

## Contents

<b>CIMdata News</b>	<b>2</b>
CIMdata Releases Series of Country-Specific PLM Market Analysis Reports	2
<b>Acquisitions</b>	<b>4</b>
Bentley Acquires Microprotol to Extend AutoPIPE's Position in High-pressure Plant Environments	4
Bentley's Acquisition of SpecWave Brings Enterprise-level Information Management for Specification Services, Spanning Project and Asset Lifecycles	5
<b>Company News</b>	<b>7</b>
Agilent Technologies Appoints Ron Nersesian President and Chief Operating Officer	7
AVEVA wins techMARK Company of the Year	8
Baesis Inc Joins Infor Partner Network	9
Delcam to show latest in CAD/CAM for toolmakers in Indonesia	11
Granta Announces Foundation Partnership Integrating Materials Information Management with Siemens PLM software	12
Omnify Software Celebrates Ten Years of Product Lifecycle Management Success	13
OPEN MIND and CGTech Announce Renewed Agreement	14
Oracle Chooses Rainmaker Systems to Expand Reseller Network to 32 Countries	15
Oracle Invests in Leading Platform-as-a-Service Company Engine Yard	16
SAP Unveils SAP NetWeaver Cloud Applications Partner Program	17
TES International Furthers its Partnership with Altair by Adding Its Other Thermal Analysis Application to the HyperWorks Partner Alliance	18
<b>Events News</b>	<b>19</b>
Cimatron hosts successful user seminars in India	19
Delcam to Show Latest DentMILL Dental Milling Software in California	20
GibbsCAM Triple-Feature at Autodesk University 2012	21
GRAPHISOFT Showcases Energy Analysis and Net-zero Homebuilding at GreenBuild	22
hyperMILL® Pushes Modern Machining Tools to Their Limits	23
ICAM and CCAT Announce Agreement to Provide NC Manufacturing Training Seminars	24
ProSTEP iViP Symposium 2013	25
<b>Financial News</b>	<b>26</b>
Autodesk Reports Third Quarter Results	26
AVEVA: Interim Results for the Six Months Ended 30 September 2012	29
Rand Worldwide Reports First Quarter Fiscal Year 2013 Results	30
<b>Implementation Investments</b>	<b>31</b>
Amazon Web Services Certified to Run SAP Business Suite for Production Applications	31
Ascena Retail Group Goes Live With TradeStone PLM for Retail and Collaborative Sourcing	33
AVEVA Enterprise solution implemented by Suncor Energy	34
Cabela's Selects PTC to Speed Innovation and Accelerate Time-to-Value	35
Delcam Supports Move to Larger and More Complex Parts at dalau	36
SOLID EDGE NOW AVAILABLE FREE TO ALL SECONDARY SCHOOL EDUCATORS	37
Uniforms maker STEPS to increase production with NGC tool	38
ZW3D Highlights Lakowa Implementation	39
<b>Product News</b>	<b>40</b>
Accelrys Materials Studio Release 6.1 Speeds Innovation with Enterprise Capabilities	40

# CIMdata PLM Industry Summary

---

Altair Introduces Display Manager for Remote Visualization of Big Data _____	42
Altair Unveils PBS Analytics 12 at Supercomputing 2012 - Delivering Faster, More Insightful Data Analysis and Visualization of HPC Workloads _____	43
ANSYS® 14.5 Bolsters Product Performance and Integrity Through Deeper Design Insight _____	44
BobCAD-CAM Offers New MultiAxis Toolpath That Benefits 3 Axis Machines _____	47
CD-adapco Releases Latest Version of Its CAE Software Tool, STAR-CCM+ v7.06 _____	48
CDS CAD Download Solution Integrated in New Dornier CAD Configurator _____	49
GRAPHISOFT BIMx Now Available through Amazon for Kindle Fire _____	50
Intergraph® Leverages Leica Geosystems' TruView to Connect Engineering Design Basis with Reality _____	50
MecSoft Announces Support for SolidWorks 2013 _____	52
Missler Software introduces TopSolid' Split 7.7 _____	52
OpenText Announces InfoFusion _____	53
OpenText Delivers Tempo Social and Tempo Box in the Cloud _____	55
Patent Awarded for PDF3D Geospatial Reporting Technology _____	57
Plex Systems Partners With Actify, Allowing Direct Access to CAD Data _____	57
SmartCAM V19.5 Released Features Threading and Grooving Improvements, New Parting Process _____	58
SofTech Announces Latest Release: ProductCenter PLM 9.3.0 _____	60

## CIMdata News

### ***CIMdata Releases Series of Country-Specific PLM Market Analysis Reports***

14 November 2012

CIMdata, Inc., the leading global PLM strategic consulting and research firm announces the release of six additional country-specific PLM Market Analysis Reports. These new reports follow the release of the CIMdata 2012 Brazil PLM Market Analysis Report on 7 November 2012, and the 2012 China PLM Market Analysis Report earlier this year.

The CIMdata PLM MAR series presents CIMdata's analysis of the 2011 product lifecycle management (PLM) market. The complete global analysis provides CIMdata's perspective on PLM across a variety of industry and geographic sectors, identifies market trends, reviews investments in PLM-related software and services during 2011, and forecasts PLM investments for 2012 through 2016. It includes charts that present the overall PLM market and its various sectors as defined by CIMdata. These include collaborative Product Definition management (cPDM), tools and tools sub-sectors, and digital manufacturing.

In addition to its global reports, CIMdata now offers eight country-specific PLM Market Analysis Reports:

- Brazil
- China
- Germany
- India
- Japan
- Russia

# CIMdata PLM Industry Summary

---

- South Korea
- United States

These reports focus on the PLM market in each country, including its main segments, and the 2011 financial results for PLM solution and service providers. Each country report includes estimates of spending by industry segment within the country, market presence within the country, growth of the top 10 suppliers in that country, revenue by global mindshare leaders, market shares in each measured segment, and five-year forecasts.

“Collectively, these countries represent the present and the future of the PLM market,” according to Stan Przybylinski, CIMdata’s Director of Research. “At nearly \$5.1 billion in 2011, the United States is the largest market and is forecast to grow at a compound annual growth rate (CAGR) of 11.2% through 2016. Japan was second in this group, with 2011 revenues of \$2.8 billion and a CAGR of 10.9%. PLM revenues in Germany were \$2.5 billion, and a CAGR of 9.5%. These three countries have dominated the PLM market for years, and will maintain that position. However, South Korea (at \$411 million and a 12.1% CAGR) and the emerging PLM economies of Brazil, China, Russia, and India have great potential. CIMdata estimates the 2011 PLM revenues in Brazil were \$219 million (11.5% CAGR) and in China \$641 million (16.1% CAGR), in India were \$441 million (15.6% CAGR), and in Russia were \$236 million (12.2% CAGR), and that these high growth rates will place them among the global PLM revenue leaders.”

The CIMdata country-specific PLM Market Analysis Reports are available for purchase at [www.CIMdata.com](http://www.CIMdata.com).

## About CIMdata

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

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata’s services, visit our website at [www.CIMdata.com](http://www.CIMdata.com), follow us on Twitter: <http://twitter.com/CIMdataPLMNews>, or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495.533.666.

 [Click here to return to Contents](#)

## Acquisitions

### *Bentley Acquires Microprotol to Extend AutoPIPE's Position in High-pressure Plant Environments*

13 November 2012

Bentley Systems, Incorporated, today announced that it has acquired EuResearch, provider of *Microprotol* – a leading software application for the design and analysis of pressure vessels and heat exchangers. With this addition to its portfolio, Bentley extends its [AutoPIPE](#) product suite to span comprehensive pipe stress analysis for improved productivity and quality, with rigorous performance simulation capabilities for streamlined design, analysis, fabrication, and commissioning of pressure vessels and their associated pipework. Users in engineering and fabrication firms will benefit from the faster delivery of improved designs, and owner-operators will achieve safety and process improvements that enhance returns on investment. *Microprotol* users include the largest and most safety-conscious engineering, procurement, and construction contractors (EPCs), plant owners, consulting engineers, and manufacturing firms.

Victor Smirnov, CEO, ZAO Neftekhimproekt (NHP), which is headquartered in St. Petersburg, Russia, said, “NHP began using *Microprotol* in 2011, and we have thus far employed it on 30 projects. In each case we were able to improve the quality of our pressure vessel designs, leading to enhanced product safety, while substantially saving time – producing all deliverables, including specifications, detailed drawings, and bills of materials, in three days rather than typically two weeks.”

Commenting on the new acquisition, Santanu Das, Bentley vice president, design, simulation, and information modeling, said, “On behalf of my colleagues at Bentley, I welcome our new team members from EuResearch, all of whom are seasoned mechanical engineers from the industrial process sector. In providing advanced tools for pressure vessel design and analysis, *Microprotol* software adds powerful new capabilities to our globally used *AutoPIPE* software for pipe stress analysis. *Microprotol* also adds capabilities to the *Bentley OpenPlant* plant design engineering software, as well as to our broad range of flexible and scalable integrated structural analysis and design offerings, including *STAAD*, *RAM*, *ProSteel*, and *Structural Modeler*. Most importantly, our ongoing integration work with *Microprotol* will soon deliver uniquely comprehensive performance simulation solutions across the fuller breadth of the plant lifecycle, offering users a step change in productivity while improving plant safety through enhanced design.”

G rard Malhaire, former CEO of EuResearch, now serving as a consultant to Bentley, said, “Our organizations share development priorities in the key areas of plant safety, code compliance, and industry standards. Together, we will enable more complete information modeling for all high-pressure plant environments, leading to plant structures that can be delivered more quickly, and that are safer and more cost efficient to operate. Many of our users have told us how great it would be if they could incorporate the pressure vessel design and analysis functionality of our *Microprotol* software with the world-class piping analysis capabilities of *AutoPIPE*, and now they can.”

