 2014 Essentials – Revealed!” eBook include: understanding how tools are organized; creating simple 2D objects such as lines, arcs, and circles; controlling drafting settings; managing layers; controlling object properties; working with complex objects such as polylines; creating annotation objects including text and hatch patterns; modifying objects; dimensioning your drawings; plotting your drawings. View a sample of the book at <http://www.cadlearning.com/products/ebooks>.

“Each lesson includes a complete tutorial,” says David Cohn, Technical Publishing Manager and AutoCAD Subject Matter Expert at 4D Technologies. “You can read up on a topic, clarify further by watching a tutorial by an expert presenter and take a quiz to test your knowledge. You can also try a task or process with an interactive simulation that walks you through the process step-by-step and use exercise files in your own software to make the most of your learning experience.”

Visit <http://www.cadlearning.com/products/ebooks> to learn more about enhanced eBooks by CADLearning and to view a list of available eBook titles.

 [Click here to return to Contents](#)

## ***CADLearning Adds AutoCAD Architecture 2014 Course to Extensive AEC Course Catalog***

8 August 2013

4D Technologies, Autodesk authorized publisher and maker of the CADLearning products for Autodesk software, released [CADLearning for AutoCAD® Architecture 2014](#).

The self-paced training offers over 19 hours of searchable video tutorials. Taught by Reid Addis, the 325 lesson course covers basic and advanced topics to help users gain a better understanding of the tools and components of AutoCAD Architecture. Topics include getting started in the software, building geometry, layer tools, detailing and much more.

# CIMdata PLM Industry Summary

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“CADLearning for AutoCAD Architecture teaches beginner, intermediate and advanced users the architectural specific features and functions of the software,” said Addis. “This course will help users in getting started in the software, building geometry, layer tools, detailing and much more.” Addis is a BIM Specialist at Microsol Resources Corporation, and has over 25 years of experience in the AEC industry as a trainer and consultant, CAD manager, designer and architectural engineer.

CADLearning lessons are developed and instructed by industry respected subject matter experts to deliver the most comprehensive, consistently high-quality Autodesk software courses available. Subscribe online for [instant access to CADLearning courses](#) with uniquely searchable video tutorials, complete exercise files, and learning assessments to track progress.

Visit <http://www.cadlearning.com/autocad-architecture-tutorials> to watch sample video tutorials, view course details, and to learn more about subscription options for individuals, Education, Enterprise and Government.

 [Click here to return to Contents](#)

## ***Cimatron and Moldex3D to Introduce Innovative Cooling Simulation***

7 August 2013

[Cimatron Limited](#) and CoreTech System Co., Ltd. (Moldex3D) together announced today an agreement to deliver an integrated cooling simulation tool within CimatronE to address the growing design needs for more efficient cooling systems in the plastics industry.

It is well-known the conventional cooling design with drilled straight channels cannot cool down complex plastic parts evenly and efficiently, often resulting in poor part quality and extended cycle time problems. With the introduction of laser sintering technology, mold cores and inserts manufactured by 3D printing can keep the cooling channels close to the core/cavity surface as much as possible so as to achieve even and efficient cooling. The new integration will provide CimatronE users a convenient and powerful tool to evaluate the benefits and return-on-investment (ROI) of conformal cooling approach.

The cooling analysis capabilities will be delivered as an optional add-on in the next release of Moldex3D eXplorer for Cimatron. It will extend the power of Cimatron users from performing mold filling analysis to optimizing cooling channel layout. Designers can design in Cimatron environment mold cores and inserts with conventional channels, baffles and bubbles, and/or incorporate complex conformal cooling channels to enhance cooling in critical regions. With Moldex3D proprietary auto-mesh technology, complex cooling channel mesh models can be automatically constructed for analysis. Based on the 3D cooling analysis results from Moldex3D, users can accurately identify hot or cold spots, mold temperature, required cooling time, and cooling efficiency of a mold before cutting or "printing" the steel, and promptly revise the design in CimatronE to improve the cooling performance.

