

## Contents

<b>Acquisitions</b>	<b>2</b>
3D Systems to Acquire Phenix Systems	2
<b>Company News</b>	<b>3</b>
Advanced Solutions Sponsors the University of Louisville SAE Baja Team	3
Bentley Systems Announces Winners of the 2013 Scott Lofgren Student Design Awards, Names Bentley Educator of the Year	4
Care for the Next Generation: ZW3D Supports and Creates Opportunity for Education	6
ESI Opens New Offices on the Ter@tec Campus, a Site Dedicated to Simulation and High Performance Computing	8
GE Intelligent Platforms Joins the PTC PartnerAdvantage Program to Optimize Manufacturing Performance by Connecting MES and PLM	9
Gibbs and Associates Elevates Status in PTC PartnerAdvantage Program	10
Omnify Software Announces Winner of 2013 Customer Innovation Award	11
Tata Technologies CIO Selected to Present HR Technology Implementation Case Study at SAP HR2013 in Amsterdam	12
TCS and Canada's ICTC to Roll out Innovative Program for High School Students	13
U.S. CAD to Offer Autodesk's BIM 360 Field and Glue	14
<b>Events News</b>	<b>15</b>
3D Systems Brings Latest 3D Content-to-Print Solutions to RAPID	15
Aras Announces Aras Community Event ACE 2013 Korea	15
ArchiCAD 17 Debuts at AIA 2013 National Conference	16
AVEVA Exhibits at MIOGE 2013 in Moscow	17
AVEVA Presents New Solutions at Brazil Offshore	17
AVEVA Sponsors the Eleventh ARC Industry Forum India 2013	18
CimatronE 11 for Mold Design Enjoys Global Exposure	19
Delcam chooses New Orleans for 2013 ArtCAM User Group	20
<b>Financial News</b>	<b>21</b>
Gerber Scientific Reports 60 Percent Earnings Growth Driven by Product Innovation and Geographic Expansion	21
<b>Implementation Investments</b>	<b>23</b>
Cary Francis Group Implements CPSIA Compliance, PLM and Supply Chain Management Solutions from NGC Software	23
"CimatronE Implementation: Best Decision We've Ever Made"	24
Dassault Systèmes' 3DEXPERIENCE Selected by Pininfarina to Design New Concept Car	25
Delcam Electrode Saves Time and Money for Cavalier Tools	26
HOK Selects CTC as Autodesk Partner	28
Kistler Group Companies Rely on Dassault Systèmes' SolidWorks for All Product Design	28
Luggage Brand Delsey Adopts TXT's PLM Solution to Improve Global Planning and Offer	29
Multi-CAD and Multi-Site: SaarGummi Goes Online with CIM DATABASE	30
<b>Product News</b>	<b>31</b>
3D CAD Models of Bulgin Components Now Available Through TraceParts	31
Altair Broadens Relationship with Siemens PLM Software to Enhance Data Exchange for its CAE Software Users	32

# CIMdata PLM Industry Summary

---

CADENAS PARTsolutions Extends Relationship with PTC® and Delivers World's Largest Online Catalog of PTC® Creo® CAD Models	33
Cadsoft Corporation Releases Envisioneer 9	34
Dassault Systèmes Announces SolidWorks Education Edition 2013-2014	35
Dassault Systemes Launches "Target Zero Defect," a New Industry Solution Experience for Developing Vehicles Right the First Time	36
DTE Launches CATIA Skills Assessment Service	37
Electric Cloud Extends ElectricDeploy Integration for PTC Integrity™	38
EON Reality Now Supports Revit via EON Raptor	39
Five-GPU BOXX Workstation earns CATIA Certification	40
GENOA, MCQ-Composites to Join Altair Partner Alliance Composites Lineup	41
GibbsCAM 2013 Released	43
iBASEt Introduces Integration Package for PTC Creo and PTC Windchill with Solumina's Product Lifecycle Execution System	44
IMAGINiT Technologies Launches Civil 3D Health Check	44
Luxion and GrabCAD Partnership Introduces Integration Between Platforms	46
Luxion Unveils KeyShot 4.1 at PTC Live Global 2013	47
NetIDEAS Now Hosts PTC® Windchill® Quality Solutions	48
Nemetschek Scia Releases Scia Engineer 2013 - Reporting Engineering Competence	49
New PTC Retail PLM Solution Enables Customers to Achieve Quicker Time to Value	50
New Release of Moldex3D eDesignSYNC Unveils Enhanced CAD-CAE Platform for PTC Creo Users	51
PTC Creo to be Available in a Virtualized Environment	52
Rasterex Releases RxView & RxHighlight R14.1	53
Transoft Solutions Announces Worldwide Release of AutoTURN Rail 3D	54
Vectorworks 2013 Software Achieves Certification for IFC Coordination View 2.0	55
Visure Solutions Delivers Requirements Management for Complex and Regulated Systems, Certified by HP	56

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## Acquisitions

### *3D Systems to Acquire Phenix Systems*

12 June 2013

[3D Systems](#) announced that it has signed agreements to acquire approximately 80% of Phenix Systems, a global provider of Direct Metal Selective Laser Sintering 3D Printers based in Riom, France. Phenix Systems designs, manufactures and sells proprietary Direct Metal 3D Printers that can print chemically pure fully dense metal and ceramic parts from very fine powders with the granularity of 6 to 9 microns. Materials include stainless steel, tool steel, super alloys, non-ferrous alloys, precious metals and alumina for a variety of aerospace, automotive and patient specific medical device applications.

The combination of Phenix Systems unique Direct Metal technology with 3D Systems' extensive technology portfolio strengthens the company's offerings and immediately positions it at the heart of the fast-growing aerospace, automotive, defense and patient specific healthcare manufacturing opportunities. The transaction adds complementary printers and materials, strengthens the company's Selective Laser Sintering technology platform and is expected to be accretive to the company's non-

# CIMdata PLM Industry Summary

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GAAP earnings in the first full year following the completion of transaction.

“Phenix represents the perfect strategic fit for us and we are thrilled to welcome François Reymondet, Patrick Teulet and their entire team to 3D Systems once the deal has closed,” said Avi Reichental, President and CEO, 3D Systems. “Our complementary capabilities in advanced manufacturing combined with our effective R&D and extensive marketplace reach and coverage are sure to result in current and future direct metal solutions that will delight our customers.”

“We have watched and admired 3D Systems for many years as they have driven the adoption of 3D content-to-print solutions globally. We believe that now is the right time to combine our efforts to take advantage of the accelerating demand for direct metal production,” said François Reymondet, CEO of Phenix Systems.

This acquisition is subject to customary closing conditions, and is expected to close in July 2013. After those conditions are met and the acquisition closes, 3D Systems intends to launch a take-over bid on the remaining 20% of the shares of Phenix Systems, listed on the French stock market (Alternext), followed by a squeeze-out procedure should it reach 95% of the shares or voting rights of Phenix Systems, during the second half of 2013. The maximum price payable by 3D Systems for the 80% block is 13 euros per share.

 [Click here to return to Contents](#)

## Company News

### ***Advanced Solutions Sponsors the University of Louisville SAE Baja Team***

13 June 2013

Advanced Solutions, an [Autodesk Platinum Partner](#) and [Authorized Training Center](#) (ATC), announced that they will sponsor the 2013 University of Louisville North American Society of Automotive Engineers (SAE) Baja Team.

The University of Louisville SAE Baja team annually competes along side of 120 International Universities in the North American Society of Automotive Engineers (NASAE) Baja series. Teams are judged on design and vehicle performance by representatives from corporations such as, Honda, Briggs and Stratton, Toyota and many others.

Students from all education levels work in teams throughout the season to create, design and fabricate their vehicle. Each team member brings his or her own unique experience and background to the team, providing diversity, innovative thought and creativity. The 2013 season will be the first time the University of Louisville team will compete in all three North American competitions.

Team Captain Brad Cottrell stated, "The University of Louisville Baja SAE team is highly respected in

# CIMdata PLM Industry Summary

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the Baja SAE series, consistently ranking among the top fifteen teams worldwide. In 2012, Louisville SAE Baja completed its most successful season ever, placing 5th in Alabama and 9th in Oregon! Our success would be impossible without the generous support of sponsors like Advanced Solutions."

Advanced Solutions believes in educating the next generation of Engineers, Manufacturers and Designers with the most innovative technology and support possible. Brad also shared the team's new design goal for 2013, "Composite materials are being introduced into the design of the vehicle in order to reduce overall vehicle weight. In addition, several steel OEM components are being replaced by custom designed 7075-T6 aluminum parts to save weight while maintaining the strength of the steel counterparts. A new rear suspension configuration is being implemented to reduce weight and retain the customizability of the 2012 suspension. [Midnight Mayhem IV](#) was the test bed for a new transmission that will be used this year. It did not disappoint; accelerating faster than any other car on the track and outrunning them on the top end, as well!"

In support of the 2013 goal, they felt the sponsorship by Advanced Solutions would raise the level of design the students would experience, allowing them to compete in all three SAE competitions and make the team eligible for the Mike Schmidt Iron Team Award.

During a tour of the UofL Speed School SAE Baja campus garage, Team Captains, Brad Cottrell - Fabrication Lead, Alex Bays - Suspension Lead and Logistics, Brad Arlinghaus - Driveline lead, Matt Boian - Chassis Lead and Chief Engineer, shared their experiences, challenges and successes from being a part of this amazing academic design team. As the season progresses, the other team members, Nic Day, Justin Joiner, Isaac Phelps, Allen Seelhorst and Stanley Raspis, will prepare to take the lead in the coming season, as the graduating captains begin to pass the torch.

Advanced Solutions is honored to be a part of this incredible learning experience.

 [Click here to return to Contents](#)

## ***Bentley Systems Announces Winners of the 2013 Scott Lofgren Student Design Awards, Names Bentley Educator of the Year***

12 June 2013

Bentley Systems, Incorporated, announced the winners of *Bentley LEARNservices'* 2013 *Scott Lofgren Student Design Awards*, recently renamed in honor of the late Scott Lofgren, Bentley global director, who tirelessly advocated for academic programs that help young people learn technical skills in preparation for careers in engineering. Bentley also named Dr. Francelina Neto of California State Polytechnic University Pomona as *Bentley Educator of the Year*. The *Scott Lofgren Student Design Awards* recognize projects that were created, using Bentley software, by university, college, technical, and high school students around the world, and acknowledges the achievements of the students' educators. The competition fosters interest and growth in the architectural, engineering, construction (AEC), geospatial, and operations professions by encouraging students to explore and apply the software they'll need as future members of the infrastructure community. The *Bentley Educator of the Year* award

# CIMdata PLM Industry Summary

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recognizes a member of the academic community who has an outstanding record of achievement and is committed to inspiring students to pursue careers in the infrastructure professions.

Bentley Systems CEO Greg Bentley said, “Bentley colleagues will remember Scott Lofgren, who passed away on May 24, 2013, for his infectious zeal and many accomplishments in sustaining the infrastructure professions by ensuring graduates are prepared for careers in architecture and engineering – or, as he liked to put it, ‘are job ready.’ His role was very important to our company, and the academic programs he nurtured continue to benefit not only Bentley, but also the many AECO firms that rely upon them to meet their growing demand for new talent. Of course, his work and legacy will also long benefit students around the world in discovering the rewards of engineering careers, including the ability to contribute to a better quality of life for all through the infrastructure professions. Moreover, Scott’s integrity and skills as a leader, honed through his education at West Point and rise to lieutenant colonel in the U.S. Army, provide all of us at Bentley Systems with an inspiring example of leadership at its finest.”

The winning projects in this year’s competition are:

- *Eveleigh Cinémathèque*, Marguerite Farmakis, University of Sydney, Sydney, Australia, in the “Innovation in Architectural Design” category;
- *IIT Madras Design for Haji Ali Junction*, Aakanksha Jadhav, Siddhesh Godbole, and Dinesh S Soundappa, Indian Institute of Technology, Chennai, India, in the “Innovation in Road or Bridge Design” category;
- *Onehunga Primary School Entranceway*, Melanie Pau, Yusef Patel, and Stefan Panovski, University of Auckland, Auckland, New Zealand, in the “Innovation in Engineering Design – Structural, Mining, or Hydraulic” category;
- *Church in Trinidad Bay*, Mateusz Ilba, AGH University of Science and Technology, Krakow, Poland, in the “Innovation in Rendering using MicroStation” category;
- *Union Station, Washington D.C.*, Francis Jacaban, Eastern Technical High School, Baltimore, Md., U.S.A., in the “Design a Retail Center” category.

The winning students and projects in the 2013 *Scott Lofgren Student Design Awards* competition will be recognized at their respective schools. Additionally, winners will each receive a scholarship and their respective schools will each receive a handcrafted award and a 10-seat Academic SELECT subscription – including more than 50 products and OnDemand training – through the *Be Careers Network*.

George Church, senior vice president, *Bentley LEARNservices*, said, “The *Scott Lofgren Student Design Awards* competition gives students an opportunity to demonstrate to the infrastructure community their ability to apply what they have learned in the classroom. Given the outstanding quality of the submissions this year, it goes without saying that many of these students will one day be the architects or design engineers who will create tomorrow’s sustainable infrastructure that improves quality of life for communities everywhere and inspires us all.”

He continued, “Fostering this talent are the many dedicated and gifted teachers who share their

# CIMdata PLM Industry Summary

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knowledge and expertise with students, and regularly challenge their capabilities to help them achieve their full potential. We recognize today just such an educator – Dr. Francelina Neto, department chair of Civil Engineering, California State Polytechnic University Pomona, and recipient of the 2013 *Bentley Educator of the Year* award.

“Dr. Neto holds a doctorate in photogrammetry and a master of science in remote sensing from the University of London. She has been an innovative educator for more than 25 years, who can count among her many innovative initiatives the introduction of spatial analysis and 3D modeling into the curriculum in preparatory and advanced courses at Cal Poly Pomona.

“As a dedicated mentor, Dr. Neto’s priority is to extend the educational experience she provides beyond university classrooms to help motivate young people of all ages to achieve their best. She mentors students at the junior college level, providing them the knowledge and motivation they need to become prospective engineering students. She also actively engages in elementary school programs in economically challenged areas, introducing younger students to engineering and showing them, as well as their parents, that a career in the infrastructure professions is within their reach and an excellent career choice.

“On behalf of my Bentley colleagues, I thank Dr. Neto for her commitment to and achievements in advancing educational development among students of all ages on an exemplary scale.”

Dr. Neto said, “It is an honor to receive this prestigious award from Bentley Systems. Like Bentley, I am a firm believer in the value of lifelong learning, and am committed to motivating student development from the early years on. I’m still thrilled by each and every success in empowering students to take advantage of educational opportunities that open doors for them to rewarding careers. I am proud of my overachieving students, but even more proud of the ones who get off on the wrong foot, but work hard and eventually take their place within the community of engineering professionals. I derive great satisfaction in being engaged with students eager to learn and apply their knowledge to problem solving for the benefit of society. It is a pleasure and privilege to contribute toward that goal.”

The *Bentley Educator of the Year* award will be presented to Dr. Neto at [The Year in Infrastructure 2013 Conference](#), being held Oct. 28-31 at the Hilton London Metropole in London, U.K.

For additional information about the 2013 *Scott Lofgren Student Design Awards* winners and the 2013 *Bentley Educator of the Year*, visit [www.bentley.com/studentdesignwinners](http://www.bentley.com/studentdesignwinners).

 [Click here to return to Contents](#)

***Care for the Next Generation: ZW3D Supports and Creates Opportunity for Education***

11 June 2013

# CIMdata PLM Industry Summary

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[ZWSOFT](#), a supplier of 2D and 3D CAD/CAM solutions for the AEC and MCAD industries, is demonstrating their caring for education aiming at improving the learning environments. [ZW3D](#), their CAD/CAM solution, has been applied in many high schools, universities and educational institutions, helping the next generation become capable of and interested in 3D modeling, molding and machining design.

The learning environment has a significant impact on the students' competence and creativity in actual work. As for industrial design courses, full-function software has been used to improved the learning environment, yet the opportunity to have high-quality, affordable and up-to-date design software is still limited for many schools across the globe. Therefore, ZWSOFT is trying to support schools with cost-effective ZW3D that allows more students to learn professional knowledge with the latest software.