Mark Upston, Bentley director, structural solutions, said, “For many years plant design and construction

# CIMdata PLM Industry Summary

---

teams have been saying to us that there have to be more efficient ways of incorporating vessel design. Often the vessel certification is still accomplished by way of paper transmittals, and it can take up to two years after the purchase order is issued to get certified vessel drawings back. This causes delays in construction through holds on the piping system or the re-issuing of many field weld instructions since the project team isn't sure exactly what the vessel is going to look like.”

He continued, “Our users will be delighted that Bentley has acquired *Microprotol*. We have been the first software vendor to provide the innovative information mobility required for cross-discipline coordination workflows – for example, between *AutoPIPE* and *STAAD*, saving piping and structural engineering teams thousands of hours of design and review effort. With our uniquely integrated applications for structural and piping disciplines now extended to vessel design and analysis, they can work smarter, together, to deliver faster, more accurate, high-quality projects, and to improve plant safety.”

Among the many features of *Microprotol* are:

- the ability to handle pressure vessels ranging from column, reactor, horizontal, and vertical drums to shell and tube heat exchangers, air coolers, steel stacks, and boilers;
- support for a comprehensive set of international standards including ASME, German, British, Russian, French, and European codes;
- cost estimation, auto calculation of bundle tube-layout, and complete air cooler design;
- inclusion of an XML database that enables users to connect to product data management systems (such as those for specification sheets and purchasing);
- links to front-end engineering design to acquire all material and temperature data (e.g., from AspenTech Tasc and Tasc+, HTRI Xchanger, Prosim EXCH, and Honeywell UniSim).

Additional information about *Microprotol* is available at [www.bentley.com/EuResearch](http://www.bentley.com/EuResearch).

 [Click here to return to Contents](#)

## ***Bentley's Acquisition of SpecWave Brings Enterprise-level Information Management for Specification Services, Spanning Project and Asset Lifecycles***

13 November 2012

Bentley Systems, Incorporated, today announced that it has acquired *SpecWave* software that helps architectural, engineering, construction, and operations (AECO) professionals author and configure structured text content, including engineering specifications and related codes and standards. *SpecWave* makes specifications an integral aspect of information modeling, creating text objects to be change-managed by Bentley's *eB Insight* – facilitating and enforcing enterprise, project, and owner standards, and delivering documents that are rigorous, controlled, and connected throughout the project and asset lifecycle, to save time and improve quality and performance.

# CIMdata PLM Industry Summary

---

Through *SpecWave*, *eB Insight*, and the forthcoming *Bentley CONNECT* SaaS environment that enables infrastructure practitioners to connect enterprises, projects, content, and individuals with each other, *Bentley Specification Services* will enable specifications to be purposefully shared across distributed, multidisciplinary project, operations, and inspection teams. Other inaugural *Bentley CONNECT* capabilities will include *Bentley Connection Space*, *Bentley Simulation Services*, and extensions to *ProjectWise* collaboration services and *AssetWise* asset lifecycle information management services. Additionally, *Bentley CONNECT* will provide subscribers with software update services, *Bentley Institute* learning services, and more.

Bhupinder Singh, senior vice president, Bentley Software, said, “We are pleased to welcome back to Bentley Leon Gorbaty and Adam Klatzkin, principals of The Engineering Essentials Company (TEEC) and the inventors of *SpecWave*. Together, we will finally enable information management to comprehend the mission-critical AECO content within documents – transparent to human readers but hitherto inscrutable to software. Specs and other structured documents are crucially important across projects, engineering disciplines, and the lifecycle of assets – from design throughout bidding and contractual processes, construction work packaging, and inspections, and ultimately for operational reliability and safety. But up to now, no one has accomplished the breakthroughs in rigor necessary for securing information mobility, with integrity, for text objects.”

He continued, “Leon and Adam changed all of this by making it possible to reach inside structured documents to parse and organize the content at the semantic level of individual and unique text objects. As a result, integral constituent parts of documents can now be harvested, persisted, accessed, repurposed, change-managed, and controlled, with text objects becoming a new fundamental data type for Bentley. Accordingly, we can next leverage the full enterprise-level information management capabilities of our *eB Insight* services for essential document contents starting with specifications, but also including, for example, compliance and safety documents. Finally, through *Bentley CONNECT*, *Bentley Specification Services* will enable corporate, project, and owner spec standards to be maintained, shared, tracked, and enforced across teams, projects, and enterprises.”

Early on, the Construction Sciences Research Foundation (CSRF) saw the potential for *SpecWave* to provide significant benefit to industry and last year joined Bentley as an investor in TEEC. According to Raymond Best, the president of CSRF’s Board of Directors, “We’re confident that our early investment in TEEC has already yielded returns for the industry through the breakthroughs provided by *SpecWave*. We’re equally confident that Bentley’s acquisition of *SpecWave* will provide the commitment and resources to ultimately deliver on our vision for the potential offered by *SpecWave*.”

*SpecWave* provides optimized editing for specification writers, with advanced attributes and tagging of content enforced by templates, and specification-driven process support for submittals, quality assurance, and other business workflows. *SpecWave* enables users to create, administer, and automate complex specifications and other content as highly portable SPECX files that can be leveraged in familiar workflows, exchanged as i-models, and now managed within *ProjectWise* and *AssetWise*.

# CIMdata PLM Industry Summary

---

*SpecWave*'s SPECX format has emerged as an endorsed standard for structured engineering content within [Fiatech](#), an international community working together to lead global development and adoption of innovative practices and technologies to realize the highest business value throughout the lifecycle of capital assets. The Open Packing Conventions SPECX format was further developed, prototyped, and put into production as a result of collaboration through the Fiatech Specification Automation project. Per the Fiatech website, "By combining good fit for the subject-matter domain with a good fit for tools and application development, the SPECX file format and associated schemas deliver a solid foundation for the interoperability of the most important documents in the capital facilities industry."

Commenting on his company's use of the SPECX-based *SpecWave* program to improve its specification program, Eric Michnovez, manager of the Master Specs Program for *ENR* Top Design Firm #22 CDM Smith, said, "My users love the results, saying things like, 'I love the new specs facilitated by *SpecWave*. I just did a specification, and it was awesome how it formatted. I finished editing it, and I was done! Where were these tools before?' and 'How wonderful that CDM Smith has created Master Specs with a refined look and feel. What a pleasure to finally use styles and other ease-of-use features. It's clever that we can 'keep' all comments and always retrieve them.'"

Leon Gorbaty, formerly CEO of TEEC and now director of product management at Bentley, said, "We have been continually surprised and gratified at the interest at executive levels in adopting *SpecWave* to capture and to begin to advance the quality of project and enterprise specification standards for architecture, engineering, and owner organizations. Its combination with Bentley's *eB Insight* for industrial-strength information management is an exciting development that rapidly accelerates our progress to fulfill these unmet needs of our many *SpecWave* enterprise prospects. And the *Bentley CONNECT* SaaS environment will enable *Bentley Specification Services* to reach and benefit every specs constituent. I'm glad to be engaged in this important work within the Bentley team."

Additional information about *SpecWave* is available at [www.bentley.com/SpecWave](http://www.bentley.com/SpecWave).

 [Click here to return to Contents](#)

## Company News

### ***Agilent Technologies Appoints Ron Nersesian President and Chief Operating Officer***

14 November 2012

Agilent Technologies Inc. announced that its board of directors has appointed Ron Nersesian Agilent president and chief operating officer, effective immediately. Nersesian has been executive vice president and chief operating officer since November 2011.

Nersesian, 53, will continue to be responsible for Agilent's Chemical Analysis (CAG), Life Sciences (LSG), Electronic Measurement (EMG), and Agilent Order Fulfillment (AOF) businesses, with the presidents of those groups reporting to him. Nersesian will continue to report to William (Bill) Sullivan,

# CIMdata PLM Industry Summary

---

who remains chief executive officer.

Nersesian first joined Hewlett-Packard Co., Agilent's predecessor company, in 1984. Since then he has served in various management positions, including president of the electronic measurement business from 2009 to 2011.

Nersesian holds a bachelor's degree in electrical engineering from Lehigh University and an MBA from New York University, Stern School of Business.

"Ron is an outstanding global business leader," said Sullivan. "He transformed EMG when he headed that business, resulting in record profitable growth across current and emerging markets."

"Over the past year as COO, Ron made significant strides in increasing the profitability of our life science and chemical analysis businesses even as we navigated through a difficult economy," said Sullivan.

Sullivan added, "Ron's appointment as president and COO is an opportunity for Agilent to further leverage the skills of an executive with an exceptional record of business growth, cost improvements and superior return on invested capital."

## **About Agilent Technologies**

Agilent Technologies Inc. is a global measurement company and a technology provider in chemical analysis, life sciences, diagnostics, electronics and communications. The company's 20,000 employees serve customers in more than 100 countries. Agilent had net revenues of \$6.6 billion in fiscal 2011. Information about Agilent is available at [www.agilent.com](http://www.agilent.com).

 [Click here to return to Contents](#)

## ***AVEVA wins techMARK Company of the Year***

16 November 2012

### *Technology investment drives growth and success across AVEVA's worldwide operations*

AVEVA announced that it has once again won the coveted techMARK Company of the Year award, beating competition from the software, manufacturing and engineering sectors. The award was presented at the awards dinner at the Hotel Intercontinental in London on 15 November 2012.

"I am honoured to receive this award on behalf of the global AVEVA team, who have achieved outstanding technical and business milestones over the last 45 years", said Richard Longdon, CEO, AVEVA. "Maintaining our technology leadership is key to AVEVA's future and our long-term growth strategy. Being awarded the techMARK Company of the Year has demonstrated the key role that our world-class software technology and long-term customer relationships have played in AVEVA's growth and success. This accolade proves that R&D investment is rewarded as we develop commercially and financially successful technology that brings significant business advantage to our customers and value to our shareholders."