## CIMdata PLM Industry Summary

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"The new cooling analysis integration with Moldex3D will help our customers to design higher quality molds with improved cooling and shorter cycle times using advanced 3D printing (Additive Manufacturing) technologies as well as traditional milling and drilling technologies." said Ira Bareket, Vice President of Sales and Marketing at Cimatron. "The ability to support analysis of conformal cooling will place our customers at the forefront of mold production technology."

"It is our pleasure to extend the integration with Cimatron." stated Venny Yang, President of CoreTech System (Moldex3D). "Moldex3D is dedicated to develop with the idea and insistence upon molding innovation to deliver users easy-to-use yet most accurate molding solutions. We are glad to provide Cimatron the full support on cooling design and advanced conformal cooling analysis capability to leverage 3D printing technology."

The new capabilities will be available to end users with the next CimatronE release.

 [Click here to return to Contents](#)

### ***Design Data Announces Release of SDS/2 Connect 2014***

7 August 2013

Design Data, a provider of 3D detailing and Building Information Modeling (BIM) software, announced the availability of SDS/2 Connect 2014, an add-in for Autodesk® Revit® Structure 2014 software that automatically designs connections within the Revit environment. The combination of Revit Structure with SDS/2 Connect helps make it possible for structural engineers and fabricators to design, conduct code check analysis, and extend steelwork designs to fabrication within a BIM workflow.

"What engineers are considering a deliverable is rapidly changing with the evolving BIM workflows," said Doug Evans, Design Data's vice president of sales. "That is why we are excited to keep pace with a BIM platform as widely adopted as Revit in our release of SDS/2 Connect 2014."

By bridging the gap between design and fabrication, SDS/2 Connect helps deliver constructible "as built" connections within Revit Structure, while shortening design time and reducing project timelines and costs. Revit Structure users who have installed SDS/2 Connect can automatically design steelwork connections and print out all corresponding design calculations at the push of a button. These connections are designed based off an extensive setup that has been developed in the SDS/2 Detailing product over the past 30 years.

"The ability to automatically design code-compliant connections and create reports inside the Revit environment is very powerful. The added benefit of being able to push design models to manufacturing is continuing to gain momentum. We do believe the future is exciting," said Evans.

 [Click here to return to Contents](#)

## ***Dynamic Block in ZWCAD+ 2014 Beta: More Flexible to Make Changes***

8 August 2013

[ZWCAD Design](#), a supplier of CAD solutions for the MCAD and AEC industries, has developed [Dynamic Block](#) in [ZWCAD+ 2014 Beta](#) for more efficient block operations. Block designs have been made more flexible by allowing designers to freely view, insert, edit and save Dynamic Block. With this dynamic workflow that enables easy reuse and fast modification, [ZWCAD+](#) is offering one more choice for CAD users to optimize their design efficiency and productivity.

### **Saving Your Time by Reducing Rework**

The Dynamic Block in ZWCAD+ 2014 Beta is extremely efficient especially for repeated elements that are similar but not identical within the design. By dragging the custom grip or by specifying a different setting in properties palette, designers are allowed to reuse any Dynamic Blocks without recreating them, which may be tedious and very time-consuming, so they can focus more on concept development and design itself.

“Dynamic Block is an amazing feature offering designers greater ease to complex design,” said Daniel Huang, Product Manager of ZWCAD+. “ZWCAD+ users can also enjoy this feature now. In fact, Dynamic Block has been applied across many industries such as interior design and mechanical, helping designers to simplify design process and ultimately increase productivity.”

### **Interior Design: More Adaptive to Changing Designs**

Interior design contains a large number of similar elements such as windows and doors with different sizes, widths and directions. It will be time-consuming if designers create different blocks to align with other geometries within the drawing. Using Dynamic Block, designers only need to adjust the block reference in-place if necessary, without searching for another block to insert or redefining the existing one. They can even create a block library in the design palette to enable reuse anytime, making the entire block operation more dynamic.