## **Support Education with Professional and Up-to-date Design Tools**

ZW3D provides all students with the opportunity to develop 21<sup>st</sup>-century skills by providing the latest 3D design technologies. It gives students access to efficient product design, whole-process mold design, and intelligent CNC machining, which are widely applied in many industries. Comments from all over the world have proved that students can easily combine their creativity with ZW3D to design better products.

Shigeoka Yoshimoto, Professor of Mechanical Engineering at [Tokyo University of Science](#), commented on ZW3D. "It is essential for students to be trained with the latest software, so that they can keep abreast with industry trends. Having this powerful tool at our disposal greatly enhances our professional practice and ability to teach mechanical coursework."

"We want to teach our design study program students the latest CAD/CAM technology, so they would become high-qualified personnel and leaders in international and local companies after graduating from our university", a professor of [Riga Technical University](#) stated.

## **Boost Learning Efficiency with Easy-to-learn Functions**

ZW3D greatly improves the teaching efficiency with easy-to-learn functions and simplified workflows that are suitable for education. The friendly ribbon interface, flexible Drag & Drop features and fruitful built-in tutorials allow students to absorb new knowledge more easily without any extra effort. With its ease of learning, ZWSOFT enables both the trainers and trainees to drive their design ideas easily, quickly, and accurately to completion.

"We are truly impressed that ZW3D does a good job in shortening our people's learning curve and saving time from routine manual tasks," said Mr. Somwang Boonrakcharoen, Deputy Executive Director of the [Thai-German Institute](#). "The Show-n-Tell™ built-in learning system lets our members focus more on design and innovation and less on the learning of the software. With ZW3D, we keep staying on the track of transferring technology rather than learning the software, which is our real goal."

"ZW3D is a piece of creative software. It's easy to use, simple and applicable to a variety of different

# CIMdata PLM Industry Summary

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activities and materials. ZW3D helps us solve the problems arising from the design and manufacturing process with extremely powerful analysis tools and a three-dimensional visual form,” said Ruben Costa, Professor of [Escuela de Educación Técnica N° 2 Bernal](#).

“ZWSOFT is pleased to support global educational organizations in training students with professional industry tools and solutions,” said Felix Gao, Director of ZW3D Overseas Business. “We’re proud of the impact that ZW3D can make on the next generation. We will show our ongoing care on global education and provide high-level and quality opportunities for more students around the world.”

To learn more information about ZWCAD Academic, please email them at [sales@zwsoft.com](mailto:sales@zwsoft.com). Besides, ZW3D has its Student Version to help students accelerate their design career. By registering with their .edu email address, students can get student licenses for free. [Click here](#) to get a student license now.

 [Click here to return to Contents](#)

## ***ESI Opens New Offices on the Ter@tec Campus, a Site Dedicated to Simulation and High Performance Computing***

14 June 2013

[ESI Group](#) announces the opening of new offices on the [Ter@tec Campus](#), the largest computing center in Europe, based just outside Paris. This new location will bring proximity to work hand in hand with industrial and R&D companies in the field of [High Performance Computing](#) (HPC); contributing to the development of HPC technologies.

The Ter@tec Campus has already attracted major industrial and R&D companies, of small and large sizes. [BULL](#) and the [French Atomic Energy Committee](#) (or CEA) have set up a Laboratory for Extreme Computing, while [Intel](#), [Genci](#), the [University of Versailles](#) and the CEA have opened an Exascale Computing Research center, facilities respectively aimed at developing innovative HPC architectures and increasing software performance to enable more efficient, more powerful simulation solutions. The Ter@tec Campus is also home to the CEA's [Très Grand Centre de Calcul](#) (Very Large Computing Center), an essential tool for conducting research in the fields of computing and simulation.

Today, ESI is actively involved in several collaborative supercomputing projects, hosted by [IRT System X](#) and based at the Ter@tec Campus. ESI also took part in the "[Complex Systems Design Lab](#)" project, led by the Systematic Paris Region competitiveness cluster. Completed in September 2012, this research project gave birth to a comprehensive cloud environment for Virtual Product Engineering, enabling collaborative decision making by providing robustness criteria and possible tradeoffs between different product design options

Vincent Chaillou, COO, ESI Group, explains the importance of supporting the progresses of HPC technologies in order to support Big Data simulations: "ESI customers around the globe use Virtual Manufacturing to predict the cause and effect relationships taking place in the manufacturing of each

# CIMdata PLM Industry Summary

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component, sub-assembly and assembly to achieve a full end-to-end Virtual Prototype of their product. ESI clients can then enter an optimization strategy, which involves increasingly larger models and consequentially larger size calculation! The rapid evolution of High Performance Computing is key to support the development of Virtual Product Engineering."

On June 20<sup>th</sup>, 2013, Alain de Rouvray, CEO, ESI Group, and Vincent Chaillou, COO, ESI Group, joined by key customers from the automotive, aerospace and heavy industry, partners and investors, will inaugurate ESI's new office space. After the ceremony, ESI will offer a live demonstration of its [Virtual Reality solution](#), IC.IDO. This solution is used by manufacturers across many industries to improve the design of new products, eliminating design errors early in the design process. Thanks to [IC.IDO](#), engineers can perform collaborative engineering reviews, evaluate and optimize assembly and disassembly sequences, verify resources and tooling for both manufacture and maintenance, and support documentation and training; all before any part of the product is made. A Virtual Reality installation, providing an immersive and interactive experience, will be located permanently in ESI's offices at Ter@tec Campus and benefit diverse HPC projects.

On June 25<sup>th</sup> & 26<sup>th</sup>, ESI will participate in the 8th [Ter@tec Forum](#), an event dedicated to the development of numerical simulation methods and HPC. Held every year at the [Ecole Polytechnique](#) in Palaiseau, this event regularly attracts over a thousand participants. On June 26, 2013, Etienne de Pommery, Business Development Director for Aeronautics, ESI Group, will co-chair with Vincent Cousin from Advancity a Workshop, entitled "Modeling and simulation to support sustainable cities". Workshop chairs and attendees will collectively attempt to determine how modeling and simulation can be applied to the transformation of cities.

 [Click here to return to Contents](#)

## ***GE Intelligent Platforms Joins the PTC PartnerAdvantage Program to Optimize Manufacturing Performance by Connecting MES and PLM***

10 June 2013

GE Intelligent Platforms, a provider of manufacturing operations management software, announced today that it is joining the PTC® PartnerAdvantage™ program. The two companies will work to integrate GE's Proficiency® software applications with PTC's technology solutions to help manufacturers close the loop between product design and production execution on the shop floor.

As a platinum tier member of the PTC PartnerAdvantage program, GE Intelligent Platforms will gain access to tools for integrating its [MES applications](#) with PTC Creo® design software and PTC Windchill® product lifecycle management software. Proficiency Plant Applications, integrated with PTC Windchill MPMLink®, will enable process plans, manufacturing bill of materials (mBOMs), and work instructions to accurately reflect engineering design.

"When manufacturers design the process for quality and compliance they can ensure that products are built right the first time," said Jim Walsh, Industrial Software General Manager for GE Intelligent

# CIMdata PLM Industry Summary

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Platforms. “The integrated solution that Proficy software and PTC Windchill offers customers is the ability to reduce errors, accelerate new product introductions, and provide flexibility to manage engineering change.”

GE’s Proficy Plant Applications maintains traceability and genealogy of products and parts, including process parameters, equipment and tooling used for a full “as-built” record of modifications and sign-offs, complementing the “as-designed” and “as-planned” records in PTC Windchill.

With [hundreds of thousands of software installations](#) and a pedigree spanning decades, Proficy is the software of choice for manufacturers that need proven capability and high reliability. It allows manufacturers worldwide to produce products faster, reduce work in process, gain tighter control on quality, and streamline supply chain.

“The very nature of product design, increasing collaboration and protecting data fidelity across any user role, any design mode, or any data source is imperative,” said Brian Shepherd, Executive Vice President, Enterprise Segments, PTC. It is incumbent upon software companies like GE and PTC to assist manufacturers in making this a reality.”

To learn more about GE’s involvement in PTC’s PartnerAdvantage, click [here](#).

 [Click here to return to Contents](#)

## ***Gibbs and Associates Elevates Status in PTC PartnerAdvantage Program***

10 June 2013

Cimatron Limited, a provider of integrated CAD/CAM software solutions for the toolmaking and manufacturing industries, announced today that its subsidiary, Gibbs and Associates, has moved from a Silver Tier Partner to a Gold Tier Partner within the PTC PartnerAdvantage™ Program. The upgrade to the Gold Tier, which provides enhanced access to a comprehensive suite of capabilities, followed an extensive review of its CNC programming software [GibbsCAM](#)®, its integration with PTC Creo® design software, and GibbsCAM's CNC programming capabilities.

The move from Silver Tier to Gold Tier arose from GibbsCAM's continued leadership in easy-to-use, yet powerful, CNC programming solutions, its increasing use of PTC GRANITE® software to add automation features for PTC Creo users, and its integration with PTC Creo. Andy Barlow, PTC Vice President, PTC PartnerAdvantage Program, stated, "We are pleased that Gibbs and Associates has chosen to advance its partnership with PTC and increase its use of PTC GRANITE. We look forward to working closely to enhance the value GibbsCAM brings to our common customers."

Gibbs and Associates, a PTC GRANITE Partner, also announced availability of GibbsCAM 2013, with

# CIMdata PLM Industry Summary

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all its functionality integrated with PTC Creo 2.0. PTC Creo users are assured compatibility with GibbsCAM since Gibbs incorporates the PTC GRANITE 3D library for CAD file interoperability. This GibbsCAM software integration provides PTC Creo users all the functionality required to program lathes, 2-5 axis mills, MTMs and wire-EDM machines. GibbsCAM's easy-to-use interface provides extensive flexibility for faster programming and the highest levels of efficiency in machining with a shop's preferred processes.

"We are happy to have elevated our PTC PartnerAdvantage program status to the Gold Tier through our continuous software development using PTC GRANITE and our increasing activity with PTC Creo," said Robb Weinstein, Senior Vice-President of Sales and Strategic Planning of Gibbs and Associates. "We are also very pleased to announce the availability of GibbsCAM 2013, uniquely integrated with PTC Creo, so that users may benefit from the productivity and efficiency our combined solutions provide engineers, CNC programmers and machinists."

The new GibbsCAM 2013 suite of CNC programming solutions will be available for demonstration at PTC Live Global in Anaheim, California, on June 9-12, 2013. Visit Gibbs and Associates during the Live Event at the Anaheim Convention Center during exhibit hours in Booth 910.

 [Click here to return to Contents](#)

## ***Omnify Software Announces Winner of 2013 Customer Innovation Award***

11 June 2013

[Omnify Software](#), a provider of web-based Product Lifecycle Management (PLM) software for discrete manufacturers, today announced that [EST Analytical](#), a manufacturer, distributor and service provider of analytical instruments, was the recipient of the 2013 Omnify Software Customer Innovation Award presented during Omnify's [2013 Global PLM Customer Conference](#).

The Omnify Software Customer Innovation Award honors customers that have demonstrated the ability to go above and beyond in utilizing Omnify Empower PLM to improve their product development processes. The 2013 Innovation Award was presented to Tony Batt, Quality Manager from EST Analytical.

EST Analytical initially implemented the Empower PLM system to establish electronic document, change and quality control processes. The company has since embraced several core concepts of the Empower PLM system by utilizing multiple modules including Change Management, Quality Management and Project Management, to integrate manual processes into a single automated system.

Taking advantage of the product's CAPA (Corrective and Preventative Action) functionality, EST developed several closed loop CAPA processes to support Field Service, Manufacturing and Software engineering bug tracking. An interesting use of the system allows Field Service personnel to log issues directly into a CAPA form within Omnify or use a Google Phone mailbox to log the issue by answering

## CIMdata PLM Industry Summary

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specific CAPA questions. Once a CAPA has been logged in Omnify, the investigation process begins. This process flows seamlessly into the Change process when the issue resolution is determined. Tasks and Workflow Stages ensure the necessary information is collected in support of downstream activities involving several business areas. Manufacturing, Receiving and Incoming Inspection, Engineering, Service and Sales are all involved either directly in Omnify Empower or notified through email messaging. The company plans to take their Empower PLM investment even further with Non-Conforming Material (NCM) processing and trending, integration to their Solidworks® 3D CAD system and tools/equipment calibration management for ISO requirements by utilizing the Training Management module.

“Omnify Empower is recognized at EST as a key tool for standardizing and controlling information and processes,” stated Tony Batt, Quality Manager for EST Analytical. “I was quite honored to receive the Omnify Software innovation award and will continue looking for ways to adapt Omnify to improve other business processes across our organization.”

“We are happy to recognize Tony for his creativity in taking EST’s implementation of Empower PLM to the next level,” stated Jack Rowntree, Chief Operating Officer for Omnify Software. “Tony has demonstrated that he is an innovator in the area of managing product development and quality processes and has capitalized on the features of Empower PLM to create additional processes beyond the initial objective that serve as a valuable corporate asset.”

 [Click here to return to Contents](#)

### ***Tata Technologies CIO Selected to Present HR Technology Implementation Case Study at SAP HR2013 in Amsterdam***

12 June 2013

[Tata Technologies](#), a global leader in Product Lifecycle Management (PLM) and Engineering Services Outsourcing (ESO) announced that the Company’s CIO, V. Balaji, presented a case study titled “How Tata Technologies Re-vamped its Business Processes with an SAP ERP HCM Implementation” at HR2013 in Amsterdam 11-13 June.

HR2013 is an annual event, and a collaboration of SAP and SAPinsider, that brings together experts from SAP, independent consultants and customers to provide a 360-degree perspective on SAP HR technology. The 2013 event features 110 technical sessions including comprehensive workshops, lectures, panel discussions, interactive roundtables and customer case studies demonstrating best practices and innovative methodologies.

V. Balaji presented the Tata Technologies case study on Tuesday, 11 June. The paper provides a detailed look at how Tata Technologies embarked on an SAP ERP HCM deployment that focused on improving key processes critical to its growth strategy by using employee self-service functionality and SAP Travel Management. Attendees learned how the company:

## CIMdata PLM Industry Summary

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- Standardized and automated more than 90 key processes, including employee self-service (ESS), SAP Travel Management, procurement, and eRecruiting across three territories, nine countries, involving more than 6,000 employees
- Deployed travel, claims, and expense management in ESS for domestic, international, and local travel
- Successfully completed its large-scale deployment across many cultures and countries

Tata Technologies has a deep and rich history with SAP, Balaji noted. “We have SAP expertise going back more than 15 years,” he said, “it represents more than 8,000 man-years of experience across industries including automotive and aerospace.

“This true integration of domain expertise and functional knowledge delivered to our clients is our differentiator,” Balaji added. “I am excited about sharing this story about how we use our knowledge to improve our internal processes, and how we use that same knowledge to help our clients be more successful.”

To read the full text of the case study, “How Tata Technologies Re-vamped its Business Processes with an SAP ERP HCM Implementation,” [click here](#).

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

### ***TCS and Canada's ICTC to Roll out Innovative Program for High School Students***

10 June 2013

Tata Consultancy Services (TCS) today announced the expansion of its goIT initiative into Canada.

goIT is a key TCS initiative to get high school students interested in pursuing higher education in science, technology, engineering and mathematics (STEM) fields. Over the past 12 months, TCS has been working with Canada's Information and Communications Technology Council (ICTC) to develop an innovative program to spark interest among Canada's Grade 7-10 students to pursue careers in the science, technology, engineering and mathematics (STEM) fields.

The program will be initially rolled out to 10 schools within the Greater Toronto area starting in the 2013/14 school year, with the intent to expand to more school boards and regions across Canada. It will be led by TCS professionals and involve multiple in-school workshops throughout the entire school season on some of the latest technology topics. In the first year, the program will target over 1,000 students.