# CIMdata PLM Industry Summary

---

AVEVA has continued to improve its market-leading Integrated Engineering & Design solutions with new product releases in the AVEVA Marine and AVEVA Plant portfolios. These include AVEVA Everything3D, a ground-breaking new 3D plant design application which enables the realisation of Lean Construction. In addition, the AVEVA Enterprise portfolio of powerful, enterprise-level Information Management solutions has been further developed with the release of AVEVA Enterprise Resource Management.

AVEVA's long-term growth strategy combines in-house technology development with carefully selected acquisitions. In the last two years alone, AVEVA has acquired LFM Software, expanding AVEVA's highly successful 3D laser scanning portfolio, and bocad, a leading provider of structural steel detailing software. These further extend the scope of both the AVEVA Plant and AVEVA Marine portfolios.

## **ABOUT TECHMARK**

Since the launch of the techMARK in 1999 by the London Stock Exchange, The techMARK Awards, sponsored by PwC, has brought together the largest annual gathering of quoted technology companies in the UK. It celebrates the best in the sector and highlights the achievements of individuals and companies, and recognises the importance of access to the capital markets to fund growth and innovation. The Awards attract CEO's and FD's of the fastest-growing technology companies, plus investment bankers, fund managers, analysts and corporate advisors.

[Visit the techMARK website](#)

 [Click here to return to Contents](#)

## ***Baesis Inc Joins Infor Partner Network***

13 November 2012

Baesis Inc. announced it has joined the [Infor Partner Network](#) (IPN) a selective group of channel partners that re-sell and service Infor's leading business application software. Baesis will focus on selling and servicing Infor10 ERP VISUAL-INFOR 10 Visual application throughout New England, New York, & New Jersey. [Infor](#) is the world's third-largest supplier of enterprise applications and services, with more than 70,000 customers. Approximately one-quarter of Infor's license revenue is generated through channel partners in the IPN.

## **News points**

- Through the appointment of Baesis Inc., Infor expands its presence in New England, New York & New Jersey, enabling the company to focus on the key industries of metal fabrication & medical devices throughout the region.
- The IPN is an industry leading program which focuses on helping Infor channel partners run successful businesses based around supplying Infor products and services, enabling partners to deliver the highest quality support for Infor customers.
- Infor has announced a record level of innovation, with more than 100 new products planned for delivery in 2012, including Infor10 Industry Suites; applications specialized by industry

# CIMdata PLM Industry Summary

---

featuring Infor10 ION technology, which uses open standards to integrate Infor and non-Infor applications and Infor10 ION Workspace technology. Designed expressly for the unique demands of a specific industry, Infor10 Industry Suites are preconfigured by industry, minimizing the need for extensive customizations that often lead to long and costly implementations.

“We joined the IPN for very simple reasons,” said Frank Leonard, President of Baesis. “Infor has given us the tools, resources and financial incentives to win new business. Infor products boast out-of-the-box industry specific functionality which will help us grow a profitable and sustainable business quickly. From demand generation to sales, delivery and support, we have fantastic support from Infor to put us in a strong position to win.”

“Infor is a clear alternative to some of the old brands in enterprise software. We are very impressed with the new Infor10 brand which is underpinned by innovation and deep industry specific applications. This is precisely what our customers are crying out for: applications that meet their business needs with no excess fat,” said Frank Leonard, President of Baesis. “Furthermore the investment that Infor is making in the channel through the Infor Partner Network is impressive. We believe strongly that this program will enable us compete on the basis of speed, and help us rapidly grow a profitable business.”

“We look forward to working closely with Baesis in New England, New York & New Jersey to expand our industry focus and align selling efforts,” said Jeff Abbott, vice president, Global Alliances and Channels, Infor. “With an industry leading channel program, and disruptive, game changing technology that offers more flexibility at a lower cost of ownership, it’s an exciting time to work and become specialized with Infor applications.”

## **About Infor**

Infor is the world's third-largest supplier of enterprise applications and services, helping more than 70,000 large and mid-size companies improve operations and drive growth across numerous industry sectors. To learn more about Infor, please visit [www.infor.com](http://www.infor.com).

## **About Baesis Inc**

Baesis is a value added reseller (VAR) of a full line of leading edge technology products and services for small to medium sized manufacturers, enabling them to build more efficient business models, maximize their technology investments and eliminate the confusion of working with multiple service providers. Servicing New England, New York and New Jersey, Baesis Inc specializes in accounting and manufacturing software sales, service and support and are INFOR10 ERP Visual partners, Sage business partners for Sage 100 ERP, Top 25 2012 resellers of Sage 50 Quantum, and 8<sup>th</sup> largest MISys provider in North America. Visit their website at [www.baesis.com](http://www.baesis.com)

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## *Delcam to show latest in CAD/CAM for toolmakers in Indonesia*

14 November 2012

Delcam Indonesia will demonstrate the 2013 releases of Delcam's PowerSHAPE CAD software, PowerMILL CAM system and PowerINSPECT inspection software at the Manufacturing Indonesia exhibition to be held in Jakarta from 5th to 8th December. All three new programs include significant enhancements to enable toolmakers to increase productivity, reduce lead times and improve quality, regardless of whether they are making molds of any type, press tools or die-casting equipment.

With its unique combination of solid modelling, surface modelling, direct modelling and triangle editing capabilities, PowerSHAPE provides the most comprehensive range of design and reverse engineering techniques available in a single CAD program. Having all the different technologies in the same package reduces the need to transfer data between multiple programs and so streamlines the whole process of tooling design.

In particular, the combination of quick and easy direct modelling options, together with powerful and flexible surface modelling, makes PowerSHAPE the perfect choice for the design-for-manufacture modifications that are needed when converting product designs into successful tooling designs.

PowerSHAPE also includes the Solid Doctor, a comprehensive set of tools for the repair of CAD models from all sources, including IGES, STEP and native CATIA and Creo files. It can be used to tackle all the common problems that are found when translating low-precision and incomplete data, including gaps and overlaps between surfaces, or duplicated and missing surfaces, and generate a valid, high-precision solid model.

Enhancements in the 2013 release of PowerSHAPE include improvements to its direct modelling and reverse engineering capabilities that will make the software both more flexible and even easier to use, plus solid and surface modelling options that have been made faster and even more robust.

The major new development in PowerMILL 2013 will be the Vortex area clearance strategy. This has been developed specifically to gain the maximum benefit from solid carbide tooling, in particular those designs that can give deeper cuts by using the full flute length as the cutting surface. It can be used for two- and three-axis roughing, three-plus-two-axis area clearance and for rest machining based on stock models or reference toolpaths.

Unlike other high-speed roughing techniques that aim to maintain a constant theoretical metal-removal rate, the Vortex strategy produces toolpaths with a controlled engagement angle for the complete operation. This maintains the optimum cutting conditions for the entire toolpath that would normally be possible only for the straight-line moves. As a result, the cutting time will be shorter, while cutting will be undertaken at a more consistent volume-removal rate and feed rate, so protecting the machine.

Because Vortex toolpaths have a controlled engagement angle, tools will never be overloaded and so will achieve the maximum tool life. Shock loading caused by changes in the contact angle is minimised, preventing chipping of the flutes. In addition, the stability of the cutting conditions gives more consistent edge temperatures, so prolonging the life of the tool coating and removing heat damage to the surface of the part. Finally, the ability to use stepdowns of up to two, or even three times, the tool

## CIMdata PLM Industry Summary

---

diameter spreads the tool wear evenly over the cutting surface of the tool, again contributing to longer tool life.

Recent enhancements in PowerINSPECT include continued development of the reverse engineering capabilities introduced earlier this year. The main enhancement in this area has been an expansion of the Digitised Curves capabilities to create a powerful re-engineering and modelling tool.

Improvements to the inspection functionality include a new, simplified procedure enabling users to quickly calibrate the probe assembly by probing a single point anywhere within the measuring envelope; a new offset-alignment method that aligns the part with the axes of the CMM while setting the position with a single point measurement; and new point-cloud options that make it easier to modify and reuse digitised curves and points, with options for editing, deleting and resuming measurement of the points and curves.

In addition, a new option has been added that enables PowerINSPECT to program dual-column CMMs.

 [Click here to return to Contents](#)

### ***Granta Announces Foundation Partnership Integrating Materials Information Management with Siemens PLM software***

15 November 2012

Granta Design announced a new Foundation Software and Technology Partnership with Siemens PLM Software. The partnership is providing tight integrations between Granta's materials information management system ([GRANTA MI™](#)) and [NX™ software](#), Siemens PLM Software's fully integrated computer-aided design, manufacturing, and engineering analysis (CAD/CAM/CAE) solution. This enables validated materials property data and models to be quickly and consistently accessed and applied from within NX, providing fully-traceable inputs for designs and simulations. The first product from the partnership, [GRANTA:MI Materials Gateway™ for NX](#), is now available.

Engineers and designers need quick, reliable access to a wide range of complex materials, process, and environmental information for their designs, calculations, and simulations. Working with some of the world's top engineering enterprises, Granta has developed a powerful system for capturing, analyzing, and managing all of a company's materials data—for example, from testing, R&D, or previous design experience. This is complemented by Granta's own unrivalled catalog of materials property reference data, which covers metals, plastics, ceramics, composite materials, and more. GRANTA MI:Materials Gateway enables this entire invaluable resource to be accessed and applied by authorized engineers throughout the enterprise, within their routine workflows.

GRANTA MI:Materials Gateway for NX was well received when presented at the Siemens PLM Connection event. It enables NX users to browse their corporate materials database (and Granta-supplied reference information), choose applicable materials, and assign those materials to parts within their NX model. This ensures that parts have the correct density for mass property calculations and weight roll-up, and that analysts can be confident of using approved models in their CAE simulations. All of these tasks are performed quickly, interactively, and with no risk of error due to data transfer.

Designers are being asked to consider an increasingly diverse range of criteria, including cost and

# CIMdata PLM Industry Summary

---

sustainability, alongside engineering performance. So MI:Materials Gateway also embeds intuitive new dashboard and reporting tools to guide the associated materials selection.