### **Mechanical Design: More Responsive to Industry Tendency**

Multi-view drawing is widely used when designing a mechanical component. To have faster switch from one view to another, most designers would like to save different views of one component into a Dynamic Block. Now in ZWCAD+ 2014 Beta, they can manipulate the block properties and choose which view they want to display. Annotation has also been made more convenient for the texts and symbols are adjustable in a Dynamic Block, therefore decreasing work time in editing different annotation and thus increasing productivity.

ZWCAD+ 2014 Beta is now available with more than 10 ground-breaking new features, you can [click here](#) to download the latest version, or visit their [Facebook](#) for more information about other ZWSOFT products.

 [Click here to return to Contents](#)

## ***Improved IFC/ArchiCAD Connection Add-In for Revit 2014 Applications***

5 August 2013

GRAPHISOFT has introduced its new plug-in developed for Revit 2014, offering improved IFC import and export functions of all Revit applications, including Revit Structure, Revit MEP and Revit Architecture.

The [GRAPHISOFT ArchiCAD Connection](#) is a free Add-In for Autodesk Revit software and improves the IFC model-based and bi-directional data exchange between GRAPHISOFT ArchiCAD and Autodesk Revit applications.

The GRAPHISOFT ArchiCAD Connection Add-In has two functions:

- “Improved IFC Import” imports IFC models to Revit using extra features that improve the interpretation of architectural models, and
- “Export to ArchiCAD” exports Revit model elements in IFC files that are specially enhanced for use in GRAPHISOFT ArchiCAD.

For detailed information, please see the [manual](#).

 [Click here to return to Contents](#)

## ***Latest CAD Release for Collaborative Engineering Design: MEDUSA4 version 5.2***

8 August 2013

CAD Schroer has just released version 5.2 of the MEDUSA4 2D/3D CAD suite and its 3D plant design system. The release features a new Windchill® PDMLink™ Workgroup Manager for MEDUSA4, new dynamic design tools and enhanced data exchange options.

“This version is all about easy data exchange, even faster design editing, and productive engineering data management,” says Product Line Manager Mark Simpson. “The new developments are designed to make it easier to work together with other people and other systems, while always benefitting from MEDUSA4’s legendary flexibility and fast and intelligent design editing functionality.”

# CIMdata PLM Industry Summary

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## **Windchill® PDMLink™ Workgroup Manager for MEDUSA4**

This version introduces the new Windchill® Workgroup Manager for MEDUSA4, developed in partnership with PTC® to ensure continued integration with future releases of Windchill® PDMLink™ in a homogeneous data management environment.

## **New License Borrowing for MEDUSA4 ADVANCED**

A free treat for maintenance customers with the MEDUSA4 ADVANCED package is a new feature which allows designers to check out software licenses for use off-network – at home or at customer sites.

## **2D Drafting and P&ID Enhancements**

2D users will see a series of productivity enhancements in the Smart Drafting and Dimensioning tools. The latest P&ID module offers a new configuration tool for administering symbol libraries and attributes, as well as element selection enhancements.

The MEDRaster module for integrating and editing images in CAD sheets now benefits from the latest raster editing technology supported by ImageMagick.

## **3D DWG and AutoCAD® Support**

New flexible 3D data exchange and colour mapping options include bi-directional 3D DWG conversion. The CADConvert interface now supports the AutoCAD® file format from AutoCAD R 12 through AutoCAD 2013.

## **Dynamic Piping, Duct and Conveyor Design**

MPDS4 Plant Design offers new functionality for fast and intuitive routing of pipes, ducts and conveyors, dynamic design editing, and intuitively moving components in assemblies, as well as new parametric equipment design and loading functionality. New tools and options for creating uneven floors with the Factory Layout module are also provided.

There have also been a series of updates to CAD Schroer's PDM, PLM and database interfaces. "A huge thank you goes to all those customers who contribute to our development process with their feedback and suggestions, as well as to our hard working development team!" Mark concludes.