"Building on a long history of working with Canadian universities, TCS is delighted to introduce our goIT program which is designed specifically for students at the stage that they most likely start making career choices" said Loucas Saites, TCS Canada's Marketing Head & local goIT Program

# CIMdata PLM Industry Summary

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Owner. "Canada needs to attract more students into ICT and we are proud to partner with ICTC to further this cause."

In 2009, TCS launched the goIT program within the US to address the issue of decreasing university enrolment in careers related to science, technology, engineering and mathematics. The TCS Canada goIT program is designed to encourage students to take up ICT as a career choice to solve the long term skills shortage in the country.

"Preparing the workforce of the future will be critical to our economy and who better to bring on board than our youth, we're thrilled to see TCS's leadership in this arena striving to be part of the solution," said Namir Anani, President and CEO of the ICTC. "This program brings emerging technologies into the classroom and gives students direct interaction with some of today's leading experts. It has all the right ingredients to help enable and nurture tomorrow's talent."

 [Click here to return to Contents](#)

## ***U.S. CAD to Offer Autodesk's BIM 360 Field and Glue***

14 June 2013

U.S. CAD is pleased to announce that it has become one of only fifteen resellers in the United States to offer [Autodesk BIM 360 Field](#) and [Autodesk BIM 360 Glue](#) applications. As part of this special designation, U.S. CAD will now offer the two solutions as part of its solutions for the construction industry.

"We are proud to add Autodesk BIM 360 Field and Glue to our portfolio," states Lonnie Cumpton, Director of Professional Services at U.S. CAD. "These two solutions take advantage of the increasing influence of cloud and mobile technologies throughout the AEC industry. We are very excited to be part of this exclusive group that can offer these solutions to our clients."

"We congratulate the team at U.S. CAD for becoming a reseller of Autodesk BIM 360 Field and Autodesk BIM 360 Glue," said Bill Griffin, Vice President Worldwide Channel Sales, Autodesk. "U.S. CAD's support for BIM 360 Glue and BIM 360 Field will help extend the huge benefits of Building Information Modeling to the construction and infrastructure communities."

Autodesk BIM 360 Field enables construction and infrastructure industry professionals to combine mobile technologies and BIM at the point of construction. Autodesk BIM 360 Glue is a data-centric, cloud-based management solution for building and infrastructure projects that provides easier access to project models and data to support collaborative, multi-disciplinary workflows across authoring tools and project control applications.

 [Click here to return to Contents](#)

## Events News

### ***3D Systems Brings Latest 3D Content-to-Print Solutions to RAPID***

11 June 2013

[3D Systems](#) announced that its 3D authoring software tools from [Geomagic® Solutions](#) will be on display along with its [personal](#) and [professional 3D printers](#) at the RAPID 2013 event. This exhibition and conference will be held in Pittsburgh, Pa., June 10 – 13, 2013, at the David L. Lawrence Convention Center with 3D Systems located in booth #427.

Visitors will experience hands-on workflows that take 3D scans into intuitive CAD and voxel modeling software tools that ensure 3D printability. 3D Systems will demonstrate its leading ProJet® professional and personal 3D printers highlighting the new [ProJet x60 series ColorJet printers](#) with over one million unique colors. Experts from [Quickparts Solutions](#), 3D Systems' comprehensive, on-demand, global parts service, will be available to discuss all design to manufacturing opportunities.

“With our growing set of 3D content creation tools from Geomagic Solutions, we are reinventing the engineer’s desktop and giving them guaranteed access to the most comprehensive portfolio of 3D printers, materials and custom parts services in the market,” said Cathy Lewis, Chief Marketing Officer, 3D Systems. “Our 3D content-to-print solutions empower professionals and individuals to imagine, design and produce parts and products quickly and accurately from idea to manufacturing.”

Learn more about the company’s printers, parts and software at [www.3DSystems.com](http://www.3DSystems.com).

 [Click here to return to Contents](#)

### ***Aras Announces Aras Community Event ACE 2013 Korea***

11 June 2013

Aras® today announced the Aras Community Event (ACE) 2013 Korea. ACE 2013 Korea takes place June 18th in Seoul. Speakers include Mr. Masahiko Hisatsugu, President of Aras Japan, and Mr. Chungsik Ka, Manager of Korea KOSO and Aras user. Attendees will have the opportunity to collaborate on product lifecycle management strategies, learn about the advanced PLM solutions from Aras and network with other Aras Community Members. All are welcome to attend.

#### **Event Details & Registration**

<http://aras.com/plm/001945>

Organized by Aras Partner Zionex, ACE 2013 Korea offers an excellent opportunity to explore the many benefits of open PLM, see the advanced capabilities of the Aras enterprise solution suite, hear case studies, learn about global successes and more. Whether you are in the process of learning about Aras or are a long time user, you'll gain expert insight and information necessary to achieve success and take your company's PLM strategy to the next level with Aras at ACE 2013 Korea.

 [Click here to return to Contents](#)

## ***ArchiCAD 17 Debuts at AIA 2013 National Conference***

13 June 2013

At the 2013 AIA National Conference, GRAPHISOFT is showcasing ArchiCAD® 17, the new release of its premium BIM software to the architectural community. GRAPHISOFT will demonstrate the key customer focused initiatives found in ArchiCAD 17 at its booth #3710 in the Colorado Convention Center, June 20-22.

Highlights at this year's show include a live demonstration of ArchiCAD's end-to-end design solution presenting the unique advantages in GRAPHISOFT's BIM-based documentation workflow. Attendees will have the opportunity to see how ArchiCAD 17 simplifies modeling and documentation - from simple models to the most detailed, data-rich models – and the tools uniquely available in ArchiCAD 17 to keep BIM model 'alive' for the duration of the project.

“Once again, ArchiCAD 17 exemplifies GRAPHISOFT's commitment to enhancing the design process for architects. Architectural practices no longer need to abandon their BIM solutions and switch to 2D for construction documentation,” said Steve Benford, Managing Director, GRAPHISOFT North America. “The Priority Based Connections automatically provide construction documentation level sections and details generating real value-added to all the work done on the BIM leading up to that point.”

On the floor, the GRAPHISOFT-sponsored education session, “Creating Your Ecosystem”, will address how firms can implement unique solutions that result in successful collaboration among diverse teams. Led by Russ Sanders AIA, Orcutt Winslow, and Monte Chapin, GRAPHISOFT North America Business Process Leader, the session will discuss best practices for deploying tools and partners that elicit trust and performance across all members of the BIM team.

The session will take advantage of ArchiCAD 17 to show how architects, engineers, contractors, and owner representatives can successfully pass files back and forth across time zones, platforms, and tools. Examples will include how team members can design and output work faster and more accurately by implementing IFC exchange, building information modeling (BIM) server technology, and other file sharing and checking tools.

A free AIA Learning Session is scheduled for 2:00 p.m. on Thursday on the AIA Convention Floor in CE Theatre C.

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

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## ***AVEVA Exhibits at MIOGE 2013 in Moscow***

10 June 2013

AVEVA announced today that it is an exhibitor at the 12th Moscow International Oil & Gas Exhibition (MIOGE) 2013 taking place 25-28 June at the Expocentre in Moscow, Russia.

In Pavilion 1, visitors to the AVEVA stand on booth A625 will be able see a demonstration of the company's newest design software, AVEVA Everything3D (AVEVA E3D™). The AVEVA E3D solution will enable EPCs to reduce fabrication and construction costs using AVEVA's Plant Design for Lean Construction philosophy. In addition, AVEVA will showcase its solutions for Integrated Engineering & Design and Information Management.

'Visitors to MIOGE will have a chance to meet with AVEVA staff to learn more about our latest products and solutions' said Evgeny Fedotov, Senior Vice President, Russia, India & Middle East, AVEVA. 'We have recently introduced new capabilities and would like to share some of our development strategies. Our technical consultants will be on hand to demonstrate how AVEVA technology is being used on real projects and to share our customers' success stories. We are particularly excited to introduce AVEVA E3D to the oil & gas industry; it will take our customers to a new level of capability, reducing cost, timescale and project risk on projects of all sizes.'

Other AVEVA software technologies being demonstrated at MIOGE include:

- AVEVA's Integrated Engineering & Design approach improves project efficiency and reduces engineering and design costs by offering complementary products that draw on common processes, disciplines and deliverables, through a single managed information model.  
[More information](#)
- AVEVA's Information Management solutions are delivered through the AVEVA Enterprise portfolio. These solutions help EPCs and Owner Operators reduce project and operational risk, time and cost while improving safety, quality and data integrity.  
[More information](#)

MIOGE is the largest and most important oil & gas industry event in Russia. It has become a traditional meeting place for the world's leading oil & gas companies to converge and build new business partnerships with local industry operators and suppliers. 1000 companies from 40 countries and around 30,000 local and international visitors are expected to attend the 2013 event.

 [Click here to return to Contents](#)

## ***AVEVA Presents New Solutions at Brazil Offshore***

11 June 2013

# CIMdata PLM Industry Summary

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AVEVA announced today that it is attending the Brazil Offshore International Conference and Fair for the Oil & Gas industry taking place 11 to 14 June, in Macaé (RJ). AVEVA is showcasing its solutions for the offshore and marine industries, many of which are in use by leading Owner Operators (OOs) and their EPC partners across the world.

'Events such as Brazil Offshore allow us to showcase our customers' success stories in oil & gas projects and to discuss the potential for the use of our solutions in the marine and offshore industry', said Santiago Pena, Senior Vice President - Latin America, AVEVA. 'With AVEVA Everything3D, those involved in the design of major capital projects can take their plant design performance to a new level. Integrated laser data reduces rework and streamlines decision making, achieving a new level of design efficiency and enabling higher-quality projects to be delivered more quickly, reducing the overall cost and risk.

The AVEVA showcase on booth I.23 will also feature:

- AVEVA's Integrated Engineering & Design products from the AVEVA Marine™ portfolio, an integrated suite of software for the design and construction of every type of ship and offshore project.
- The AVEVA Enterprise Resource Management™ suite of applications that support the most efficient project planning and execution processes.
- AVEVA Bocad Offshore™ that provides a powerful toolset for the design, detailing, fabrication and construction of all types of steel structures.
- AVEVA's Enterprise Asset Management solution AVEVA WorkMate™, which supports the safe and efficient maintenance and long-term operation of assets.
- AVEVA NET™, powerful Information Management software for visualising, validating and linking all types of data and documents.

 [Click here to return to Contents](#)

## ***AVEVA Sponsors the Eleventh ARC Industry Forum India 2013***

12 June 2013

AVEVA announced today that it is participating as a silver sponsor of the eleventh annual ARC Industry Forum India, 2013, being held in Hyderabad, India, July 11-12. AVEVA will present '*The Best of Both Worlds: Using Multi-User Virtual Plant Environments and 3D Interactive Visualization to Optimize Plant Safety*'. Delegates will learn how an integrated solution encompassing asset management, engineering information management and 3D simulation for training purposes provides all the components required to help organisations achieve compliance with the new ISO 55000 standard.

'We have a long-standing relationship with ARC Advisory Group that goes back many years. We regularly attend its Forum events and participate in ARC research', said Navtej Garewal, Senior Vice President - Head of India, AVEVA. 'With India being such a big player in the global economy, the ARC Industry Forum India 2013 is a great chance for us to speak with people in our key industry areas, such

# CIMdata PLM Industry Summary

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as oil & gas and chemicals, to fully understand their challenges and opportunities in the coming years. India is a rapidly growing economy to which we have already demonstrated our commitment by expanding our sales and support network across the country.

'Our presentation will focus on safety; a subject close to the hearts of everyone in the process plant industry. We will demonstrate how the management of information such as operational risk assessments and effective cross-discipline communication can not only improve safety, it can enable more efficient plant operation and assured regulatory compliance.'

G. Raman Ganapathiraman, General Manager for ARC Advisory Group India stated, 'We have worked globally with AVEVA for many years and are delighted that they are sponsoring the ARC Industry Forum India 2013. As India is a key region for AVEVA, this event is a great opportunity for the company to showcase its solutions designed to enable its global client base of EPCs and owner operators to improve both project and asset performance.'

 [Click here to return to Contents](#)

## ***CimatronE 11 for Mold Design Enjoys Global Exposure***

13 June 2013

[Cimatron Limited](#) today announced that the mold design and NC programming capabilities of CimatronE 11, the latest version of its integrated CAD/CAM software solution for mold makers, will be demonstrated at a range of trade shows during June in the US, UK, Germany, Russia, Thailand, and Japan.

"Mold shops in today's economy face fierce competition from both domestic and global players," said Mr Ira Bareket, Cimatron's VP Sales and Marketing. "In this environment, successful shops are those that have managed to cut design and production time without compromising on mold quality".

"CimatronE 11 supports the design of precision molds of any complexity and size, serving every possible industry from household goods, computers, communications, and consumer electronics to medical, aerospace and automotive. Through new and improved analysis tools, more automation and a wide variety of dedicated capabilities and features for any job, the new CimatronE 11 offers mold designers the power they need for designing any mold with unmatched speed and accuracy."

Highlights of the new and enhanced features in CimatronE include:

- Rapid parting surface creation  
A new tool enables the easy creation of the internal parting surface. Users can close internal islands by selecting geometry from a non-activated part, and the system can detect any type of geometry (open or closed) to cap islands.
- Wall thickness integrity

# CIMdata PLM Industry Summary

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A new embedded and accurate 3D wall thickness analysis tool allows the user to check whether an object's walls are of the required thickness to ensure high product quality.

- **Lifter pockets**  
Pockets for lifters can now be created during the parting design or tool design stages with the click of a button.
- **Automated cooling design**  
The length of baffles is automatically optimized according to the geometry of the part, and the user can view and control the safety offset to identify any gouges. In addition, when adding a cooling item, the associated cooling channel is automatically created at the same time.
- **Engineering change orders**  
A new ECO Manager enables the highly effective rapid assessment and seamless incorporation of an unlimited number of ECOs into an existing model.

These capabilities and many more will be demonstrated at the following trade shows in June:

- **AmeriMold**, Rosemont, IL, US, June 12-13, at the Cimatron booth (#410).
- **RosMould**, Moscow, Russia, June 18-20, at the Bee-Pitron booth (Pavilion 2, Hall 5, Booth E25).
- **DMS**, Tokyo, Japan, June 19-21 at the Saeilo booth (#E2, 14-30).
- **PDM**, Telford, UK, June 19-20, at the booth of Foregone Solutions (#C041).
- **Wfb**, Siegen, Germany, June 19-20, at the Cimatron booth (#C-06).
- **Intermold Thailand**, Bangkok, June 20-23, at the booths of MyGrowTech (Hall 102, MD28-MD30) and Saeilo (#J17).

For a complete list of CimatronE 11's new and enhanced capabilities for mold design, visit <http://launch.cimatron.com>

 [Click here to return to Contents](#)

## ***Delcam chooses New Orleans for 2013 ArtCAM User Group***

14 June 2013

Delcam will hold this year's User Group meeting for its ArtCAM artistic CAD/CAM software at the Sheraton Hotel, New Orleans, from 22nd to 24th August. The extended format will mean more time to cover more types of project and material, so users can learn how to be more productive and profitable with their ArtCAM software. For more details and to register, please go to <http://artcam.com/events/usergroups/2013>.

Commenting on the decision to go back to national meeting format, Sean Plunkett, ArtCAM Sales Manager for North America, said "Over the last two years we have offered variations to the User Group format from multiple locations to online seminars in order to meet the needs of our very diverse customer base. While the feedback has been good on the quality of the content presented at these

# CIMdata PLM Industry Summary

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events, a lot of our users have told us that they missed the face-to-face interaction with Delcam's engineers and developers, and with other users."

The User Group will focus on information mainly applicable to ArtCAM Insignia, ArtCAM Pro and ArtCAM JewelSmith but will be beneficial and informative to everyone who uses and wants to learn more about their ArtCAM software.

As always each session and presentation will be packed with a combination of techniques, tips 'n' tricks, business benefits and new features, all aimed at helping delegates to be able to produce their work with greater speed, efficiency, accuracy and cost effectiveness. This is not a training class for complete beginners but will be beneficial to recent as well as seasoned users. Topics will cover options that users may not have known existed in the software as well as what's coming out in the latest version, enhancing delegates existing skills so they can grow their businesses and be more profitable.