“Our customers are looking to use materials that not only provide fit and function, but are also cost effective, recyclable, and reduce environmental impact,” said Jim Rusk, senior vice president, Product Engineering Software, Siemens PLM Software. “The accessibility of the Granta MI database for NX provides our customers with the tools they need to leverage their corporate standard material properties, and make them available to designers and engineers in an easy to use process. Siemens PLM Software is pleased to be able to extend its long working relationship with Granta Design.”

“We are delighted to be working with Siemens PLM Software to support their wide user base of designers, engineers, and analysts by providing them with tools and data that will save time, ensure consistency, and provide them with high confidence in their results,” concluded Granta’s Chief Operating Officer, Dr. Patrick Coulter.

## **ABOUT GRANTA DESIGN**

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

 [Click here to return to Contents](#)

## ***Omnify Software Celebrates Ten Years of Product Lifecycle Management Success***

13 November 2012

[Omnify Software](#) is celebrating ten years of PLM software success this month. Established in 2002, Omnify Software has reported steady growth and profitability year over year as the company continues to deliver comprehensive PLM solutions focused on meeting customer needs.

By way of a customer-centric philosophy, Co-founder, Chief Architect and CEO Chuck Cimalore, has led the organization on a steady path of strategic growth. “Starting out as a small fish in a big pond, we are proud to be celebrating ten years of PLM software success in addition to the fact that we have been able to grow while maintaining profitability in what have been tough economic times,” stated Mr. Cimalore. “We attribute our success to our customers, employees, and resellers. Our customer’s guidance helps us develop PLM products to meet their ever-changing product development requirements while the commitment and dedication of our employees and resellers allows us to effectively deliver these solutions.”

Omnify Software has won industry recognition as an innovative company delivering business-ready

# CIMdata PLM Industry Summary

---

Product Lifecycle Management solutions. Most recently the company was the recipient of the 2012 Process Innovation award for its novel [Empower PLM](#) technology. Omnify has been helping small and large [manufacturing customers](#) to efficiently develop products such as: wireless network platforms, soft-switch gateways, enterprise border controllers, advanced voice services platforms, aerospace navigation and control systems, digital and sonar imaging products, semiconductor equipment, medical laser, ultrasound and cardiovascular technology, biomedical tools, clean energy technology and mobile apps.

“I would like to extend sincere congratulations to everyone at Omnify Software,” stated Leslie Steever, Document Control Manager at Petra Solar and longtime Omnify Software user. “Making it to ten years is a significant milestone and I have no doubt this was achieved because of the fantastic suite of products and the extraordinary customer service they continue to deliver.”

To celebrate its ten year anniversary and show appreciation to their expansive user base, Omnify Software is rewarding existing clients with a customer appreciation program that includes roll back product pricing, training discounts and referral incentives.

 [Click here to return to Contents](#)

## ***OPEN MIND and CGTech Announce Renewed Agreement***

14 November 2012

OPEN MIND, developer of *hyperMILL*®, software for programming CNC machine tools, and CGTech, developer of VERICUT® software for simulating CNC machine tools, announced today a renewed agreement between their two companies. As part of this relationship, the two companies work closely to provide seamless integration between their products and customer support. CGTech and OPEN MIND have already worked together to create an interface between *hyperMILL* and VERICUT. The interface, which continues to be enhanced, is designed to help their mutual customers create a better machining process by providing an easy way to verify *hyperMILL*'s post-processed machining paths in VERICUT.

“*hyperMILL* provides innovative techniques for 2.5-axis through 5-axis milling and drilling, mill-turn, and specialised niche applications. These solutions are intended to streamline programming time and reduce cutting time and risk at the machine tool. Many of our customer's work processes mandate part program simulation and they are most often using VERICUT. The *hyperMILL* to Vericut data interface provides high assurance for the transfer of information between these software products,” states Adrian Smith, Managing Director of OPEN MIND Technologies UK Ltd.

By simulating CNC programs on a computer without using the actual machine tool, *hyperMILL* users can realize significant savings by reducing machine cycle time, improving work quality and maximising throughput. Possible programming errors are identified sooner without putting the actual machine tool at risk.

“CGTech's VERICUT product is recognised as the industry leader in NC program simulation,” said John Reed, Managing Director, CGTech Ltd. “Machine tool advances in recent years, with the

# CIMdata PLM Industry Summary

---

associated increase in CNC machining process complexity has made accurate machine tool and cutting simulation a requirement. *hyperMILL*'s strength at machining very complex geometries, combined with VERICUT's strength at simulating sophisticated machining strategies on complex machine configurations, produces a very capable solution for high-end manufacturers' most challenging machining problems."

## **About CGTech**

Headquartered in Irvine, California CGTech specialises in numerical control (NC/CNC) simulation, verification, optimisation and analysis software technology for manufacturing. Since 1988 CGTech's product, VERICUT® software, has set the standard for simulating CNC machining in order to detect errors, potential collisions or areas of inefficiency. With subsidiaries in Japan, China, Singapore, Brazil, Germany, France, Italy and UK and a network of resellers worldwide, VERICUT software is used by companies of all sizes, universities and government agencies. For more information, visit the CGTech website at [cgttech.com](http://cgttech.com), call +44 (0)1273 773538 or email [info.uk@cgttech.com](mailto:info.uk@cgttech.com)

## **About OPEN MIND**

OPEN MIND Technologies AG is a leading developer of CAD/CAM software and postprocessors for designing and manufacturing complex parts. OPEN MIND offers an extensive range of products, from 2D feature-oriented solutions for milling standard parts through to software for 5-axis simultaneous machining. With over 13,000 licenses sold across the automotive, tool and mould manufacturing, mechanical engineering and aerospace industries, OPEN MIND Technologies AG is represented in all the key markets around the world. OPEN MIND Technologies AG is a subsidiary of Man and Machine ([www.mum.de](http://www.mum.de)).

 [Click here to return to Contents](#)

## ***Oracle Chooses Rainmaker Systems to Expand Reseller Network to 32 Countries***

12 November 2012

Rainmaker Systems, Inc., a global e-Commerce software company that helps multi-national companies address the B2B market by maximizing sales revenue for their products and services, today announced a new agreement with Oracle to provide sales services to increase Oracle's partner base on a global level to 32 countries.

Rainmaker will identify Resellers who aren't currently selling Oracle products, qualify them based on Oracle's needs and recruit them into the Oracle Partner Network. Rainmaker was chosen for its ability to meet customer business objectives through a refined, scalable, business process and its cloud-based, multi-channel strategy to improve global sales.

David Guercio, Rainmaker's senior vice president of sales and marketing commented, "Oracle needed a way to recruit more Channel Partners into their partner network on a global scale. Rainmaker has a 20 year history of helping our clients reach their sales goals and we are happy to help Oracle expand their

# CIMdata PLM Industry Summary

---

partner network and ultimately sell more products and services.”

## About Rainmaker

Rainmaker is an e-Commerce software company that helps multi-national companies address the B2B market by maximizing sales revenue for their products and services. The Rainmaker eCommerce platform can be enhanced with Rainmaker global telesales agents to maximize revenue and customer satisfaction through the entire customer life cycle. For more information, visit [www.rainmakersystems.com](http://www.rainmakersystems.com).

 [Click here to return to Contents](#)

## ***Oracle Invests in Leading Platform-as-a-Service Company Engine Yard***

13 November 2012

### News Facts

- Oracle announced today that it has made a strategic minority investment in Engine Yard, a leading cloud development platform that supports Ruby, PHP and Node.js, popular web development languages.
- The Engine Yard Platform-as-a-Service (PaaS) automates the configuration, deployment and on-going maintenance of cloud environments to enable application developers to rapidly build, deploy and manage cloud applications.
- In conjunction with this investment, Oracle and Engine Yard expect to work closely together to provide cloud application developers with a greater choice of development and deployment options. The two companies are expected to connect their respective PaaS offerings to enable more rapid development of applications in a secure, reliable and scalable environment.
- Developers can more efficiently extend their packaged applications to support additional business requirements and test, prototype and deploy new purpose-built applications without having to assemble and maintain the infrastructure.
- Engine Yard will continue to operate as an independent company. Financial details of the investment were not disclosed.

### Supporting Quotes

- “Developers building new web applications in Ruby, PHP and Node.js to meet growing demands associated with mobile and social computing need a robust web PaaS offering,” said Thomas Kurian, executive vice president, Oracle Development. “We are looking forward to integrating the Oracle Cloud with Engine Yard’s platform to further extend our PaaS capabilities for web application development.”
- “The partnership of Oracle and Engine Yard will provide developers with a choice of leading application development and deployment platforms,” said John Dillon, CEO, Engine Yard. “Oracle’s global scale and resources partnered with our deep expertise in deploying web-scale applications will provide enterprises with a complete and trusted application platform that

# CIMdata PLM Industry Summary

---

enables them to easily leverage the power of the cloud.”

 [Click here to return to Contents](#)

## ***SAP Unveils SAP NetWeaver Cloud Applications Partner Program***

15 November 2012

To support partners in the development of cloud-based packaged applications, [SAP AG](#) (NYSE: SAP) unveiled the SAP NetWeaver Cloud Applications Partner program. This new program gives partners full access to the SAP NetWeaver Cloud service. It offers a comprehensive set of enablement tools, benefits and support that will help them to quickly and efficiently develop, market and sell cloud applications that meet customers' needs. The announcement was made at [SAPPHIRE NOW + SAP TechEd](#), being held as a co-located event in Madrid from November 13-16.

"Customers large and small are using or looking to use the cloud, not only to save money but also to become more agile, innovative and responsive," said Bernd-Uwe Pagel, senior vice president, Platform Ecosystem and eChannels, SAP. "With the growing demand for software-as-a-service applications, the window of opportunity for this market is wide open. Continuing a deep commitment to the ecosystem, SAP is helping partners take advantage of this huge market opportunity to develop cloud application offerings and reach SAP's vast customer base by selling them on SAP Store."