 [Click here to return to Contents](#)

## ***Newly-launched ZW3D 2013 SP Beta Features Easier Design Communication***

5 August 2013

[ZWSOFT](#) today announced [ZW3D 2013 SP Beta](#) was available in both 32-bit and 64-bit versions. The main enhancement in this service pack is the new ability to better process large files using 64-bit support. Coupled with the upgraded translator, ZW3D 2013 SP has been made more competent in fast

and high-quality design communication.

## **Improving Data Compatibility and Operation Fluency with 64-bit Support**

It is the first time that [ZW3D](#) has launched its 64-bit version simultaneously with the 32-bit version. Designers can choose the best solution according to their operating system. With the ability to open larger files from CATIA, Solidworks, Inventor, Siemens NX and more, ZW3D 2013 SP enhances the design communication with most 3D software. As the need for 64-bit processing becomes obvious, this launch will help ZW3D expand its usage to more complicated CAD/CAM design.

Plus, the 64-bit version brings the performance of operating system into full play. It greatly increases the designing and modeling speed, for more computer resources can be allocated to ensure instant operation response.

“The launch of 64-bit version enables easier and higher-quality design communication while the overall performance has also been improved,” said Colin Lin, Vice Director of ZW3D Overseas Business. “With the better design communication capability, ZW3D 2013 SP has gained access to larger and more complicated design. “

## **Increasing Productivity with More Efficient Features**

[ZW3D 2013 SP Beta](#) allows users to increase communication efficiency and productivity with more than 200 customer-driven improvements including the updated translator, simplified import & export workflow and new CAD/CAM enhancements:

- Updated Translator---The TransMagic is now able to process higher versions of files from other mainstream 3D software such as CATIA V6;
- Loop Projection Logic--- The quality of imported data will be improved by reducing data-missing or misinterpretation with this new enhancement;
- More efficient 3D modeling---The updated Loft, Wrap and Rib features provide more options to meet specific design needs, making part design extremely simple and efficient;
- More flexible tool-path generation--- The new Nesting Operation and improved Minimum Tool-length have been added for higher accuracy and efficiency during manufacturing.

ZW3D 2013 SP Beta is now available in both 32-bit and 64-bit versions, allowing users to choose their best solution. Join now and enjoy the different 64-bit design experience with this new offer. For more information about this beta test, please [click here](#) or visit ZWSOFT [Facebook](#).

 [Click here to return to Contents](#)

## ***PROSTEP expands its Range of V6 xPDM Adapters***

5 August 2013

# CIMdata PLM Industry Summary

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PROSTEP has expanded its product portfolio to include two new V6 xPDM adapters – one for SAP and one for Teamcenter from Siemens PLM Software. Following development of the V6 xPDM Windchill adapter in the spring of 2013, this means that the exchange of data between CATIA V6 (VPM Central) from Dassault Systèmes and SAP or Teamcenter is now possible.

The products were created within the framework of a close development partnership with Dassault Systèmes. Because PROSTEP also works closely together with SAP and Siemens PLM Software, it was possible to seamlessly integrate the systems. This means that companies who use SAP or Teamcenter can also integrate the innovative V6 products from Dassault in their existing system environment.

The V6 xPDM Adapters use PROSTEP's proven OpenPDM technology and are currently being implemented in initial customer projects. One of the highlights of the products is the bidirectional synchronization of product structures between both systems. CAD and other files are transferred in addition to the metadata.

The V6 xPDM Adapters use standard interfaces as well as separate business logic and thus enable the integration of V6 and other systems. This system architecture substantially reduces the amount of time and effort involved in system upgrades. Typical application scenarios are preconfigured in the adapters, which means that it is possible to significantly shorten the introduction phase.

In order to offer its customers an even greater number of integration solutions, PROSTEP is already working at high speed on developing other products based on xPDM.

 [Click here to return to Contents](#)