There will be some sessions and presentations with the entire group together but for the jewellers using ArtCAM JewelSmith there will be break out and separate sessions focusing specifically on the ArtCAM JewelSmith software. For these sessions, Delcam presenters will be joined by our partners Michael Buckley, John Stewart and Randy Hays, who will contribute to the ArtCAM JewelSmith sessions and presentations.

 [Click here to return to Contents](#)

## Financial News

### ***Gerber Scientific Reports 60 Percent Earnings Growth Driven by Product Innovation and Geographic Expansion***

10 June 2013

[Gerber Scientific](#) ended its fiscal year and its 65th year in business with 57 percent year-over-year earnings growth fueled by seven new product offerings, expansion of its four businesses into new geographies and the addition of nearly 900 new customers.

Mike Elia, who has been with the company for five years and was appointed president and CEO of Gerber Scientific in August of last year, said, "The financial progress we made this past fiscal year is exciting, but, what's even more invigorating is our renewed focus on product innovation and the expansion of our customer base. Forty-five years ago, Gerber revolutionized the sewn products industry with the invention of the GERBERcutter and, given the research, design and engineering work taking place across the organization now, we're poised to do it again."

To support its financial growth and geographic expansion, Gerber invested heavily in new product development and infrastructure improvements including the upgrade of its SAP enterprise software. During the year, the company released seven new products that simplify the design, processing and

# CIMdata PLM Industry Summary

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handling of flexible and semi-rigid materials. Among these are:

- The [Iris™ Spatial Positioning System](#), breakthrough technology for companies that manufacture heavy machinery like excavators and mining trucks; locomotives; ships and other large-scale products. Iris guides welders through the assembly process using lasers.
- A version release of [AccuMark®](#), the industry's leading pattern design, grading and marker making software for sewn products
- [YuniquePLM™ 5.0](#), the award-winning product lifecycle management software that helps brand owners and retailers track all of the details involved in bringing a product to market, on time and at the right cost. YuniquePLM 5.0 delivers significant functionality enhancements and improved usability.
- The [GERBERcutter® GT3000](#) computer-controlled cutting system for the corrugated and folding carton packaging industry.
- The latest Gerber [OMEGA 5.0](#) graphic design and output software that enables graphics professionals to create advanced signage, labels, decals, dimensional routed products and other specialty graphics products.

Gerber Scientific is comprised of four businesses:

- [Gerber Technology](#) is a leading supplier of CAD software, automated material spreading systems and computer-controlled cutting systems for a multitude of industries ranging from apparel to aerospace that deal with flexible materials.
- [Gerber Scientific Products](#) provides sign shops and graphics professionals with computerized sign making and specialty graphics systems, software and printing materials.
- [Virtek Vision International](#), is a leader in providing laser templating, quality inspection and spatial positioning technology for aerospace carbon fiber composite part assembly, welded assembly, sheet metal part fabrication and construction markets.
- [Yunique Solutions](#) offers product lifecycle management software and business solutions consulting services.

This past year, Gerber's businesses expanded into new geographies and, in total, welcomed nearly 900 new customers. "Through the decades, many of the industries we serve have migrated into and out of different regions to follow their customers and optimize their supply chain," said Elia. "And Gerber is always right around the corner to offer state-of-the-art automation solutions, vast process knowledge and decades of experience. For example, as the apparel industry migrated from North America, to Europe, Latin America and then to Asia, we've always been there to help designers and manufacturers transition from a manual to an automated operation and optimize productivity from the design room through the cutting room. This year, we've benefitted significantly from having local representation in regions where the industries we serve are less mature and where the need for software and hardware automation systems is high."

In August 2011, Gerber Scientific was taken private by Vector Capital, a San Francisco-based, global private equity firm specializing in the technology sector that manages more than \$2 billion of equity capital. Elia noted, "Since we were acquired by Vector, we have dramatically improved our financial performance. In fact, we have grown our earnings at a compounded annual rate of 97 percent since the acquisition on a 5 percent compounded annual growth rate in revenue. The acquisition has also enabled

us to be faster and more agile, particularly in strategic planning and product development areas.”

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

## Implementation Investments

### *Cary Francis Group Implements CPSIA Compliance, PLM and Supply Chain Management Solutions from NGC Software*

11 June 2013

[NGC Software](#)® today announced that Cary Francis Group, a merchandising, marketing support and fulfillment company, has implemented NGC's [Extended PLM](#) software as an integrated solution for product lifecycle management, global sourcing/supply chain management, and CPSIA compliance.

Cary Francis Group has more than 80 years of combined industry experience in providing its customers with marketing solutions that protect and promote their customers' brands through non-traditional products and services. The company specializes in promotional licensed merchandise and incentives for Fortune 500 companies.

[CPSIA compliance](#) was the #1 factor in Cary Francis Group's selection of NGC's Extended PLM software. The company must ensure CPSIA compliance on all products that it develops, sells and distributes for its customers, according to Phil Krempely, CEO and president, Cary Francis Group. "We source and ship our products from around the world, and we must ensure that we are tracking appropriately and have all the required CPSIA certifications," he explained.

Prior to selecting NGC's software, Cary Francis Group used a manual system to track CPSIA compliance. "The system couldn't handle our growing international business," Krempely said. "With NGC's system, we get the benefits of a 100% transparent solution that can not only manage the CPSIA compliance process but also help streamline our [product development and global sourcing](#)."

Key benefits of NGC's solution for Cary Francis Group include:

**Brand protection through CPSIA compliance.** "Our top priority at Cary Francis Group is to 'protect our clients' brands,' so CPSIA compliance is critical," said Krempely. "Cary Francis Group brings a level of comfort and security to the corporate brands that we represent, and NGC's software will help ensure that we have the right systems in place to manage all the complexities of CPSIA compliance."

**Streamlined operational efficiencies.** NGC's system will streamline business processes at Cary Francis Group by minimizing or eliminating inefficiencies and improving collaboration with overseas vendors. "The system allows us to enter data once, and then stream it to our other departments and platforms—including merchandising, purchasing, creative and IT—which will eliminate a lot of redundancies and

# CIMdata PLM Industry Summary

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speed up catalog development, e-commerce and other areas," said Krempely.

NGC's software also helps Cary Francis Group improve communications with its global supply chain by ensuring that all product information on the company's proprietary item specification sheets – documents that include the specifications for all the products that the company sells – is contained in the system and easily accessible to the vendors.

The implementation was smooth and finished ahead of schedule, according to Krempely. "We are very happy with the process," he said. "We compete very successfully against the giants in our industry, and we believe that NGC's system will help Cary Francis Group remain one of the industry's top five sales promotion services providers, and maintain our competitive edge."

"NGC's work with Cary Francis Group demonstrates the versatility of our PLM, supply chain management and CPSIA compliance software," said Mark Burstein, president of sales, marketing and R&D at NGC Software. "While NGC is known for our fashion, apparel and footwear PLM and SCM solutions, our software is equally adept at meeting the needs of a licensed merchandising company such as Cary Francis Group, as well as many other markets including accessories, consumer products and furniture. NGC is excited that Cary Francis Group is a customer, and we look forward to helping them realize the full benefits of NGC solutions."

 [Click here to return to Contents](#)

## ***"CimatronE Implementation: Best Decision We've Ever Made"***

10 June 2013

[Cimatron Limited](#) today announced the successful deployment of 400 seats of its integrated CAD/CAM solution CimatronE at the Ju Teng Group, which is one of the world's largest mold makers, claiming a third of the global market for notebook casings.

"Our adoption of CimatronE for our mold design, electrode and NC programming has enabled us to reduce costs and double our work capacity while maintaining our existing staff levels, and we can now provide our customers better quality molds delivered much more quickly," said Mr Luorongde, Vice President of the Ju Teng Group.

Ju Teng International Holdings is one of the world's largest producers of casings for electronic goods, claiming over 30% of the international market for the manufacture of notebook casings. With factories across mainland China and Taiwan, its tier-one customers include Acer, Asus, Apple, Dell, HP, Lenovo, Sony and Toshiba.

Ju Teng began working with CimatronE in 2004 for electrode design and NC programming. Following a company-wide review, in 2010 Ju Teng decided to shift its mold design operations to CimatronE, and

# CIMdata PLM Industry Summary

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today the company hosts over 400 seats of the software.

"The benefits of shifting over our entire design and production to CimatronE were obvious," said Mr Luorongde.

"CimatronE offered strong capabilities for our mold making needs and allowed all of our CAD and CAM processes to be performed with the one software. Working in a 3D environment and using CimatronE's analysis tools, our staff has been able to accurately design molds for production, practically eliminating the need for trial-and-error on the shop floor. We've even been able to close one of our departments that was responsible for repairing mistakes in machined molds."

"It's always a risk for a company of our size to move all of our operations to a new software, particularly given the burden of implementation and training. However, Cimatron China provided an outstanding level of support during the process, with onsite training and technical assistance, as well as a willingness to work closely with us at all stages to ensure that the transition was as smooth as possible."

The deployment of CimatronE has provided Ju Teng with results such as the following:

- As a single solution for both design and NC programming, CimatronE has eliminated the need for data translation between the CAD and NC departments. No data is lost and programmers no longer need to fix design errors, leading to major time savings and drastically reducing the number of mistakes.
- CimatronE files can contain product manufacturing information, further improving collaboration between departments.
- CimatronE's concurrent engineering capabilities mean that two or more designers can work on the same mold on different sub-assemblies, or one designer can work on the parting while the other works on the mold design. NC programming can begin while a mold is still being designed.
- As a 3D software with dedicated mold design tools, a rich set of analysis tools, and simulation, CimatronE has enabled the design and manufacturing of molds of the highest quality.
- The CimatronE ECO application has greatly improved Ju Teng's ability to manage the many ECOs it receives from customers.
- A hybrid solid surface environment for mending and parting has also helped to speed up the design process and ensured optimal quality.

"Our move to CimatronE was the best business decision we have ever made," said Mr Luorongde.

 [Click here to return to Contents](#)

***Dassault Systèmes' 3DEXPERIENCE Selected by Pininfarina to Design New Concept Car***

13 June 2013

# CIMdata PLM Industry Summary

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Dassault Systèmes today announced that leading Italian design house Pininfarina, has selected Dassault Systèmes' 3DEXPERIENCE CATIA for Creative Designers application, to design and manufacture a new concept car in honor of its honorary chairman, Sergio Pininfarina. The CATIA application enabled project designers and engineers to produce an aesthetically innovative and aerodynamic design under a very tight schedule.

Using innovative virtual clay modeling and 3D sketching features, Pininfarina designers were able to express their creativity, experimenting in the earliest stages of development with a variety of different approaches, quickly converging on the most appropriate shape and configuration of the Sergio Concept Car. The resulting 3D virtual model was rich in detail and production-ready class-A surfaces, generated using ICEM Surf. Designers were also able to manage different variations of their concept car and experience each design alternative in 3D using CATIA Live Rendering application capability. All of the designers' styling features, including textures and colors, with the technical features developed by Pininfarina engineers were combined into one unified model. This facilitated the exchange of ideas and accelerated the decision-making process.

“The CATIA application provides us with an innovative way of working that respects Pininfarina's own historic and crucial design philosophy,” said Fabio Filippini, Design Director at Pininfarina. “Our search for purity, performance and emotion are the very values that Sergio has transmitted to us throughout his career. Concept modeling, focused on these three core values, is our forte and Dassault Systèmes' 3DEXPERIENCE design solutions help us transform our ideas into reality.”

“Designers are vibrant personalities passionate about their work, and very demanding when choosing design technologies. So when a renowned design firm like Pininfarina decides to express its creativity with our 3DEXPERIENCE solutions, we are pleased to provide its designers with an enhanced design experience,” said Monica Menghini, Executive Vice President, Industry and Marketing, Dassault Systèmes. “With digital 3D continuity and realistic rendering the design and engineering teams were able to rapidly create and analyze design alternatives and converge on the perfect design.”

For more information on Dassault Systèmes' solution experiences for the transportation and mobility industry, please visit [www.3ds.com/solutions/transportation-mobility/](http://www.3ds.com/solutions/transportation-mobility/).

 [Click here to return to Contents](#)

## ***Delcam Electrode Saves Time and Money for Cavalier Tools***

10 June 2013

Switching to Delcam Electrode software for the design and manufacture of its electrodes has saved time and money for Cavalier Tool. The company has gone from outsourcing about \$600,000 a year on EDM to pulling all that work back in-house with a single OPS Ingersol machine and Delcam's software. To find out how, watch the video at [www.delcam.tv/cavalier](http://www.delcam.tv/cavalier).

## CIMdata PLM Industry Summary

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Cavalier Tools and Manufacturing operates out of Windsor, Ontario, in Canada. Having 35 years' experience in its field has made Cavalier Tools a key player and a leading innovator in the mouldmaking industry. The company creates 200 or more moulds per year, most of which require multiple electrodes for their manufacture.

Brian Bendig, the President of Cavalier Tools, explained that the business had aspired to expand "without adding bodies, without adding bricks and mortar". The company's engineers were aware that EDM was a long process that should have room for improvement. So Cavalier Tools turned to Delcam for the answer: the solution was to add an OPS Ingersol machine and the Delcam Electrode software.

Mr. Bendig described Cavalier Tools as "creative problem-solvers" and this is something to which Delcam can relate. Delcam pays close attention to its customers' needs and is able to work with other businesses to create customised solutions that allow customers to reach their potential, and to realise their aims and objectives.

Mr. Bendig praised Delcam, saying "Delcam did a really good job of working with OPS Ingersoll in Germany to construct a solution that simplified the EDM process for Cavalier Tools."

Mark Langlois, the EDM Leader for Cavalier Tools, described the transition to be "like night and day". Before the Delcam software was added, the EDM process was long and drawn out but "Now, we just take data from Delcam Electrode directly to Ingersoll so there's no typing. Everything is perfect."

"We had Delcam customise a few items inside the program menu so that it will meet Cavalier Tools' needs," added Mr. Langlois. Delcam was also able to work together with OPS Ingersoll to create a custom script to streamline the programming of the machine's operations.

"EDM was a long process, now it's just a couple of clicks; I can get my electrode, with literally almost no work. Click, click, click: done" claimed Mr. Langlois. Once the electrode design has been finalised, it can be put straight into Delcam's PowerMILL CAM system for machining.

The savings Cavalier Tools have made are contributing to steep progress by the company. "We're roughly five or six times faster than before," said Mr. Bendig. "The increase in throughput has been phenomenal. We've gone from outsourcing about \$600,000 a year on EDM to pulling that back in-house with a single machine, utilising Delcam's software."

Mr. Bendig highlighted that the increased productivity from having Delcam Electrode and the OPS Ingersol machine has paid for all the costs incurred from buying them. "At Cavalier Tools, we're always trying to get things done more efficiently: with Ingersoll and Delcam products, we can outdo everybody else."

 [Click here to return to Contents](#)

## ***HOK Selects CTC as Autodesk Partner***

11 June 2013

CTC, Inc., an Autodesk Partner to the AEC industry, announced a strategic partnership with global design firm HOK. The adoption of building information modeling has presented new opportunities to AEC firms, and CTC excels in helping firms of all sizes reap the benefits of BIM.

“As the thought leaders in our respective industries, it was a natural selection to partner with CTC,” said Greg Schleusner, HOK’s Director of BIM Technology. “It is exciting to see CTC advance the Revit community through their innovation and provide unique solutions, like the Revit Express Tools, that help HOK maximize our investment in Autodesk technology.”

The Revit Express Tools are add-in programs that address challenges faced by today’s Revit software users. Extending Revit’s functionality, enabling productivity gains, and enhancing the user experience has helped CTC’s Revit Express Tools gain international notoriety in the design community.

HOK has 24 offices on three continents and they are following the trend of international design firms choosing U.S.-based CTC as their Autodesk partner. CTC helps companies across the globe increase productivity by leveraging BIM data in new ways through custom applications.

“We speak with customers all day long, and listen to their challenges,” said Jeff Burbank, Revit Express Tools Development Manager. “We are always looking for new ways to help AEC firms capitalize on opportunities presented by leveraging BIM data, and we look forward to strengthening our partnership with HOK by enhancing our products for their specific project needs.”