The program delivers a cost-effective starter package of platform resources and development licenses, including access to a rich and vibrant community of developers, specific enablement and partnership life-cycle management.

"The launch of this new partner program will help SAP to garner even more support from the ISV and developer community for SAP NetWeaver Cloud," said Darren Bibby, vice president, Channels and Alliance Research, IDC. "This will help build on SAP's cloud platform vision by providing key building blocks for developers to create powerful applications in the cloud."

Additionally, the program offers the ability to gain SAP certification for applications integrated with SAP NetWeaver Cloud, as well as the opportunity to market and sell these cloud applications on [SAP Store](#), the online marketplace from SAP for cloud, mobile and other enterprise-ready applications.

The program is easy to join with low annual fees. Participating partners will particularly benefit from access to the [SAP NetWeaver Cloud Applications Partner Center](#). This comprehensive portal is designed to simplify the partnership experience in all life-cycle phases. Software vendors interested in the program can find detailed information on the partner center portal, including instructions on how to sign up.

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## ***TES International Furthers its Partnership with Altair by Adding Its Other Thermal Analysis Application to the HyperWorks Partner Alliance***

13 November 2012

[Altair's HyperWorks Partner Alliance](#) (HWP) today announced the expansion of its partnership with [TES International](#) (TES). TES has added its thermal and fluid flow analysis software, ThermoFlo, to the HWP's repertoire of computer aided engineering (CAE) applications. ThermoFlo, the counterpart to TES's recent addition to the HWP, ElectroFlo, also performs thermal analysis but for a variety of applications in addition to electronics. Unlike ElectroFlo, ThermoFlo uses 1-D models for component-based model analysis to simplify product development prototyping and testing.

"We have been very pleased with the HWP partnership since we launched ElectroFlo in September, and we couldn't be happier to be furthering this relationship with our neighboring software company," said Dr. Jeff Lewis, president of TES International. "ThermoFlo brings a new level of versatility to the thermal analysis and CFD simulation tool set currently available within the HWP, and we are eager to increase our presence within this program."

ThermoFlo has capabilities to solve thermal and flow problems for many different applications pertaining to aerospace, automotive, consumer electronics, defense electronics and emerging energy technologies. Its 1-D systems modeling approach allows for geometrical changes potentially to be made as easily as changing a single value in the model. This can dramatically speed up the prototyping and testing process for interchanging different components in a system, or for tweaking the properties of components. ThermoFlo also is able to incorporate 3-D models into the analysis for more detailed components, if so desired. ThermoFlo will complement ElectroFlo within the HWP by extending its thermal analysis capabilities to other areas than specifically electronics, also including differentiating features such as a simple, easy to use drag-and-drop user interface, custom complex math expressions, pressure drop calculation, and customizable parts modeling, among others.

"We are very pleased with TES' decision to expand its participation in the HyperWorks Partner Alliance," said Antoine Poussier, Altair's vice president of global partner programs. "The addition of ThermoFlo and its unique combination with ElectroFlo deepens the HWP's offering in thermal analysis and furthers the program's mission of bringing the most comprehensive portfolio of technology to Altair customers."

For the past 12 years, Altair's innovative and versatile unit-based licensing system has allowed HyperWorks users to access a growing portfolio of applications while optimizing their investment. Each license is composed of a pool of recyclable HyperWorks units (HWUs), which can be used to access any application within the HyperWorks family. Each software application requires a predetermined number of units to run. The necessary units are removed from the user's total pool only while that given application is running and are returned for future use once the program has been closed.

Over the last four years, Altair has opened this model to third-party companies and allowed them to run their own applications under this unit-based system, a collaboration known as the HyperWorks Partner

# CIMdata PLM Industry Summary

---

Alliance. The overall flexibility of these HWUs empowers users and allows them access to the largest and most complete suite of CAE applications available. This makes the benefits to participating HyperWorks customers infinite, with their return on investment increasing each time a new application, such as ThermoFlo, is added to the offering. They can access any of the partner programs using the same leased HWUs they are already using to run HyperWorks, all available at no incremental cost or long-term commitment.

 [Click here to return to Contents](#)

## Events News

### ***Cimatron hosts successful user seminars in India***

13 November 2012

Cimatron Limited acknowledged the overwhelming success of its CimatronE user seminars that were recently held in Noida and Bangalore, India.

“CimatronE is not simply the leading CAD/CAM solution in use in many tool shops throughout India; it is also the common platform that can bring together manufacturers from across a range of sectors to share their successes, discuss effective processes, and network with each other,” said Mr Edsel Vaz, Cimatron Group’s country manager for India.

“This was the thinking behind the recent CimatronE user seminars, which offered participants a highly informative combination of presentations, open forums, brainstorming sessions, and case studies.”

The seminars were organized by Cimatron India and reseller Aditya Infotech Ltd, with the Noida event hosted by channel partner Techsoft and the Bangalore event by new channel partner InnovateMinds Software Solutions. The seminars focused particularly on the software’s die and mold design and NC programming capabilities. They also offered a preview of the new and enhanced features in CimatronE 11, the new version of the software that will be released in coming months.

CimatronE customer Mr Amarjeet Singh of Hindustan Sanitary Ware Ltd, who attended the Noida event, said: "The Cimatron seminar was professionally organized and offered many tools that will help us in improving productivity in our factory. It was also very beneficial to network with others who use CimatronE, learn from their experiences, and share best practices for success."

For further information on CimatronE, visit [www.cimatrone.com](http://www.cimatrone.com).

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## *Delcam to Show Latest DentMILL Dental Milling Software in California*

12 November 2012

Delcam will show the latest version of its DentMILL software for the milling of dental implant restorations at the Dental Laboratory Owners Association of California CAD/CAM Expo and Symposium to be held in Anaheim from 16th to 18th November. DentMILL 2012 is a major upgrade that includes a new interface to make the system even easier to learn and to use, improved nesting for more efficient use of materials and faster calculation times.

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

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

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

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

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

# CIMdata PLM Industry Summary

---

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

 [Click here to return to Contents](#)

## ***GibbsCAM Triple-Feature at Autodesk University 2012***

15 November 2012

*Founder Bill Gibbs Serves in CAD/CAM Discussion Panels – Gibbs Support Manager Conducts Hands-on Session – GibbsCAM Demonstrated in Exhibit Hall*

Gibbs and Associates, developer of [GibbsCAM](#)<sup>®</sup> software for programming CNC machine tools and a Cimatron company, announced that it will participate in four sessions within the manufacturing track at Autodesk University 2012, where it will also have an exhibit. Bill Gibbs, company founder and president, will chair the panel discussion on the future of CAD/CAM, and will be a member of two other panels, one discussing integration and interoperability, and another on CAM selection criteria and considerations. Mario Guerrero, Gibbs' technical support manager and GibbsCAM trainer, will conduct a hands-on demonstration of a GibbsCAM workflow for making and programming parts for CNC machining. The company will also exhibit its latest version of GibbsCAM, in Booth 435. [Autodesk University 2012](#) will run from November 27-29, at Mandalay Bay, 3950 Las Vegas Boulevard South, Las Vegas, Nevada.

“We are pleased and excited to support Autodesk in its industry education and forum for discussing topics important to business, design, engineering and manufacturing,” said Bill Gibbs. “Aside from helping manufacturers plan for the future and make critical decisions today, Autodesk University provides us a great opportunity to demonstrate GibbsCAM interoperability with Inventor, and GibbsCAM's superiority in ease of use, flexibility and efficiency in programming CNCs of all types, even the most complex multi-axis, multi-task machines, using models created with Autodesk Inventor.”

Early this year, GibbsCAM was certified for Autodesk Inventor 2013, marking the twelfth consecutive year that the software has been certified for Autodesk Inventor, and Gibbs and Associates continues to be an authorized member of the Autodesk Developer Network and an Autodesk Authorized Independent Software Vendor. GibbsCAM offers seamless integration with Inventor, directly reading Autodesk Inventor IPT (part model) files, preserving all color information assigned within Inventor to provide continuity in recognizing and communicating part and feature attributes.

# CIMdata PLM Industry Summary

---

GibbsCAM's full associativity of geometry, processes and toolpaths easily accommodates updates to Autodesk Inventor part geometry and process parameters. CNC programmers can quickly optimize parts and define the process for machining the parts, whether they have simple geometry needing only 2-axis turning or 2.5-axis milling, or complex geometry requiring the latest 5-axis machining centers, multi-task machines or Swiss-style turning centers. Once machining processes are defined in GibbsCAM, they are automatically updated when the Inventor model is revised. GibbsCAM also directly reads AutoCAD DXF and DWG files, enabling use of part geometry to program machining processes.

 [Click here to return to Contents](#)

## ***GRAPHISOFT Showcases Energy Analysis and Net-zero Homebuilding at GreenBuild***

13 November 2012

GRAPHISOFT will demonstrate the complete integration of energy analysis technology into its BIM software at ArchiCAD booth 5232W at GreenBuild 2012, taking place at the Moscone Center in San Francisco, CA from November 14-16. Attendees will also be shown a special video presentation of the new ABC Green Home, which had its collaborative beginnings supported by GRAPHISOFT BIM Server technology.

With the release of ArchiCAD 16, GRAPHISOFT has once again provided the tools and technology needed to support sustainable design, from the earliest concept phase of any project. The built-in Energy Evaluation functionality of ArchiCAD 16 gives architects an innovative way to create "green" BIM and perform reliable dynamic energy evaluation within ArchiCAD. The technology relies on BIM geometry analysis and accurate, hour-by-hour online weather data.

"When architects make better decisions, designs conform to regulations and satisfy the interests of the client, the community, and the building operator -- everyone wins," said Steve Benford, Managing Director, GRAPHISOFT North America. "That is precisely why we've brought energy evaluation inside our core BIM application."

GRAPHISOFT's BIM Server technology supported collaboration on the ABC Green Home, a collaboration between Southern California Edison and *Green Home Builder* magazine. The 1695-square-foot model home, on display at Orange County Great Park, demonstrates Net-Zero energy usage principles and has six green-home certifications by four agencies, including the NAHB National Green Building Standard, California Advanced Homes, Energy Star, and LEED Platinum.

"Southern California Edison is proud to be a partner in the ABC Green Home. It's our hope that this visionary project inspires homeowners, builders and renters to think about all the possibilities that are open to them. Every energy-efficient feature, no matter how small, makes a positive impact on their own electric bills and the environment that we all share," said Gene Rodrigues, SCE's director of Customer Energy Efficiency and Solar.

# CIMdata PLM Industry Summary

---

The project demonstrates how to utilize design, planning, engineering, and science to create the ideal green home. Since California is seeking to make Net-Zero energy use mandatory by 2020, this model home and its sustainability template are sponsored by Southern California Edison and *Green Home Builder* magazine to show builders how they can achieve Net-Zero now.

It's estimated the house can be built for approximately \$85 to \$125 per square foot, a comparable sum to what most tract homes cost to build today. The home uses off-the-shelf materials and is designed to work for any builder on any lot.

"There's a misconception in the housing business that green homebuilding is daunting," said Nick Slevin, publisher of *Green Home Builder* magazine and a project organizer. "We built this home out of materials you can get anywhere. It is designed to be easily built by a homebuilder on a lot anywhere in the country, using modern sustainable products and practices."

The home features insulated walls that use less lumber, energy-efficient heat pumps to heat water and the air and provide air conditioning, 5 1/2-kilowatt solar roof panels, a rainwater-collection system, a gray-water recycling system and drought-tolerant plants.

Universal design features are also offered in the ABC Green Home, making it suitable for ownership for a wide cross-section of the American home-buying public. It is handicapped-accessible with wider doors and halls, lower work spaces, and can be adapted for wheelchairs in showers and under sinks.

After the ABC Green Home has been on display for a year at Great Park, it will be donated to Habitat for Humanity and given to a wounded service person. A video demonstration of the project will be shown at the GRAPHISOFT booth.

 [Click here to return to Contents](#)

## ***hyperMILL® Pushes Modern Machining Tools to Their Limits***

13 November 2012

The CAD/CAM software developer OPEN MIND is presenting a range of methods to speed up NC programming and make machining more efficient at this year's EuroMold. OPEN MIND and tool manufacturer EMUGE-FRANKEN will be jointly demonstrating the capabilities of hyperMILL® live on a Hermle C30 between 27 and 30 November 2012 at the trade show in Frankfurt at Stand M06 in Hall 8.0. OPEN MIND will also be offering a sneak peek at hyperMILL® version 2013 and the newly-developed hyperCAD-S® software.

OPEN MIND will offer practical demonstrations on an hourly basis, showing how *hyperMILL®* can be

# CIMdata PLM Industry Summary

---

used effortlessly to complete both standard and specialised tasks at this trade show for the mould and tool making industry. The sample workpiece used for the demonstration mould will be a respirator mask that will be milled on a Hermle C30. The demonstration will showcase the latest *hyperMILL*<sup>®</sup> strategies and the features of the EMUGE FRANKEN tools.

## **Optimal tool use**

As of the current 2012 version, *hyperMILL*<sup>®</sup> supports tapered tools for 3D ISO machining. Tapered tools offer more stability, reduce tool vibrations and as well as improving surface finish. For turning operations, *hyperMILL*<sup>®</sup> functionality has been extended to include inclined grooving. This is why cranked tools can now also be used. OPEN MIND will also be revealing the first new features of *hyperMILL*<sup>®</sup> 2013 at EuroMold. The company has developed a number of new infeed strategies for the use of ceramics-based tool inserts in mill turning. Additionally, the upcoming version will support the use of barrel cutters.

## **CAD for CAM users**

OPEN MIND will be offering a first look at the company's very own new CAD solution, *hyperCAD-S*<sup>®</sup> at EuroMold. This CAD platform is specifically designed to address the requirements of CAM users.

 [Click here to return to Contents](#)

## ***ICAM and CCAT Announce Agreement to Provide NC Manufacturing Training Seminars***

13 November 2012

Connecticut Center for Advanced Technology Inc. ([CCAT](#)) and ICAM Technologies Corporation ([ICAM](#)) announce an agreement to develop a series of seminars designed to educate and train local Connecticut-based manufacturers on advanced numeric control (NC) post-processing and simulation software and best practices.

ICAM develops leading manufacturing software and services specializing in NC post-processing solutions that support the most popular CAD / CAM systems (Mastercam, CATIA and SIEMENS NX), computer numeric control (CNC) machine tools and controllers for successful manufacturers around the world.

The first seminar will be on December 12 from 8:00 a.m.-3:00 p.m. at CCAT's Advanced Manufacturing Center in East Hartford, Conn. The seminar, "Intro to Advanced NC Post Processing," will offer an introduction to ICAM Technologies' graphic post-processing solution. Participants will learn how the same graphic post-processor can process toolpaths programmed in both NX and Mastercam and how to use CAM system dialogs to enable or disable post-processing optimization features. They will execute various post-processors with completely different machine tool kinematics without having to change any programming strategies.

# CIMdata PLM Industry Summary

---

The collaboration with ICAM supports CCAT's efforts to provide technology infusion for small and medium-sized manufacturers by providing exposure to advanced NC manufacturing technologies.

"CCAT's goal is to help our manufacturing customers grow their businesses through advanced technology, training and increased productivity," states Elliot Ginsberg, CCAT president and CEO. "By working with ICAM, we will further our efforts to provide additional support for our customers."

ICAM's product suite includes CAM-POST® for NC post-processor development with the option for integrated machine tool simulation using Virtual Machine®. ICAM also supports G-code verification driven with Control Emulator™ inside Virtual Machine or CATIA.

ICAM's customers benefit from dramatic improvements to CNC machine optimization, NC programmer productivity and manufacturing process efficiency. ICAM's unique technology and services provide its customers and industry partners with the competitive edge that their business operations and customers demand.

"Manufacturing efficiency and productivity is vital for North American companies to remain competitive on a global scale," says John Nassr, ICAM president and CEO. "With the collaboration with CCAT, ICAM will now be able to provide hands-on training and support services for its integrated NC post-processing, G-Code verification products to manufacturing professionals in the Connecticut and Northeast area."

To learn more about the ICAM Seminar and register, go to: <https://www.etches.com/ereg/index.php?eventid=52296&>. Deadline for registration is December 5, 2012.

 [Click here to return to Contents](#)

## ***ProSTEP iViP Symposium 2013***

12 November 2012

The ProSTEP iViP Symposium will be held 16 and 17 April 2013, at the German Pavilion in Hannover. The Symposium is a neutral PLM-Event with about 500 invited professionals and executives from the manufacturing industry and research, showcasing also the latest developments of more than 20 exhibitors. ProSTEP offers attendees two interesting days, where openness, systems engineering and global cooperation will be key topics.

Save around 10% of the regular participation fee by sending in your registration now. This offer is only valid until 27 January 2013.

# CIMdata PLM Industry Summary

---

The motto of the 2013 ProSTEP iViP Symposium will be “Openness for Global Success”. Attendees can expect a first-class program with 3 parallel sessions featuring international guest speakers, expert lectures and workshops held by representatives from the manufacturing industry, research and science and IT companies. The program also includes high level speakers from companies like e.g. Brose, Siemens PLM and Volkswagen

Furthermore, the accompanying exhibition - which well-known companies have already registered for - will offer you an ideal information and communication environment. And of course your conversations can also be continued in relaxed and pleasant surroundings at the evening event.

The ProSTEP iViP Symposium is realized in cooperation with the sponsors Siemens PLM and Volkswagen.

Additional information as well as the registration form can be found at [www.prostep.org](http://www.prostep.org).

 [Click here to return to Contents](#)

## Financial News

### *Autodesk Reports Third Quarter Results*

15 November 2012

[Autodesk, Inc.](#) reported financial results for the third quarter of fiscal year 2013.

“Our revenue results were disappointing and were primarily caused by a weakening demand environment”

#### **Third Quarter Fiscal 2013**

- Revenue was \$548 million, compared to \$549 million in the third quarter of fiscal 2012.
- GAAP operating margin was 6 percent, compared to 16 percent in the third quarter of fiscal 2012.
- Non-GAAP operating margin increased 190 basis points to 26 percent, compared to 25 percent in the third quarter of fiscal 2012. A reconciliation of GAAP to non-GAAP results is provided in the accompanying tables.
- GAAP diluted earnings per share were \$0.13, compared to \$0.32 in the third quarter of fiscal 2012.
- Non-GAAP diluted earnings per share were \$0.47, compared to \$0.44 in the third quarter of fiscal 2012.

# CIMdata PLM Industry Summary

---

- Cash flow from operating activities was \$157 million, compared to \$138 million in the third quarter of fiscal 2012.

"Our revenue results were disappointing and were primarily caused by a weakening demand environment," said [Carl Bass](#), Autodesk president and CEO. "While we experienced pockets of relative strength in the U.S., northern Europe, and Russia, most other markets around the world slowed during the quarter, most notably emerging markets. Despite our overall revenue shortfall, our ongoing focus on cost management delivered meaningful margin expansion and EPS above our guidance range."

## Third Quarter Operational Overview

EMEA revenue decreased 3 percent to \$196 million, compared to the third quarter last year as reported and increased 3 percent on a constant currency basis. Revenue in the Americas increased 4 percent to \$209 million, compared to the third quarter last year. Revenue in Asia Pacific (APAC) decreased 3 percent to \$142 million, compared to the third quarter last year as reported and decreased 3 percent on a constant currency basis. Revenue from emerging economies decreased 9 percent to \$80 million, compared to the third quarter last year as reported and 5 percent on a constant currency basis. Revenue from emerging economies represented 15 percent of total revenue in the third quarter.