 [Click here to return to Contents](#)

## ***Kistler Group Companies Rely on Dassault Systèmes’ SolidWorks for All Product Design***

12 June 2013

Dassault Systèmes today announced that the Kistler Group, a manufacturer of dynamic measurement technology, is expanding its global product design and development with its SolidWorks 3D design software application. Kistler is adding more than 25 new SolidWorks licenses to its sites in Switzerland, Germany, USA, and Asia with the goal of consolidating all design work from every competence center in order to simplify working processes, reduce turnaround times, and lower costs. Since November 2012, Kistler has designed all of its products with SolidWorks software.

“We were already using SolidWorks in Winterthur, but primarily in the field of electromechanical

## CIMdata PLM Industry Summary

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engineering," explained Edwin Schmid, R&D Manager at Kistler Instrumente AG. "The software offers such an extensive and varied level of functionality, making it a very flexible tool that we can use in all departments at each site. With the help of this company-wide approach to CAD, we can guarantee data compatibility at the international sites, increase product quality, and reduce system maintenance costs."

Powered by Dassault Systèmes' 3DEXPERIENCE platform, the SolidWorks software application has been used by Kistler for five years to develop sensors, electronics, and software for sophisticated measuring tasks. Kistler products are generally used for testing during vehicle development processes and to monitor and control various industrial production processes, playing a key role in quality assurance procedures. It is crucial for measurement technology to be developed on a continuous basis and for solutions to be customized to address specific market requirements.

"Standardizing on a single design platform increases collaboration and productivity, and allows customers to spend more time focusing on innovation," said Bertrand Sicot, CEO SolidWorks, Dassault Systèmes. "Adopting SolidWorks will enable Kistler to provide the consistent measurement tools their customers rely on to test and assure quality in their own products, regardless of where they were manufactured."

At Kistler Instrumente AG in Winterthur, the eight existing licenses will be supplemented with another 17 licenses, for design work at the site by the end of the year. The competence centers located in Lorch in Germany and Buffalo, NY, USA are switching from their previous CAD software to SolidWorks with 11 additional licenses. The German Competence Centres in Schöneich and Wetzlar have already been using SolidWorks CAD.

Solid Solutions AG, an authorized SolidWorks reseller, provided consultation, and implementation for the SolidWorks deployment.

 [Click here to return to Contents](#)

### ***Luggage Brand Delsey Adopts TXT's PLM Solution to Improve Global Planning and Offer***

10 June 2013

Delsey, a leading French luggage brand sold in over 6,000 stores around the world, is about to implement TXT's Product Lifecycle Management (PLM) technology to help streamline the design and planning process. PLM systems help companies cope with the increasing complexity of developing new products for global competitive markets. With Delsey present in more than 130 countries and a Delsey bag sold every 10 seconds, the company needed software to help orchestrate and monitor its global activities using a single, end-to-end PLM solution.

The TXTPLM software - also used by over 150 other apparel brands and retailers, including Auchan, Artsana and Louis Vuitton Malletier - will support all phases of collection planning, design, development, sourcing and collaboration and is expected to lead to shorter time-to-market and more

# CIMdata PLM Industry Summary

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targeted ranges. It will also improve the sharing of information between merchandisers, designers, and buyers – for instance, on timelines, perception of the product, business targets - right from the earliest phases.

“Delsey sells premium ranges of luggage and design-led bags, but what sells well in France tends to be quite different to what’s popular in North America or China,” said Catherine De Bleeker, Group Marketing Director. “Being able to plan more accurately and strengthen the connection between planning and design - as well as monitor every step of the collection lifecycle across all products and localities - will be strategic to our growing international business.”

With the new PLM systems in place, everyone will have access to the same data – a central repository of information including details on product designs, costs of materials, overseas suppliers, and lead times.

“It’s all about having a single version of the truth, to avoid duplication and error and make the design, production and supply process more efficient,” added Simone Pozzi, VP Sales & Marketing at TXT.

Sylvie Maillard, Group CIO at Delsey, said that the company chose TXT over other software vendors because of its strong pedigree in fashion, retail and luxury goods; as well as its range of supply chain, forecasting and replenishment solutions. It also wanted software that would integrate easily with its existing Microsoft ERP system.

 [Click here to return to Contents](#)

## ***Multi-CAD and Multi-Site: SaarGummi Goes Online with CIM DATABASE***

12 June 2013

SaarGummi, a specialist in car body seals and global supplier to the automotive industry, has replaced its previous PDM system with CIM DATABASE. This change was necessary because the older system could not support other CAD systems alongside CATIA nor the company's distributed network of sites. The company is now running the new platform for product data management as well as to control its development processes in Germany and China. CIM DATABASE is currently being used by the enterprise's product developers and project managers; the next deployment step will see its introduction in Toolmaking and the Center of Competence for Industrialization.

For SaarGummi, it was vital to switch over from a team data management system for CATIA to a new PDM/PLM solution: The group of companies needs reliable support for its cross-site development processes and, more recently, also for the administration of NX data. The former system could not help in either case. A test installation provided by CONTACT Software, on the other hand, performed impressively and convinced the customer during a benchmark involving leading system vendors, not least through its multi-CAD data management capabilities.

# CIMdata PLM Industry Summary

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Now, CAD data management and collaboration with the site in China is organized using CONTACT's Workspaces technology. This includes 3DXML as a viewing format for the engineers. For fast data synchronization between Asia and Germany, SaarGummi benefits from CONTACT's EdgeServer technology, which is able to significantly accelerate transmission in wide area networks. The company also uses the DCS document conversion service through which CIM DATABASE provides an infrastructure for the automatic background derivation of secondary and neutral formats.

Released components are made available as 3D documents throughout the entire company. This solution was implemented by the automotive supplier itself. As Stefan Harig, Head of Strategic Group IT & Business Processes at SaarGummi, explained: "Both for users and for the organization of the enterprise as a whole, it is a great advantage that CIM DATABASE can be easily adapted to meet individual requirements."

As a global full service supplier for car body seals and molded parts, SaarGummi counts all the major automobile manufacturers among its customers. These are supported by a global network of branch offices in Europe, the BRIC countries (Brazil, Russia, India, China) and North America. In fiscal year 2012, the group of companies, which employs approximately 4,800 people, achieved sales of 390 million euros. As of mid-2011, this automotive supplier, which is headquartered in Wadern-Büschfeld in Germany's Saarland region, has been part of CQLT Chongqing Light Industry & Textile Holding, one of the 500 leading companies in China.

 [Click here to return to Contents](#)

## Product News

### *3D CAD Models of Bulgin Components Now Available Through TraceParts*

10 June 2013

Elektron Technology has teamed up with TraceParts to offer 3D CAD models of the Bulgin product portfolio. Initially available for the Buccaneer® range of connectors – including the 400 Series, 900 Series and 6000 Series – customers will be able to access these models free of charge through both the [TracePartsOnline.net](http://TracePartsOnline.net) CAD portal and at [www.bulgin.co.uk](http://www.bulgin.co.uk), making it easier than ever before for product developers and engineers to incorporate Bulgin products into their designs.

[TracePartsOnline.net](http://TracePartsOnline.net) is used by product designers around the world, and features hundreds of supplier catalogues and over 100 million CAD models and product datasheets designed specifically to meet the requirements of design, purchasing, manufacturing and maintenance processes. Addition of the Bulgin product range to this extensive library will provide design engineers with easy access to high quality, accurate 3D models which can be used in a wide range of CAD software formats – including SolidWorks, CATIA, Creo Parametric (formerly Pro/ENGINEER), Inventor®, Solid Edge, TopSolid, Geomagic Design™ (formerly Alibre), DWG and DXF – thanks to TraceParts' online file translation service.

# CIMdata PLM Industry Summary

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Stuart Hutchings, Marketing Manager for Bulgin, commented: “Elektron and TraceParts are at the forefront of their respective fields, so this was a logical extension of our online services. The new models will make it much easier for engineers to incorporate Bulgin products into their designs, providing quick and easy access to high quality CAD models anywhere in the world.”

[!\[\]\(e51810ff30b37de53380ac76c06eed8d\_img.jpg\) Click here to return to Contents](#)

## ***Altair Broadens Relationship with Siemens PLM Software to Enhance Data Exchange for its CAE Software Users***

11 June 2013

[Altair](#), a global provider of simulation technology and [engineering services](#), broadened its relationship with Siemens PLM Software to enable closer collaboration in the exchange of data among product lifecycle management (PLM) teams who employ Altair computer-aided engineering (CAE) tools in analyzing product designs and materials.

As part of the expanded relationship Altair will now offer direct connections to Siemens' [Teamcenter®](#) portfolio, [JT™](#) data format, and [Fibersim™](#) portfolio of software for composites engineering.

The first new development stemming from this expansion is the integration between Teamcenter and Altair's [HyperWorks](#) CAE software platform. Teamcenter brings document processes into the PLM environment, synchronizing them with product development processes and product changes. The new functionality in the HyperWorks collaboration tools allows users to either connect to Teamcenter directly from within HyperMesh and the HyperWorks Desktop user interface or work seamlessly by launching Hypermesh from within Teamcenter through the PLM XML interface.

This connection provides HyperWorks users with access to information shared via Teamcenter and enables out-of-the-box and active collaboration among teammates on CAE projects without leaving the familiar HyperWorks environment. The connection enables users to search and retrieve data directly from the Teamcenter repository. Computer-aided design (CAD) and bill of materials (BOM) files can be retrieved and loaded directly into [HyperMesh](#) and HyperWorks Desktop. This is the first such enterprise connection using the [HyperWorks Collaboration Tools](#) and its underlying connectivity technologies.

The PLM XML interface between Teamcenter and Hypermesh enables users to launch Hypermesh directly from Teamcenter with Product BOM and CAE BOM and perform a variety of preprocessing activities.

"We are pleased to expand our relationship with Altair to provide integrated solutions that improve the productivity of our mutual customers," said Bill Boswell, senior director of partner strategy, Siemens PLM Software. "Siemens PLM Software is committed to creating partnerships to help enhance the end-user experience of our customers."

# CIMdata PLM Industry Summary

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The second development is a direct interface to the JT data format that is now freely available to all HyperWorks users. JT is a lightweight and powerful 3D data format that is used across many industries, including automotive and aerospace. The JT format allows engineers to work with smaller, more manageable files that can be imported rapidly and consistently into Altair's HyperMesh without the use of multiple translators. The JT interface is now offered as a standard, out-of-the-box component within HyperWorks.

"Our agreement with Siemens PLM Software represents yet another level of openness in our HyperWorks architecture," said Paolo Sansalvadore, Altair's senior vice president of modeling and visualization. "It's important for engineers using Siemens' CAD products to enjoy compatibility with our CAE tools, and we are delighted that now they can do so."

The third development is Altair's latest release of a HyperWorks interface to Fibersim. Fibersim is used in the design and manufacture of innovative, durable and lightweight composite structures. This interface provides a valuable suite of tools for design engineers to analyze and optimize such structures. With the Fibersim interface, Altair HyperWorks users will be able to read the draping and ply data in Fibersim, apply it directly in the analysis of the composite structure and close the loop by providing feedback to the designer.

"This capability will greatly assist the composites analysis engineer, who now will be able to easily read the Fibersim data that contains information needed for an accurate composite analysis," said Robert Yancey, Altair's senior director of global aerospace and marine. "This will be particularly important in analyzing curved composite panels, where the draping and ply angle information is critical."

This interface paves the way toward using the draping and ply data in Altair's composite optimization process. This capability will allow an engineer to include manufacturing constraints, provided by Fibersim, in the optimization problem set-up and add to the manufacturing constraints already provided in [OptiStruct](#), the structural optimization software in the HyperWorks suite.

 [Click here to return to Contents](#)

## ***CADENAS PARTsolutions Extends Relationship with PTC® and Delivers World's Largest Online Catalog of PTC® Creo® CAD Models***

10 June 2013

CADENAS PARTsolutions announced the launch of the new PARTcommunity for PTC, offering the world's largest online catalog of CAD models in native formats of PTC® Creo® design software. The community portal gives mechanical design engineers instant access to configure and download millions of certified native 3D models from over 400 industrial supplier catalogs, at no cost to the engineer.

"The launch of PARTcommunity for PTC marks another giant stride in providing our PTC Creo

# CIMdata PLM Industry Summary

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customers with the best tools and resources to help make their jobs easier,” said Brian Thompson, VP Product Management, PTC. “CADENAS helps us deliver the exceptional value our customers have come to expect.”

Engineers can search supplier catalogs for the exact component part they need, configure product options, see an interactive 3D preview and then download the model for insertion into their PTC Creo environment.

“These capabilities save engineers a significant amount of time and cut down on design cycles,” said Walter Leder, VP of CADENAS. “It’s all about the total customer experience. That’s a philosophy we share with PTC and we look forward to continuing to work with the PTC team to provide the best solutions to engineers everywhere.”

In addition to the online engineering portal, CADENAS will also be working closely with PTC to deliver additional complementary solutions.

 [Click here to return to Contents](#)

## ***Cadsoft Corporation Releases Envisioneer 9***

11 June 2013

Cadsoft Corporation, developer of Building Information Modeling (BIM) software for the residential and light commercial construction industry, is proud to announce the release of Envisioneer 9.

Envisioneer 9 delivers on productivity enhancements and improved functionality that will reduce the time taken to complete your projects as well as providing new presentation tools to sell your ideas faster and easier. This exciting new release is the next major edition of the easiest-to-use, most comprehensive BIM solution for the residential design, construction, and building materials supply chain.

Brad Finck, Cadsoft’s Vice President of Business Development, states: “Envisioneer 9 takes a significant leap forward in residential Building Information Modeling. Our focus for Envisioneer 9 is a balance between satisfying demands from our clients in the building material supply business and significantly improving productivity and visualization capabilities for our designer, builder and remodeler customers. We are very pleased to be able to offer this next evolution of Envisioneer to meet the business needs of the construction professional”.

Key features include:

- An entirely new 3D RealView rendering technology delivers a major leap in global illumination and ray tracing quality

# CIMdata PLM Industry Summary

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- A new relationship manager for BIM-to-layer functionality, for more flexible and finite control over the appearance of your drawing worksheets
- Newly improved PDF PlanTrak feature, for better support of large format PDFs for onscreen material takeoff capabilities
- Enhanced wall, roof, floor and ceiling framing members which publish richer data for quantity takeoff and assemblies
- Vastly improved material list reporting capabilities
- New catalog management tools for creation, editing and organizing BIM data
- A new catalog search function for SKU lookup on the fly
- Improved support for read/write AutoCAD DWG file format
- Industry Foundation Class (IFC) export support

Envisioneer 9 is available immediately through the worldwide Cadsoft Business Partner Network. A complete list of new features can be found at [www.cadsoft.com/V9.php](http://www.cadsoft.com/V9.php).

 [Click here to return to Contents](#)

## ***Dassault Systèmes Announces SolidWorks Education Edition 2013-2014***

14 June 2013

Dassault Systèmes today unveiled SolidWorks Education Edition 2013-2014. This latest version includes new functionalities to simplify complex design tasks, enable students to create models easier and faster, and provide wider connectivity to expand collaboration between users.

Teaching guides and lessons are also available to provide educators with additional support for developing Science, Technology, Engineering and Mathematics (STEM) curriculum. In addition, qualified schools are given SolidWorks Student Edition licenses at no charge for use by their students. Schools with a SolidWorks Education subscription can also administer the Certified SolidWorks Associate (CSWA) exam to their students. More than 6,400 students were certified in the last year alone and the recognition is considered a major asset in a job search because it effectively validates student expertise to prospective employers.

Dassault Systèmes provides an array of support tools to ensure design projects are successfully executed. Students now have access to My.SolidWorks, to help them increase their professional skill set and gain insight and expertise from the SolidWorks Community.