Revenue from the Platform Solutions and Emerging Business (PSEB) segment decreased 2 percent to \$205 million, compared to the third quarter last year. Revenue from the Architecture, Engineering and Construction (AEC) business segment increased 7 percent to \$163 million, compared to the third quarter last year. Revenue from the Manufacturing business segment decreased 1 percent to \$132 million, compared to the third quarter last year. Revenue from the Media and Entertainment business segment decreased 9 percent to \$48 million, compared to the third quarter last year.

Revenue from Flagship products decreased 4 percent to \$298 million, compared to the third quarter last year. Revenue from Suites increased 10 percent to \$166 million, compared to the third quarter last year. Revenue from New and Adjacent products decreased 3 percent to \$84 million, compared to the third quarter last year.

In the third quarter last year, Autodesk recognized a \$10 million, one-time transaction, related to license compliance. This transaction impacted revenue growth rates for license and other, APAC, PSEB, and Flagship. In addition, Superstorm Sandy negatively impacted our business during the last few days of the quarter.

Deferred revenue increased 15 percent to \$714 million, compared to the third quarter last year.

"We achieved strong growth in non-GAAP operating margin, better than expected EPS, strong cash flow from operations, and growth in deferred revenue," said Mark Hawkins, Autodesk executive vice president, chief financial officer. "While our revenue growth target for fiscal 2013 is below our original target, we believe we can still achieve year-over-year non-GAAP operating margin expansion of between 80 and 140 basis points. With over \$1.7 billion in cash and marketable securities, our balance

# CIMdata PLM Industry Summary

---

sheet remains solid.

"Looking forward, due to the increasing uncertainty in the macroeconomic environment and our slower than planned revenue growth in fiscal 2013, we are reassessing our long-term financial model (through fiscal 2015) and are not providing revenue targets at this time," continued Hawkins. "While revenue growth will be a key determining factor in the years to come, we remain committed to growing our non-GAAP operating margin and believe we can achieve a 30+ percent run rate as we exit our fiscal 2015."

## **Business Outlook**

The following statements are forward-looking statements that are based on current expectations and assumptions, and involve risks and uncertainties some of which are set forth below. Autodesk's business outlook for the fourth quarter and full year fiscal 2013 assumes a continuation of the current economic environment and foreign exchange currency rate environment.

### **Fourth Quarter Fiscal 2013**

<b>4Q FY13 Guidance Metrics</b>	<b>4Q FY13 (ending January 31, 2013)</b>
<b>Revenue (in millions)</b>	\$570 - \$600
<b>EPS GAAP</b>	\$0.18 - \$0.26
<b>EPS Non-GAAP</b>	\$0.43 - \$0.51

Non-GAAP earnings per diluted share exclude \$0.13 related to stock-based compensation expense, \$0.03 related to restructuring charges, and \$0.09 for the amortization of acquisition related intangibles, net of tax.

### *Full Year Fiscal 2013*

<b>FY13 Guidance Metrics</b>	<b>FY13 (ending January 31, 2013)</b>
<b>Revenue (in millions)</b>	\$2,275 - \$2,305
<b>EPS GAAP</b>	\$0.92 - \$1.00
<b>EPS Non-GAAP</b>	\$1.84 - \$1.92

Non-GAAP earnings per diluted share exclude \$0.50 related to stock-based compensation expense, \$0.14 related to restructuring charges, \$0.26 for the amortization of acquisition related intangibles and \$0.02 for loss on strategic investments, net of tax.

A reconciliation between the GAAP and non-GAAP estimates for fiscal 2013 is provided in the tables

# CIMdata PLM Industry Summary

---

following this press release.

Both fourth quarter fiscal 2013 and full year fiscal 2013 outlooks assume annual effective tax rates of approximately 24.5 percent and 25.5 percent for GAAP and non-GAAP results, respectively. These rates do not include the federal R&D tax credit benefit, which expired on December 31, 2011, or one-time discrete items. The assumed effective tax rate will be adjusted if or when there is a renewal of the tax credit.

## Earnings Conference Call and Webcast

Autodesk will host its third quarter conference call today at 5:00 p.m. ET. The live broadcast can be accessed at <http://www.autodesk.com/investors>. Supplemental financial information and prepared remarks for the conference call will be posted to the investor relations section of Autodesk's website simultaneously with this press release.

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

A replay of the broadcast will be available at 7:00 pm ET at <http://www.autodesk.com/investors>. This replay will be maintained on Autodesk's website for at least 12 months.

More financial data is available on the [Autodesk website](#).

 [Click here to return to Contents](#)

## *AVEVA: Interim Results for the Six Months Ended 30 September 2012*

12 November 2012

### Financial Highlights

	2012	2011	% Change
Revenue	£97.6m	£85.2m	15%
Adjusted profit before tax	£28.7m	£26.1m	10%
Profit before tax	£25.8m	£23.8m	8%
Adjusted profit before tax margin	29.4%	30.6%	
Basic earnings per share	27.03p	24.26p	11%
Adjusted basic earnings per	30.19p	26.98p	12%

# CIMdata PLM Industry Summary

---

share			
Net cash	£166.4m	£157.5m	6%
Interim dividend per share	4.5p	4.0p	13%

## Operational Highlights

### Global growth platform

- Revenue growth across all regions; Asia Pacific +21%, EMEA +13%, Americas +6%
- Investment in Indian business, new office in Mumbai, expansion in Hyderabad
- New China business making good progress

### Technology leadership and investment reinforced with successful launch of new product AVEVA Everything3D (E3D)

- Growth opportunity with leading-edge technology
- Enables “Lean” working practices in plant project execution
- Very positive initial customer interest and feedback

### Long-term customer partnerships

- Recurring revenue up 14%, representing 69% of total revenue
- Engineering & Design Systems growth from extending footprint within the engineering contractors
- Enterprise Solutions continuing to make progress with Owner Operators

Commenting on the outlook, Chief Executive Richard Longdon said: 'As AVEVA celebrates its 45th anniversary, these results highlight the breadth, quality and scale of our global business today, with multiple growth drivers across geographies and industries. The recent launch of our new, leading-edge product, AVEVA Everything3D, highlights our ability to maintain technology leadership through continuous innovation, which in turn drives growth and strengthens our customer relationships.'

 [Click here to return to Contents](#)

## ***Rand Worldwide Reports First Quarter Fiscal Year 2013 Results***

14 November 2012

Rand Worldwide, Inc., a global provider of technology solutions to organizations with engineering design and information technology requirements, announces financial results for its first quarter ended September 30, 2012.

## CIMdata PLM Industry Summary

---

For the quarter ended September 30, 2012, Rand Worldwide, Inc. reported revenues of \$21.6 million, compared with \$21.9 million for the same quarter in the prior fiscal year. The Company's overall gross margin was 49.0%, a significant increase from the 43.3% reported for the first quarter of fiscal 2012, resulting in net income of \$576,000, or \$0.01 per fully diluted share. For the quarter ended September 30, 2011, Rand Worldwide reported net income of \$402,000, or \$0.01 per fully diluted share.

Lawrence Rychlak, president and chief financial officer at Rand Worldwide, commented, "In this quarter, we were able to increase our net income by 43% from the levels we reported in the same quarter last year due to a positive revenue mix which helped to drive higher overall gross margins. In addition, we continue to generate good levels of cash flow which supported a significant investment in our IT infrastructure and the acquisition of a specialty computer-aided engineering consulting company that we closed in July of this year."

Marc Dulude, chief executive officer of Rand Worldwide, noted that, "The investments we have made in our various sales forces are beginning to add the capacity we intended and we noted that our archiving business was especially productive this quarter as sales of our Rand Secure Archive product suite continue to grow significantly. These returns on investments made over the past year are gratifying to us as a company."

### Conference call details

Rand Worldwide will hold a conference call to discuss its first quarter 2013 results at 11:00 am ET on Wednesday November 14, 2012. The dial-in numbers for the conference call are 1 (866) 700-7477 (domestic) or 1 (617) 213-8840 (International), and enter the passcode (99124529). A live, listen-only Webcast of the conference call will be available to all investors in the Investor Relations section of the Company's [Web site](#).

[View PDF for Tables.](#)

 [Click here to return to Contents](#)

## Implementation Investments

### ***Amazon Web Services Certified to Run SAP Business Suite for Production Applications***

15 November 2012

*Customers of all sizes can now deploy SAP Business Suite applications in production on the AWS platform to gain increased agility and infrastructure cost savings*

Amazon Web Services, Inc. (AWS), an Amazon.com company announced that SAP Business Suite software is now certified by SAP to run in production on the AWS Cloud. These products include the SAP Enterprise Resource Planning (SAP ERP), SAP Customer Relationship Management (SAP CRM), SAP Product Lifecycle Management (SAP PLM), SAP Supply Chain Management (SAP SCM) and SAP Supplier Relationship Management (SAP SRM) applications. Enterprises running SAP Business

# CIMdata PLM Industry Summary

---

Suite can now leverage the on-demand, pay-as-you-go AWS platform to support thousands of concurrent users in production without making costly capital expenditures for their underlying infrastructure. SAP Business Suite certified for use on AWS follows the announcement made last month that the SAP HANA One platform is certified for production use on AWS and available on AWS Marketplace. For more information on deploying SAP solutions on AWS, visit <http://aws.amazon.com/sap>

“Enterprises continue to look for ways to innovate faster, cut costs and standardize their use of AWS across their whole IT landscape,” said Terry Wise, Head of Worldwide Partner Ecosystem, AWS. “With SAP Business Suite running in production on AWS, enterprises can take advantage of the AWS pay-as-you-go model to run their applications securely, quickly and cost-effectively, paying only for the resources used.”