“Technical skills are critically important for career development in the 21st century and we felt it was crucial to provide students with services and technology in the classroom that would prepare them for the real world,” explains Kieran Flannery, a teacher at Castletroy College in Limerick and a regional development officer for t4 Technology Subjects Support Service. “The Irish Department of Education

# CIMdata PLM Industry Summary

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and Skills searched for an educational tool to execute its mission and turned to SolidWorks. Through its ease of use and support capabilities, SolidWorks Education program is enhancing teaching and learning, and in a short period of time has already dramatically improved technology education in Ireland.”

Powered by Dassault Systèmes’ 3DEXPERIENCE platform, the new education edition includes the following enhancements:

- SolidWorks Plastics -- provides students the insight to predict and avoid manufacturing defects during the earliest stages of plastics part and injection mold design.
- SolidWorks Simulation Premium -- makes it possible to easily subject designs to the same conditions that they’ll experience in the real world.
- SolidWorks Flow Simulation -- takes the complexity out of flow designs by allowing students to visualize fluid flow and compare analysis results between multiple design configurations.
- SolidWorks Sustainability -- evaluates the financial and environmental impact of a design decision during the development process.

SolidWorks’ newest product, SolidWorks Electrical, is also part of this version. SolidWorks Electrical enables students in engineering, robotics, and other disciplines to create electrical projects starting with 2D system schematics and ending with 3D routing and cabling interconnecting components.

“Preparing future designers and engineers with high quality science, technology, engineering and mathematics education is a core part of our 3DEXPERIENCE strategy,” said Philippe Forestier, Executive Vice President, Global Affairs & Communities, Dassault Systèmes. “More than 25,000 secondary schools and universities worldwide rely on the SolidWorks Education Edition to engage the next generation. We look forward to seeing how these students leverage the applications to make a difference in the world, addressing global challenges like sustainability, clean water and air.”

“We are passionate about providing our community of designers and engineers at every level with the means to expand their abilities through formal training, certification and informal connections with other users,” said Bertrand Sicot, CEO, SolidWorks, Dassault Systèmes. “The latest release of SolidWorks Education Edition helps prepare the next generation of design leaders for their future successes with the tools to allow them to immediately contribute.”

SolidWorks Education Edition 2013-2014 is currently available through local resellers. For more information, visit: [www.solidworks.com/education-edition-2013-2014](http://www.solidworks.com/education-edition-2013-2014)

 [Click here to return to Contents](#)

***Dassault Systemes Launches "Target Zero Defect," a New Industry Solution Experience for Developing Vehicles Right the First Time***

11 June 2013

# CIMdata PLM Industry Summary

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Dassault Systemes today announced the launch of "Target Zero Defect," an industry solution experience providing an integrated and open collaborative environment tailored to enable zero defects across the entire product development process. Target Zero Defect helps reduce risk for OEMs and their suppliers associated with introducing new products, as well as the potential for costly recalls.

Today's vehicle manufacturers and their suppliers must introduce new technologies and functions faster, while facing increasing vehicle and development process complexity. Global vehicle platforms require localized modular design and assembly strategies, further complicating development and manufacturing processes for both OEMs and suppliers. Connecting and managing all OEM and supplier stakeholders in a collaborative business platform enables a company to detect potential mistakes sooner, and thus lower its development costs. Yet, the reality is that many processes are still disconnected.

Target Zero Defect provides a global approach to capture and leverage existing corporate knowledge, connecting design, engineering and manufacturing disciplines across a company's entire ecosystem of partners and suppliers into a dynamic, collaborative product creation environment. It includes high performance virtual design and simulation in all stages of product creation from conceptual design to virtual manufacturing, including all domains such as chassis, powertrain, and body & interior. A cornerstone of Target Zero Defect is its systems engineering capabilities that enable virtual design, simulation and validation of complex vehicle systems and components.

"At Tesla Motors, we depend on everybody to be as creative and productive as possible. Part of the power of the 3DEXPERIENCE platform is its ability to allow everybody involved in the product development process to focus on being creative and productive rather than focusing on the process and tools," said Paul Lomangino, Engineering Tools Director, Tesla Motors. "The ability of the 3DEXPERIENCE platform to handle the complexity both in our product and our process as we move forward is very important. Its ability to unify multiple organizations under one banner and bring them all together within a common solution will help us immeasurably going forward."

"Instead of corrective action to solve defects, the industry needs to eliminate them upfront by capitalizing on institutional knowledge and tracking costs," said Monica Menghini, Executive Vice President, Industry & Marketing, Dassault Systemes. "This is about creating a holistic view of your business to improve the entire development process. Tesla is an incredible success story based on daring innovation with real profitability and we are proud to be part of this achievement."

For more information on Dassault Systemes' industry solution experiences for Transportation & Mobility, visit: <http://www.3ds.com/solutions/transportation-mobility/industry-experiences/>.

 [Click here to return to Contents](#)

***DTE Launches CATIA Skills Assessment Service***

10 June 2013

# CIMdata PLM Industry Summary

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Desktop Engineering (DTE) announced the launch of a new service which will enable individuals to benchmark their knowledge of CATIA against a worldwide average. Prior to undertaking DTE CATIA training courses, tests are now available which will enable businesses to understand where skill gaps exist in their teams. This allows DTE to offer tailored courses for individuals and groups to ensure that any scheduled learning is targeted and maximises investment.

Geoff Haines, managing director at DTE, said: “Far too often training courses are generic and concentrate on material that the trainee is already competent on. The service we offer eliminates that possibility by testing the individual prior to taking the course. This enables us to customise our content and develop individual learning plans and company specific training programmes. Once the course has been completed, we can then measure individual knowledge improvements. In addition, the score you receive can be compared to a global test average providing you with an insight into how skilled your team actually is.”

The ‘precision learning’ tests are self-assessment and are presented in a multiple choice format. The exercises cover key CATIA V5 concepts such as User Interface, Sketcher, Parts, Assembly Design, Knowledgeware and Surface Design. Importantly, performance tests are available post training to analyse student and group progression. The CATIA V5 Mechanical Design test is 1 hour long and contains 50 questions, the CATIA V5 Hybrid Design Essentials test is 1 hour long and contains 60 questions. More in-depth assessments are available on request.

DTE is a member of Dassault Systèmes Education Partner Program+ (EPP+) which enables it to train Dassault’s major accounts in the UK. To meet the EPP+ criteria set out by Dassault, all of DTE’s trainers have taken and passed relevant certification tests. DTE courses are trainer-led and include instruction and demonstration of all relevant commands and functionality. The exercises are structured and designed to ensure that the user has to think about how to employ the functionality and techniques taught. All courses are progressive so that skills can be enhanced to the highest levels in a systematic way.

To discuss your CATIA skills assessment requirements in more detail email DTE at [info@dte.co.uk](mailto:info@dte.co.uk)

 [Click here to return to Contents](#)

## ***Electric Cloud Extends ElectricDeploy Integration for PTC Integrity™***

10 June 2013

Electric Cloud®, a software delivery solutions company, announced a number of enhanced capabilities to the existing integration between ElectricDeploy and PTC Integrity™. A member of the PTC® PartnerAdvantage™ Program, [Electric Cloud](#) has worked closely with [PTC](#) over the last year to add new functionalities to the integrated software solution.

## CIMdata PLM Industry Summary

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The enhanced integration between PTC [Integrity](#), the leading ALM (Application Lifecycle Management) solution, and Electric Cloud's deployment and release automation solution will provide customers with an enterprise-grade offering for developing, building, testing, releasing, and deploying applications faster and with higher quality.

"With the ever-increasing need to deliver high-quality applications faster and more consistently, Electric Cloud provides an effective integrated solution for PTC Integrity users to help reduce errors and improve the application release and deployment process," said Doug Akers, Vice President, Product Management, PTC. "We are excited to deepen our working relationship with Electric Cloud and look forward to continued joint development efforts."

The enhanced integration supports incremental deployments, which minimizes risk by reducing the number of changes deployed and accelerating build-test cycle times. Customers will also benefit from improved audit capability by maintaining date timestamps of deployed artifacts, as well as native language support for international users.

"With our continued focus on the software release and deployment automation market, we are very pleased to extend our relationship with PTC," said Steve Brodie, CEO of Electric Cloud. "Our joint customers can leverage the enhanced integration to deploy high-quality applications with greater speed and efficiency and deliver true business value."

Built on Electric Cloud's award-winning [ElectricCommander](#) release automation platform, ElectricDeploy automates and standardizes application deployments across all environments — Dev, QA, pre-production, and production — by modeling application, related environments, and processes. Last October, PTC notified customers of the decision to end-of-life its MKS Deploy solution and selected Electric Cloud to provide its customers with a migration path to the innovative technology offered in ElectricDeploy.

 [Click here to return to Contents](#)

### ***EON Reality Now Supports Revit via EON Raptor***

11 June 2013

EON Reality announced their support for Autodesk Revit, a Building information modeling software for architects and engineers. It allows users to design a building and its components in 3D, annotate the model with 2D drafting elements and access building information from the building models database. A user-configurable 3ds Max script is then used to map the render materials to EON-compatible materials, before the model is finally exported to EON software via the EON Raptor plugin.

With EON Reality's improved workflow for getting architectural 3D models built in Revit 2013, users can now quickly create interactive content for the EON Reality display systems that include EON Ibench, EON Icatcher and the immersive EON Icube system.

# CIMdata PLM Industry Summary

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With 3ds Max 2013 using the new direct support for Revit 2013 and EON Reality's free Plug-in for 3ds Max, EON Raptor can now export the 3D model directly to all EON Reality's authoring tools and display systems. The plugin can handle a wide range of materials used in Revit, including Architectural Material, ProMaterialsV2, and MentalRay.

"By using the new support within EON Raptor we can now take our architectural models from Revit to the EON platform and visualize it in the EON Icube immersive system much quicker," said George Matos, Chief Technology Officer, Chipman Design Architecture Inc.

 [Click here to return to Contents](#)

## ***Five-GPU BOXX Workstation earns CATIA Certification***

11 June 2013

BOXX Technologies, the innovator of high-performance computer workstations and rendering systems, announced that their five- GPU [3DBOXX 8950](#) workstation has achieved CATIA® certification, joining an elite group of workstations certified by Dassault Systèmes to run its CAD/CAM/CAE commercial software suite. The occasion also marks the first time a computer workstation featuring more than two GPUs has earned such certification. Strategically partnered with Dassault Systèmes, BOXX is a designated SolidWorks Solution Partner, and leading manufacturer of CATIA and SolidWorks-certified workstations.

"At BOXX, we are committed to helping engineers and designers work faster and more efficiently," said Shoab Mohammad, BOXX VP of Marketing and Business Development. "If you rely on CATIA, ENOVIA V6, SIMULIA, or other professional engineering applications, the multi-GPU performance of the CATIA-certified 3DBOXX 8950 will help you reduce costs while substantially improving completion times."

Featuring four dual-slot graphics, coprocessor, or accelerator cards (NVIDIA Maximus technology), three additional PCI-E slots, dual eight-core Intel® Xeon® E5-2600 processors, liquid cooling, and 512GB system memory, the versatile 3DBOXX 8950 delivers high-powered performance for advanced visualization, simulation and computation. The system certified by Dassault Systèmes for CATIA includes one NVIDIA Quadro K2000 and four NVIDIA Tesla K20 cards.

"Whether it's interacting with applications while running simulations, or designing while renders run in the background, NVIDIA Maximus technology in the 3DBOXX 8950 workstation enables users to increase productivity and meet critical project deadlines by multitasking more effectively," said Sandeep Gupte, Senior Director, Product Marketing, NVIDIA.

In addition to CATIA, 8950 is also an ideal workstation platform for ENOVIA V6 (a collaborative PLM application that allows companies to share and manage engineering and analysis data) and

# CIMdata PLM Industry Summary

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SIMULIA Abaqus6.12 (a complete analysis solution for performing virtual tests with realistic simulation). 3DBOXX 8950 will demonstrate both of these Dassault Systèmes applications inside the Mecanica booth (#5619), at the Gas & Oil Expo 2013, at Stampede Park in Calgary, Alberta, Canada, June 11-13. Offering a wide range of products, services, and industry expertise, the expo attracts 500 North American companies and over 20,000 attendees.

For further information and pricing on the 3DBOXX 8950, contact BOXX at 1-877-877-2699. Learn more about 3DBOXX workstations, BOXX rendering solutions, BOXX Finance options, and how to contact one of their worldwide resellers, by visiting [www.boxxtech.com](http://www.boxxtech.com).

 [Click here to return to Contents](#)

## ***GENOA, MCQ-Composites to Join Altair Partner Alliance Composites Lineup***

12 June 2013

The [Altair Partner Alliance](#) today announced the addition of its sixth composites partner, [AlphaSTAR Corporation](#) (ASC). HyperWorks users can now access its multi-scale progressive failure analysis (MS-PFA) software, GENOA, as well as the Material Characterization and Qualifications (MCQ) Composites Suite. GENOA and MCQ are applicable in many industries, including aerospace, automotive, wind energy and sporting goods.

"We are very pleased with the addition of AlphaSTAR to the Altair Partner Alliance," said Dr. Robert Yancey, Altair Sr. Director – Aerospace for Altair. "AlphaSTAR has been involved in composites analysis and design for many years, and it will add advanced technologies and expertise to our Partner Alliance. We have already worked with ASC for key customer projects in the past, and we look forward to more collaboration in the future."

GENOA is an engineering software suite that performs material characterization qualification, durability and damage tolerance (D&DT), and reliability prediction for structural design and analysis of composites structures. It augments the limitation of commercial finite element analysis (FEA) packages by providing multi-scale (micro-macro) PFA capability. GENOA was developed to cost effectively predict strength and time-dependent reliability and durability of structural components during the design stage, and to reduce experimental testing support. With the ability to predict damage and fracture evolution as well as end of life of many types of composites, GENOA takes laminated composites with either continuous or short fibers from micro-mechanics to the structural level, while considering the various operational and environmental conditions.

MCQ-Composites, the second tool available from AlphaSTAR, predicts composite material properties, considering both fiber and matrix uncertainties. It is designed to characterize and qualify material properties that can be used as input for FEA of simple or complex structural components. MCQ allows the user to quickly generate relevant information for a given material, whether it is a composite, hybrid, or ceramic material system. MCQ provides a library of fiber, matrix and ply properties that can be easily

## CIMdata PLM Industry Summary

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expanded or modified for application to FE analysis. In addition, it can effectively predict fiber, matrix and composite/sandwich laminate properties, as well as stress-strain curves, ply behavior and more.

"GENOA and MCQ work together to provide users an accurate and powerful composites analysis solution," said Dr. Anil Mehta, AlphaSTAR's Vice President of Business Development. "HyperWorks customers will not only be able to harness the capabilities of AlphaSTAR's software to address their questions about where, when and why their parts are failing, but also how to optimize their design to alleviate those occurrences. By utilizing advanced failure mechanisms, GENOA is able to investigate structural responses from material degradation, caused by damage induced from static, cyclic, impact, power spectrum density (PSD) and thermal loading. GENOA's PFA also is able to account for the effects of manufacturing defects, fiber waviness, springback, residual strength, moisture and temperature. By using GENOA, a wide range of material systems become available, including metals, ceramics, composites and nano composites. We look forward to working with the Altair Partner Alliance to provide the best composites solutions possible, to a broader audience."

HyperWorks users can take advantage of the integration between GENOA and Altair's RADIOSS solver, as well as the integration with OptiStruct, which is currently in process and will be available soon.

Available for the last 12 years, Altair's innovative unit-based licensing system allows [HyperWorks](#) users customizable access to a growing portfolio of applications, optimizing their return on investment (ROI) by making more than 28 in-house developed applications available by use of a single pool of recyclable HyperWorks units (HWUs).

After experiencing this original licensing model's success, Altair has offered the opportunity for third-party companies to run their own applications under this unit-based system, a collaboration now known as the Altair Partner Alliance. The overall flexibility of these HWUs empowers users and allows them access to the largest and most complete suite of CAE applications available, making the benefits to participating HyperWorks customers infinite. The ROI increases for users each time a new application is added to the offering, since any of the partner programs can be accessed using the same leased HWUs they are already using to run HyperWorks. This makes more than 55 additional applications available at no incremental cost or long-term commitment.

HyperWorks users can download GENOA and MCQ Composites at [www.altairalliance.com/alphastar](http://www.altairalliance.com/alphastar). To learn more about AlphaSTAR, GENOA or MCQ, please attend one of the [introductory webinars](#), being held on June 26, 2013, at 10 a.m. and 2 p.m. EDT. These webinars will be hosted by Altair and presented by AlphaSTAR.

 [Click here to return to Contents](#)

## *GibbsCAM 2013 Released*

12 June 2013

Gibbs and Associates, developer of [GibbsCAM](#)<sup>®</sup> software for programming CNC machine tools and a Cimatron company, today announced that it has released the newest version of GibbsCAM NC programming software, GibbsCAM 2013. This new version includes enhancements to the entire suite of GibbsCAM software to improve efficiency and profitability. Two new options have been added to the software suite as well, 5-Axis MultiBlade and 5-Axis Porting.

GibbsCAM 2013 includes many software enhancements, mostly focusing on increasing the efficiency of part programming and the efficiency of machine run time. Enhancements include:

- **Mill Feature-** Allows the user to assign certain machining attributes directly to part features. This allows users to save and reuse Knowledge Based Machining (KBM) information for best practice machining on families of parts. New parts and part changes are handled quickly and easily by a single mouse click.
- **Lathe Threading/Thread Whirling-** Users can now define lathe threads from any valid shape, including shapes that contain arcs or splines. Post processors can be upgraded to support native arc threads (G35 and G36) for a more efficient NC program.
- **Surface Flow-** Improved machining strategies for solids machining include an improved algorithm that smoothly handles most nonplanar fillets and other blended faces, resulting in better surface finish and more efficient NC code.
- **Geometry Shape Combine-** New functionality allows users to manipulate shapes that can be combined through Boolean operations such as union, subtraction, and intersection, trimmed, or broken into segments.
- **Profiler modes-** The Profiler now has increased functionality allowing users to slice spun bodies, silhouettes, and cylinders.
- **Lathe Plunge Roughing-** Improvements to Lathe Plunge Roughing result in toolpaths that remove more material in less time with improved tool wear.
- **Drilling and Thread Milling Patterns-** Users can now place Drilling and Thread Milling in patterns. Pre-mill drilling of patterned milling operations will pick up the pattern automatically.
- **Pocketing Improvements-** Several improvements to Pocketing continue to improve the efficiency of the program, including features such as “Outermost Shape As Boss” and improvements to mixed-shape pocketing with smarter entry and exit moves.

The new **5-Axis MultiBlade** option targets the machining of turbo machinery parts. It simplifies the programming of impellers, blisks and blings with specialized functions that include roughing, blade finishing, hub finishing, splitter, sub-splitter and wall finishing, and extension and control of leading and trailing edges.

A new **5-Axis Porting** option provides specialized functionality for the machining of hollow shapes that have significantly different shapes or sizes at each open end or have a significant amount of curvature

# CIMdata PLM Industry Summary

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from one end to the other, including engine ports, manifolds, and throttle bodies. This dedicated new option simplifies the creation of these highly complex shapes with faster programming time, a cleaner, more efficient toolpath and more efficient machine times.

“We are pleased to release GibbsCAM 2013,” said Bill Gibbs, founder and president of Gibbs and Associates. “We have worked hard to provide our customers with a robust group of enhancements that will help them become more profitable by increasing the efficiency of not just their NC programming, but also improving their machine run times. We have listened to what our customers want and need, and these are just the types of enhancements that customers need to stay competitive in today’s economy.”

 [Click here to return to Contents](#)

## ***iBASEt Introduces Integration Package for PTC Creo and PTC Windchill with Solumina’s Product Lifecycle Execution System***

10 June 2013

iBASEt, the developer of Solumina Product Lifecycle Execution software suite, announced today that it will release a new off-the-shelf integration package for PTC® Creo® design software and PTC® Windchill® content and process management software with Solumina’s Manufacturing (MES), and Maintenance, Repair and Overhaul (MRO) software solutions. The scope of the integration includes Engineering Change Notice (ECN), bills of material, process plans and 3D illustrations via PTC Creo View™ visualization software.

This is another milestone in iBASEt’s commitment to support the direct integration of engineering change processes from CAD and PLM suites to ensure that as-designed and as-built configurations always match – a requirement in regulated industries like aerospace, defense and medical devices.

“Between the suite of products offered by PTC and iBASEt, we can map an entire set of solutions to help comply with Quality Management System requirements in ISO9001, AS9100 and ISO13485,” said Michel Gadbois, Vice President at iBASEt. “Requirements and design management are handled by the engineering PLM system, and design specifications flow into Solumina for the definition of supply chain inspection requirements, manufacturing processes and maintenance procedures.”

 [Click here to return to Contents](#)

## ***IMAGINiT Technologies Launches Civil 3D Health Check***

13 June 2013

[Rand Worldwide](#) today announced that its [IMAGINiT Technologies](#) division has launched their [Civil 3D Health Check](#) service. This unique analysis performed by IMAGINiT experts is an in-depth investigation into an organization’s processes using [Autodesk AutoCAD Civil 3D](#). The Health Check aims to provide companies with a proven path to collaborative workgroup productivity.

# CIMdata PLM Industry Summary

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“IMAGINiT’s global team of experts not only understand the mechanics of the software, but more importantly the workflow, training, and customizations that can be done with AutoCAD Civil 3D,” says Bill Zavadil, senior vice president of worldwide services, IMAGINiT Technologies. “With the sole objective being enhanced team productivity, our Health Check service is used to quickly and effectively evaluate an organization’s current working environment and their utilization of Civil 3D. This analysis generates an actionable report outlining what our customers can do to take technology, processes, and profitability to the next level.”

Oftentimes companies implemented Civil 3D because it was needed to win a bid, but employees were left scrambling to learn the tool while working on a billable project. For firms that have been using Civil 3D from the beginning, they may be using old processes and workflows that could be evolved to make workflows more efficient and streamlined. In many cases firms know that they could be doing things more efficiently and effectively but they simply don’t know where or how to start. IMAGINiT’s experts help to identify the symptoms and recommend solutions. For a brief overview of IMAGINiT’s Civil 3D Health Check process, [watch this video](#).

During a Civil 3D Health Check, three fundamental areas are analyzed.

**People:** Individual team members are interviewed to assess their understanding of Civil 3D and existing skills. This identifies specific areas where skill levels can be improved through training. Results of this analysis are measurable and can demonstrate an actual return on investment for personnel investments.

**Process:** Data sharing, project workflows, and data management are examined to determine strengths and areas of weakness. By looking at how project data flows through the complete life of the project, this analysis ensures data stability is maximized and data duplication is minimized.

**Technology:** The Health Check team also uses a qualitative review to evaluate CAD standards, styles and settings including current utilization of the software against industry best practices. Reviewing key questions such as whether required styles exist and how they are built, identifies areas where templates can be improved or customized to positively impact workflows.

After assessment and analysis, the IMAGINiT Health Check team generates a report with a list of the top items that organizations can improve upon immediately, as well as additional prioritized actions focused on the longer term. This allows teams within companies using Civil 3D to explore design options more easily and efficiently, analyze project performance, and deliver consistent, higher quality information. With more efficient processes and streamlined workflows, collaboration is increased, and projects are completed faster with less billable hours and fewer project over-runs.

For more about this Civil 3D Health Check offering, visit [imaginit.com/civil3dhealthcheck](http://imaginit.com/civil3dhealthcheck) or [watch this brief video](#).

 [Click here to return to Contents](#)

## ***Luxion and GrabCAD Partnership Introduces Integration Between Platforms***

13 June 2013

Luxion, makers of KeyShot<sup>®</sup>, and GrabCAD, today announced the partnership between the two companies that connects KeyShot and GrabCAD to allow the seamless transfer of data between the two platforms.

With KeyShot, GrabCAD users have the ability to quickly create photorealistic 3D renderings, animations and interactive visuals to compliment the 3D files they share in the Community or the private projects they collaborate on with GrabCAD Workbench. This is extended even further by the wide variety of 3D file formats that both KeyShot and GrabCAD support, with tight integration to import, view and render 3D data. This partnership establishes the additional ability for users to connect to their GrabCAD account from KeyShot to publish 3D renderings of their models, saving time and improving the efficiency for GrabCAD members.

### **How it works**

Within KeyShot, a new option under *Edit, Preferences, Plugins* is now available. When a user activates this plugin, they will be prompted to log into GrabCAD allowing authorization to connect to the GrabCAD users' account. After a rendering is created, the user may select the image(s) they wish to upload from the KeyShot Library *Renderings* tab, right-click and select *Publish to GrabCAD*. The user has the option to publish the image(s) to the public Library or private Workbench. Once published, the user will be taken to the GrabCAD project in their web browser. Initially, this functionality allows direct publishing of a rendered image to a GrabCAD Project or Workbench, with the ability to import models directly into KeyShot coming later in 2013. A video of the functionality can be viewed [here](#).

"We are very pleased to take our involvement with Luxion to the next level with this partnership", said Rob Stevens, GrabCAD VP Sales & Marketing "KeyShot is the most popular software in the GrabCAD community for creating photorealistic images. This integration makes publishing 3D rendered images even easier for GrabCAD engineers and designers to show off their great work."

"GrabCAD is the key place for engineers to find content and collaborate with partners." Thomas Teger, Vice President of Products and Strategy at Luxion. "Allowing KeyShot users to quickly move projects to both the public Library and private Workbench projects will make it even easier for them to integrate high quality renderings in their work."

### **Pricing & Availability**

This integration will be available shortly within KeyShot 4.1 at no charge. Users on subscription can update to KeyShot 4.1 free of charge with full licenses able to be purchased at [keyshot.com](http://keyshot.com), along with Luxion's patent-pending add-on applications, KeyShot Animation and KeyShotVR.

 [Click here to return to Contents](#)

## ***Luxion Unveils KeyShot 4.1 at PTC Live Global 2013***

10 June 2013

Luxion is pleased to announce KeyShot 4.1 debuting live at PTC Live Global in Anaheim, California June 10th-12th at the Anaheim Convention Center.

With KeyShot 4.1, Luxion continues to build on the rich features delivered in the release of KeyShot 4. User interface improvements, LiveLinking between KeyShot and 3D modeling applications, physical lights, color libraries and advanced Pro features like view sets and render passes are just a few of the features added within KeyShot 4 to increase both the speed in rendering and the flexibility in creating visuals for all 3D professionals across the fields of engineering and design. This focus continues in 4.1 with major release level features that both compliment and enhance the growing feature set, making Luxion's internally developed rendering technology the fastest, most accurate 3D rendering and animation system available.

### **New KeyShot 4.1 Features and Updates**

Coming to KeyShot 4.1, Luxion is introducing major new features and enhancements that allow new ways to present 3D visuals.

Focused caustics add the ability for users to accurately represent light passing through materials with speeds in the realtime render environment that allow the user to see both the results of the light's reflection or refraction immediately. Users can quickly toggle focused caustic on or off in the KeyShot Project Settings.

Procedural textures is a new texture option with a variety of material appearance to create seamless textures across any surface. Through a simple selection on the material textures tab, users can define both type of procedural texture to use with an array of options specific to each. Six presets will come with KeyShot 4.1 including granite, leather, marble, noise (textures), noise (fractal) and wood.

Toon shading is a new non-photorealistic material type that allows users to apply solid colors, solid shading and contours to objects for a flat, cel shading appearance for use in concept presentation or illustration. Since it is a material type and not a render mode, it can be used along with other materials and comes with a wide array of settings for both shading and contour options.

All three of these features are activated through simple selections in the KeyShot user interface making it easier than ever to create the stunning images users desire. For a complete list on new features email [info@luxion.com](mailto:info@luxion.com).

### **Realtime Network Raytracing**

# CIMdata PLM Industry Summary

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Along with the new features in KeyShot 4.1, Luxion will also be demonstrating its new Realtime Network Raytracing technology. Through its powerful CPU-driven rendering engine, KeyShot is able to utilize all CPU cores within a computer without the need for any special graphics card. This advantage also allows for multiple networked CPU's to be used with the KeyShot Network Rendering product and now the same advantage is coming to the KeyShot realtime rendering environment. Realtime Network Raytracing utilizes computers on the network to build the realtime rendering array. Users will select the additional computer resources to use. The scene will then push the scene to the network with the slaves all working together in a realtime state. This will allow users to perform interactive design reviews of the most complex and detailed in realtime.

## **Availability**

Currently in private Beta, KeyShot 4.1 will be available Summer of 2013. For information on the KeyShot 4.1 Beta program please email [beta@luxion.com](mailto:beta@luxion.com). KeyShot 4 is currently available for purchase here with a free update to KeyShot 4.1 on all new purchases. For media interested in reviewing the new version of KeyShot, please contact [josh@luxion.com](mailto:josh@luxion.com).

## **Meet them at PTC Live Global 2013**

Meet them at PTC Live Global in Anaheim, California to see the new features coming to KeyShot 4.1. Live demonstrations will be held daily, June 10th through June 12th at booth #540 in the Solutions Expo (hours and information). Information on other Luxion products, Luxion's reseller program, education opportunities and special upgrade offers will also be available.

 [Click here to return to Contents](#)

## ***NetIDEAS Now Hosts PTC® Windchill® Quality Solutions***

10 June 2013

NetIDEAS, Inc. (NetIDEAS) announces the addition of PTC® Windchill Quality Solutions™ to its offerings of PTC products hosted on their private, secure managed infrastructure.

As a leading provider of hosted PTC Windchill PDMLink® software and PTC Windchill ProjectLink™ software, NetIDEAS is uniquely positioned to successfully manage its customers' PTC Windchill Quality Solutions and help them reach their business quality goals as efficiently as possible.

"Our thirteen-year relationship with PTC has resulted in thousands of users worldwide who trust NetIDEAS' highly available and secure hosting infrastructure to meet their PLM needs," said Tom Rassmann, NetIDEAS President and CTO. "We are extremely excited to host PTC Windchill Quality Solutions. By providing an integrated PTC Windchill® hosted solution our customers can effectively manage product changes and build quality, reliability and safety controls into every aspect of their product lifecycle."

NetIDEAS' approach, Think Big... Start Small... Scale instantly...(SM) combines years of product implementation, hosting and support services to provide customers with a total solution that is quickly deployed and supported. "We offer several deployment models which cover a range of pricing, configuration options, and integrations with other enterprise applications. Companies of all sizes can find a solution that helps them get started in a way that meets today's business needs, but also has a growth path they can leverage as their business evolves," said Rassmann.

 [Click here to return to Contents](#)

## ***Nemetschek Scia Releases Scia Engineer 2013 - Reporting Engineering Competence***

13 June 2013

Nemetschek Scia announced today the release of Scia Engineer 2013. This latest version of Scia Engineer continues the company's commitment to integrate cutting-edge technologies into their 3D structural design software.

In addition to a number of productivity and interface improvements, Scia Engineer 2013 introduces an innovative Engineering Report which simplifies the creation of professional calculation reports, launches a ground-breaking Open Design Check technology allowing engineers to easily write customized checks that can run as standalone or as linked to Scia Engineer, and significantly improves its seismic analysis capabilities.

### **Engineering Report**

Scia Engineer 2013 offers an innovative Engineering Report, which allows engineers to easily layout professional reports according to their company standards. Features include:

- Full multi-processing support for higher speed and better utilisation of available memory.
- The ability to copy and paste from any Windows application into the Engineering Report.
- Easy publishing and sharing of Engineering Reports as 3D PDFs, MS Office documents or web formats.
- Clean and modern ribbon-based UI.
- All documents related to a project (project data, calculated results, model images, external images and reports, etc.) are centralized into a single file for easy management.

### **Open Design Checks and Scia Design Forms**

Scia Engineer also introduces the Open Design Check technology. A new standalone application named Scia Design Forms enables engineers to easily write their own calculations. Checks created with Scia Design Forms can be run as standalone, or linked to Scia Engineer. Linked to Scia Engineer, the results obtained in the Design Forms are displayed in the code checking environment, allowing engineers to use the full visualisation capabilities of Scia Engineer.

### **Additions to Seismic Analysis for Buildings**

# CIMdata PLM Industry Summary

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Scia Engineer 2013 integrates a new Improved Reduced System (IRS) method to its solver, which calculates results up to 10 times faster than before. Output of seismic results has been extended and simplified. For example, in Scia Engineer 2013, all relevant results for seismicity can be easily displayed - from resultant shear forces in walls, to global results for each storey.

## Other important enhancements

- Extended bridge combinations + checks according to the Eurocode
- Brazilian NBR concrete code for beams & columns
- Timber check according to EN-1995 for tapered and curved members
- Storey results for static and dynamic analysis
- Enhanced calculation of torsional and shear cross-section characteristics
- Wizard for reinforcement schemes
- Improvements in IFC support, in addition to its IFC 2x3 certification renewal
- Cloud storage directly from within Scia Engineer
- A new version of ECtools with better integration within Scia Engineer

## Learn More

- Visit the release website [2013.scia-engineer.com](http://2013.scia-engineer.com) for the complete release notes.
- Read the What's new in Scia Engineer 2013 brochure (PDF): <http://2013.scia-engineer.com/en/sciaengineer2013-downloads.html>

 [Click here to return to Contents](#)

## *New PTC Retail PLM Solution Enables Customers to Achieve Quicker Time to Value*

11 June 2013

PTC today announced its new [PTC® Retail PLM Solution](#) developed specifically for the requirements of companies in the retail, footwear and apparel industry and built on the [PTC Windchill® FlexPLM®](#) product lifecycle management (PLM) solution for that industry. The optional PTC® Value-Ready Deployment™ offering provides industry best-practices and implementation services to enable customers to rapidly deploy and quickly realize value.

Companies are implementing [PLM solutions](#) to fuel growth and improve margins in today's globally competitive economy. For [retailers](#), delivering innovative, trend-right products to the market faster has become a business imperative. Maintaining high quality products, building a competitive edge and generating consistent profit margins continue to be essential. The PTC Retail PLM Solution was developed to address these specific challenges faced by companies across the retail, footwear and apparel industry through its out-of-the-box solution to help them realize business benefits faster.

# CIMdata PLM Industry Summary

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"Retail organizations are looking to increase their creativity for new product offerings, improve profit margins and leverage new channels and markets like never before," said Howard Heppelmann, senior general manager supply chain segment, PTC. "We have a decade of experience working with some of the most successful and innovative retail organizations. Based on this experience, we have developed the PTC Retail PLM Solution to help companies quickly achieve maximum value from the retail industry's most comprehensive, market leading PLM system. This solution enables retail, footwear and apparel companies to focus resources on creating competitively advantageous offerings that enhance the bottom line."

The PTC Retail PLM solution will offer three different PTC Value-Ready Deployments for each of the separate retail, footwear and apparel segments. These deployment offerings capture the distinct best practices within each industry and will enable organizations to stay on-trend, on-time and on-cost. These best practices are based on PTC's experience working with and implementing PLM technology with market-leading companies across the retail industry.

 [Click here to return to Contents](#)

***New Release of Moldex3D eDesignSYNC Unveils Enhanced CAD-CAE Platform for PTC Creo Users***  
10 June 2013

CoreTech System Co., Ltd. (Moldex3D), the provider of "True 3D" injection molding simulation solution, announces enhancements to the newest version of Moldex3D eDesignSYNC R12.0 for PTC<sup>®</sup> Creo<sup>®</sup> design software to deliver a fully integrated CAD/CAE solution comprising all-in-one seamless workflow – going from design, to simulation and analysis – all within a PTC<sup>®</sup> Creo<sup>®</sup> environment. The latest release of Moldex3D eDesignSYNC for PTC Creo makes it easier for PTC Creo designers to directly evaluate the analysis result in a familiar CAD environment and get real-time manufacturability insights to optimize the part geometry.

Expanding its professional plastic troubleshooting capabilities from injection molding simulation to design field, Moldex3D has been dedicated to developing a more accessible and easy-to-use injection molding solution. With Moldex3D eDesignSYNC, designers can synchronize design changes to quickly and directly evaluate the manufacturability in the familiar environment; more than 80% of potential molding issues can be predicted and addressed upfront. "We consider the ability to solve critical molding issues in the early phase of design as one of the key factors for success in current global marketplace," said Venny Yang, President of Moldex3D. "Moldex3D eDesignSYNC for PTC Creo is developed to help designers solve design bottlenecks associated with plastics more efficiently and more cost-effectively."

Building upon the capabilities from the previous releases while adding more innovations, Moldex3D eDesignSYNC R12.0 will upgrade the interface for a more seamless integration with PTC Creo and comprise more advising features. In the new release, users can complete the simulation workflows from component modeling to result, displaying in a single environment, reducing time and enhancing streamlined integration. Through the newly-added slicing and clipping functions, users can visualize

# CIMdata PLM Industry Summary

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analysis results in various dimensions and better realize the variations of injection molded plastics. Additionally, the advisers for cooling time, sink mark, L/t and gate location will guide users to perform early design optimization to avoid repeating the analysis workflow. Users will benefit from the new offerings that deliver better user experience and higher work efficiency.

“The new release of Moldex3D eDesignSYNC R12.0 for PTC Creo fully integrates CAE insights early into the design phase to maximize manufacturability and accelerate design process. The upgraded interface ensures a seamless design-analysis environment, significantly improving cross functional collaboration,” said Michael Campbell, Executive Vice President, CAD segment, PTC.

 [Click here to return to Contents](#)

## ***PTC Creo to be Available in a Virtualized Environment***

10 June 2013

PTC today announced its [PTC Creo®](#) design and analysis applications will be available and supported in a Virtual Desktop environment. Five of the leading apps, [PTC Creo Parametric™](#), [PTC Creo Direct™](#), [PTC Creo Layout™](#), [PTC Creo Options Modeler™](#) and [PTC Creo Simulate™](#), have been verified as Citrix Ready®. Starting with PTC Creo 2.0 M060, these applications will be supported by PTC when running on virtualized desktops on an IBM server through a Citrix and NVIDIA-powered integration. PTC’s support for virtual desktop configurations will enable customers to realize improved performance when working with large assemblies stored on a remote server, while ensuring IP protection of the design data and streamlining administration and deployment of PTC Creo. It will also grant users the freedom to work on a wider variety of operating systems – including mobile – through the Citrix Receiver™ and NVIDIA GRID™ vGPU™ technology.

In design and manufacturing today, customers face increased pressure to reduce IT costs, while improving flexibility and performance. They need to have the ability to get global teams up and running quickly in new locations, and they need all teams to be able to easily access the latest software installation by updating a single server. Virtualization of PTC Creo design and analysis applications can help IT managers accomplish this.

“Some power users experience network bandwidth limitations when they work with their largest assemblies, simply because they need to move a lot of data from a PTC Windchill server to their local workspace. This inefficiency slows the design process for some of our customers’ most proficient users,” said Mike Campbell, Executive Vice President, CAD Segment, PTC. “But now imagine working on huge assemblies in PTC Creo with little to no network latency impacting your part load times because all of the data is right there – potentially on the same server rack as PTC Windchill - and is therefore almost immediately available. You actually have a better user experience than if you tried loading the data across the network to your local machine.”

“We want to thank IBM, Citrix and NVIDIA for collaborating with us in this initial process and we’re looking forward to many other PTC partners certifying their virtualization hardware/software with us,”

continued Campbell.

In addition to the performance edge, running PTC Creo in a virtualized environment offers customers a level of IP protection that is not available with alternate deployment methods. Company data stays on its servers, allowing customers complete freedom to collaborate with external design partners in real time utilizing the same design data. By supporting virtual desktops, PTC also empowers users to use a device of their choice, be it a device powered by Windows, Mac OS X or any of the major mobile platforms as well – iOS, Android, and Windows Mobile. This will add an additional element of flexibility and accessibility for PTC customers by eliminating the need for every member of the extended development team to have a Windows-based device solely dedicated to design or analysis tasks.

## **Certifications and Availability**

The Citrix Ready program helps customers identify third-party solutions that are recommended to enhance virtualization, networking and cloud computing solutions from Citrix. PTC Creo applications completed a rigorous verification process to ensure compatibility with Citrix XenDesktop® with Citrix HDX 3D Pro and an NVIDIA GRID K2 board with two high performance NVIDIA Kepler™ GPUs, providing confidence in joint solution compatibility.

In addition to Citrix verifying PTC Creo applications as Citrix Ready®, PTC has tested and certified the complete virtual technology configuration consisting of PTC Creo 2.0 M060 running on IBM iDataPlex dx360 M4 server, Citrix XenServer™ and XenDesktop with HDX 3D and NVIDIA GRID K2 graphics boards. PTC Creo certification provides customers with assurance that the specific certified configuration has been thoroughly tested by PTC and that PTC expects PTC Creo will run without issue on the certified configuration.

PTC Creo Parametric is running in our first certified configuration at IBM Booth #326.

PTC expects PTC Creo 2.0 M060 will be available in late June. The timing of any product release, and any features or functionality thereof, are subject to change at PTC's discretion.

 [Click here to return to Contents](#)

## ***Rasterex Releases RxView & RxHighlight R14.1***

11 June 2013

Rasterex Software, a leader within document viewing and collaboration, released version R14.1 of their popular desktop viewers for Windows.

**Version R14.1** is a service release which facilitates the major release R14, launched earlier this year. Version R14.1 delivers over 100 different fixes, enhancements and new features, and represents a

# CIMdata PLM Industry Summary

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significant improvement to customers under maintenance contract.

"While version R14 was a major upgrade to support AutoCAD 2013, version R14.1 facilitates this with numerous important fixes and improvements" says Per Christian Lindstad, the CEO of Rasterex Software as. "This time we have had a special focus on new and extended markup features, and strong improvements in the PDF reader".

[RxView](#) allows users to view & print more than 250 different file formats - without the design software installed on the machine. CAD drawings, 3D CAD models, plot-files, PDFs, Office documents, raster images and scanned drawings.

[RxHighlight](#) is the same software installation as RxView, but through the license file, it opens up for advanced functions like redlining, markup, conversion, batch processes and text search & extraction, for collaboration between team members.

To learn more about the new features, fixes and enhancements, visit: <http://www.rasterex.com/Topmenu/News/RxView-RxHighlight-R141.aspx>

 [Click here to return to Contents](#)

## ***Transoft Solutions Announces Worldwide Release of AutoTURN Rail 3D***

12 June 2013

Transoft Solutions, developers of productivity enhancing software for the transportation engineering community, is pleased to announce AutoTURN Rail 3D as their latest addition to the AutoTURN family. Incorporating the trusted AutoTURN engine, AutoTURN Rail 3D gives railway designers and planners the same trusted engineering expertise they have enjoyed for 20 years with vehicle swept path analysis. The software functionality allows users to move from 2D to a 3D environment, providing a clearer picture of the clearance envelopes and how they might interact with obstructions along any rail alignment.

### **Some unique features of the software:**

- Create custom vehicles that reflect manufacturer specifications
- Generate static and dynamic vehicle envelopes dynamically
- Switch back and forth from 2D to 3D vehicle envelopess
- Produce cross section views for clearance analysis

Generate tracking points along vehicle simulations "There's a lot of momentum in building light rail systems across North America and we're very pleased to be a part of it," says Steven Chan, Director of Product Management at Transoft Solutions. "We're known for creating elegant solutions to the

## CIMdata PLM Industry Summary

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challenges that transportation engineers face every day and AutoTURN Rail 3D follows in the footsteps of all our other innovative software products. Only engineers know what engineers need and our technical staff has put a lot of work into developing this new product. We're excited to see it launch today."

Transoft Solutions is also hosting a series of live online presentations of AutoTURN Rail 3D over the next few weeks. During these presentations, a product specialist will guide you through all the latest features and functionality of this innovative railway software package.

Visit [www.transoftsolutions.com/autoturnrail](http://www.transoftsolutions.com/autoturnrail) for more information.

 [Click here to return to Contents](#)

### ***Vectorworks 2013 Software Achieves Certification for IFC Coordination View 2.0***

10 June 2013

Nemetschek Vectorworks, Inc. is pleased to announce that Vectorworks Architect software has achieved certification from buildingSMART International for the BIM data exchange standard IFC 2x3 Coordination View 2.0.

The IFC Certification 2.0 procedure requires BIM software vendors to pass new, more comprehensive and rigorous tests with the intent of promoting consistent and reliable interoperability across all the participating certified BIM programs.

"This certification is one more step in our commitment to supporting Open BIM workflows for our customers," said Sean Flaherty, CEO of Nemetschek Vectorworks. "We understand the importance of offering dependable collaboration in balance with design freedom, analysis tools and documentation capabilities so that all stakeholders in a project can easily work together."

Managed by buildingSMART International, Industry Foundation Classes (IFC) is a neutral exchange format, not controlled by any single software vendor. As such, it provides a robust way to exchange BIM models between various software programs.

With this certification, Vectorworks Architect has demonstrated support for IFC Export, based on the Coordination View 2.0 and supporting the Architecture Exchange Requirements. IFC Interfaces are delivered with Vectorworks Architect and automatically installed, as they are fully integrated into the software.

The certified Coordination View 2.0 IFC Export will be available with Vectorworks Architect 2013 Service Pack 4, which will be released this month.

For more information about buildingSMART International and IFC, please

visit: <http://www.buildingsmart.org>.

 [Click here to return to Contents](#)

## ***Visure Solutions Delivers Requirements Management for Complex and Regulated Systems, Certified by HP***

13 June 2013

[Visure Solutions](#), a leader in Requirements Management, will demonstrate the HP-certified integration of Visure Requirements with [HP Application Lifecycle Management \(ALM\)](#) at HP Discover in Las Vegas from June 11–13, 2013.

[Visure Requirements](#) is a process-oriented architecture that enables organizations to deal with the increasing complexity and criticality of systems. Visure Requirements [facilitates requirements gathering, analysis, and management](#) that aids communication and collaboration between business and IT departments to establish a reusability model for product variants. Its open architecture extends collaboration to other commercial databases and eases exchange of requirements information with other tools following standard formats.

“Organizations face increasing pressures to deliver quality products on time and within budget—a challenge that can seem insurmountable when tackling complex IT systems and software development,” said Joe Cisneros, CEO, Visure Solutions. “Requirements are the most critical element to help solve this challenge. With Visure’s integrated platform, organizations increase productivity and quality while reducing development costs and time to market.”

The [integration between Visure Requirements and HP ALM](#) provides teams a seamless Requirements Engineering and Test Management platform where changes in the requirements and test phases are automatically synchronized and tracked to provide end-to-end bidirectional requirements traceability. Such transparency breaks down communications barriers, giving all stakeholders insight into requirements information, results, and comments of all players for problem resolution, project status, and change impact analysis.

Visure’s integrated platform removes complexities around [achieving regulatory compliance](#) by easing the challenges of managing requirements. Organizations seeking software safety certification can follow templates to define requirements processes. Teams can then reuse the templates across projects and product lines to enforce defined processes and formalize the requirement specification structure across an organization and its supply chain.

[Visure is a member of HP Software’s Independent Software Vendor \(ISV\) Marketplace Partner Program \(MRP\)](#). This partnership has resulted in organizations such as [Audi and SELAE](#), who have complex IT and regulation challenges, to realize the benefits of the HP ALM integration with Visure’s Requirements Engineering tools. Visure Requirements provides Requirements Management processes that show

# CIMdata PLM Industry Summary

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traceability and specification fulfillment by linking requirements to tests.

Visure Requirements follows an open approach to ensure [easy exchange of requirements information](#). Its open APIs and SDK ensure commercial databases such as Oracle and SQL Server can easily synchronize information with Visure Requirements. An extensive set of import and export capabilities to standard formats provide obsolete platform migration and easy collaboration with suppliers and third-party vendors using other Requirements Management systems.

Visure Requirements emphasizes not only Requirements Management, but also requirements analysis, project organization, and descriptions of a system's high-level functions. The integrated platform coordinates the [Requirements Management process](#) across the complete development lifecycle. Visure Requirements supports requirements capture, analysis, specification, validation, verification, management and reuse within the HP ALM solution.

 [Click here to return to Contents](#)