“Customers large and small are experiencing tremendous success when running their SAP applications on AWS, whether it’s SAP HANA One and now SAP Business Suite,” said Kevin Ichhpurani, Senior Vice President, Ecosystem and Channels, SAP. “Today’s announcement provides enterprises the ability to use the cloud to flexibly deploy their largest and most sophisticated SAP applications quickly and scale up as the business grows.”

“We have been using AWS for 3 years and, during that time, we’ve saved over \$1 million in estimated infrastructure costs,” said Theresa Miller, CIO and EVP, Information Technology, LIONSGATE. “As a predominately SAP shop, the ability to run SAP applications on AWS was very important for our enterprise application workloads. We already utilize SAP solutions in a Windows environment on AWS and are pleased that we’ll be able to run SAP Business Suite on AWS for development, testing and production applications.” LIONSGATE is a global entertainment company that produces feature films and television programming.

“Capgemini has been a growing partner with AWS and together our focus on innovation is helping lead the transformation of corporate IT,” said Joe Coyle, VP and NA CTO Capgemini. “We have many enterprise customers in manufacturing, software development, and retail who will benefit by running their SAP applications on AWS and will anticipate being able to do so with the certification of SAP Business Suite on AWS. In offering SAP applications on AWS we expect to see customers innovate quicker and at a lower cost, creating more opportunities to focus on their core business.”

SAP solutions now certified for production use on AWS include SAP Business Suite, SAP Hana One, SAP Business All-in-One solutions, SAP Rapid Deployment solutions, SAP Afaria, and SAP Business Objects business intelligence (BI) solutions. To learn more about running SAP on AWS and the cost savings that can be achieved, visit <http://aws.amazon.com/sap>.

## **About Amazon Web Services**

Launched in 2006, Amazon Web Services (AWS) began exposing key infrastructure services to businesses in the form of web services -- now widely known as cloud computing. The ultimate benefit of

# CIMdata PLM Industry Summary

---

cloud computing, and AWS, is the ability to leverage a new business model and turn capital infrastructure expenses into variable costs. Businesses no longer need to plan and procure servers and other IT resources weeks or months in advance. Using AWS, businesses can take advantage of Amazon's expertise and economies of scale to access resources when their business needs them, delivering results faster and at a lower cost. Today, Amazon Web Services provides a highly reliable, scalable, low-cost infrastructure platform in the cloud that powers hundreds of thousands of enterprise, government and startup customers businesses in 190 countries around the world. AWS offers over 30 different services, including Amazon Elastic Compute Cloud (Amazon EC2), Amazon Simple Storage Service (Amazon S3) and Amazon Relational Database Service (Amazon RDS). AWS services are available to customers from data center locations in the U.S., Brazil, Europe, Japan, Singapore and Australia.

 [Click here to return to Contents](#)

## ***Ascena Retail Group Goes Live With TradeStone PLM for Retail and Collaborative Sourcing***

12 November 2012

[TradeStone Software](#) delivering Merchandise Lifecycle Management (MLM) solutions that unify the design, sourcing, ordering and delivery of retail goods, today announced Ascena Retail Group has gone live with PLM for Retail and Collaborative Sourcing in 18 weeks at its subsidiary, Tween Brands, which encompasses both the Justice and Brothers retail brands.

TradeStone's [Merchandise Lifecycle Management](#) suite is enabling Ascena to drive collaboration, enhance consistency and improve efficiency across the organization.

The first phase of the broader Merchandise Lifecycle Management transformation encompasses key capabilities in [TradeStone's PLM for Retail](#) and [Collaborative Sourcing](#) modules including material, color and artwork libraries, color palettes, design intent, points of measure, tech pack development including sample management, RFQs, offers, and three-way sourcing with the company's international sourcing offices.

User adoption and feedback has been very positive with quick wins including a reduction in time and manual labor, and automated workflow process and communication between designers, tech designers and vendors.

"In the selection process, TradeStone became our vendor of choice because they represented a strategic vision that understood our space, how we work and could enable us to have one unified system for our product development, design, merchandise, and sourcing teams," said Ronnie Robinson, Executive Vice President, Ascena Global Sourcing. "The fact that they have delivered on that unified vision so quickly is exciting for the organization and our users. We look forward to what the next phase will bring."

# CIMdata PLM Industry Summary

---

"Ascena Retail Group was a significant win for us and they have been a fantastic partner to work with," said Chris Morrison, Chief Operating Officer, TradeStone Software. "This go-live is another testament to what our team can achieve in a short timeframe. We are proud to be setting the industry standard for quick implementations that ensure continuity and enhance user adoption."

More information can be found on the Web at [www.tradestonesoftware.com](http://www.tradestonesoftware.com) and/or visit us on [LinkedIn](#), [Facebook](#) and [Twitter](#).

 [Click here to return to Contents](#)

## ***AVEVA Enterprise solution implemented by Suncor Energy***

15 November 2012

*AVEVA NET offers one of Canada's largest oil sands producers' operational efficiency and cost savings with third-party integration*

AVEVA announced that Suncor Energy has implemented AVEVA NET to support its data integrity management program for a new bitumen processing project in Alberta. The AVEVA NET software will provide validation of tag data and the identification of maintenance-significant tags and their corresponding key attributes to be uploaded into Suncor's SAP Production and Maintenance system throughout the operation of the new facility. AVEVA NET will replace a costly manual process, achieving considerable efficiencies and cost savings.

"We were impressed with AVEVA NET's rapid and robust data loading technology and its agile deployment capabilities," said Jody Blotski, Master Data Manager, Project Services – Major Projects, Suncor. "Traditional data warehouses take a long time to set up with immediate benefits hard to realize. By contrast, AVEVA NET has proved to be both agile and pragmatic, which has allowed us to quickly gain value. The large amount of data we need to process can easily be handled by AVEVA NET, so the potential cost savings are enormous."

"This implementation is a great example of AVEVA NET interfacing with third-party systems and offering tangible cost savings when pitched against competitive solutions," added William Muldoon, Executive Vice President-North America, AVEVA. "Suncor is benefiting from an information management system specifically designed for assisting major projects to cross the data information chasm between engineering and operations. The combined strengths of the AVEVA team and our technology have enabled this significant win against our competitors. Suncor also provides a great reference for the extension of our AVEVA NET North American footprint in plant operations and maintenance."

Part of the AVEVA Enterprise portfolio, AVEVA NET is a suite of powerful and secure information management solutions that enable the collation, contextualization, validation and visualization of all project and asset data and documents, irrespective of location or source program. Information can

# CIMdata PLM Industry Summary

---

originate from AVEVA or third-party software, from business systems, or from tailored applications implemented by AVEVA's enterprise solutions specialists. To learn more about AVEVA NET visit [www.aveva.com/avevanet](http://www.aveva.com/avevanet).

 [Click here to return to Contents](#)

## ***Cabela's Selects PTC to Speed Innovation and Accelerate Time-to-Value***

13 November 2012

[PTC](#) today announced that Cabela's has chosen PTC Windchill® *FlexPLM*® software, PTC's Product Lifecycle Management (PLM) solution for retail, to eliminate redundant tasks and enable more time for creativity and innovation. That emphasis on speed to innovation will enable Cabela's to introduce more Cabela's brand products to the assortment each season, thereby growing its overall brand in the US and globally.

Cabela's is using PTC PLM solutions to manage the entire lifecycle of their apparel products from conception through design, technical design, sourcing, and manufacturing to commercialization. By integrating business processes, workflow and data, PTC solutions are enabling Cabela's to increase fill rates and improve margins, thus supporting Cabela's core strategy of improving merchandising performance.

In selecting PTC solutions, Cabela's was particularly interested in the proven processes and practices enabled by its out-of-the-box capabilities. Being able to implement a comprehensive retail PLM system in a short period of time has allowed Cabela's to quickly realize value and reduce product cycle-time from ideation to commercialization.

"We take our brand very seriously at Cabela's and that is why we partnered with PTC," said Gabriel Garcia, PLM Manager for Cabela's. "Being able to implement a best practices PLM solution out-of-the-box was crucial for us. By week three with PTC, we were already adding design content and adding much more to our apparel brand line."

"With all of the change and challenges in the retail industry today, Cabela's recognized the clear advantage of deploying a comprehensive PLM solution and chose PTC to deliver that solution quickly and efficiently," said Beth Borland, Director of Retail & Consumer strategy, PTC. "Now that their Apparel division has successfully implemented PTC Windchill – and immediately began to see the business benefits - we are excited to continue working with Cabela's to roll out to their Footwear and Hardgoods Products divisions so that they too can expand their lines and the overall Cabela's brand."

The PTC Windchill-based enterprise solution for the Retail and Consumer industries is designed to address both industry-specific challenges, as well as everyday business pressures. It offers a high-performance, Web-based platform that provides line planning, specification management, merchandizing, product development, sourcing, costing, quality and compliance with full supply chain

collaboration capabilities for managing the complete product lifecycle.

 [Click here to return to Contents](#)

## ***Delcam Supports Move to Larger and More Complex Parts at dalau***

9 November 2012

In a move to enable the company to machine larger and more complex plastic parts to high levels of precision, dalau has added a new DMG machine, programmed with Delcam's FeatureCAM feature-based CAM system, and a Hexagon inspection arm using PowerINSPECT inspection software.

Founded as a family business in 1955, dalau, which is based in Clacton-on-Sea, has grown to become the largest processor of polytetrafluoroethylene (PTFE) in the UK. It has subsidiaries in New Hampshire USA, and in Turkheim, Germany, and recently opened a factory in Suzhou China, to supply 35 countries around the world.

The company has always focused on challenging applications for its materials. In the early 1970s, it supplied over 100 slide pads for the Sydney Opera House to sit on, allowing the building to move during the tidal movements from summer to winter. Another critical application was a BP contract to supply PTFE sliding pads to a new ultra-deep-water offshore floating oil rig of the coast of Angola.

More recently dalau products have been specified for some of the world's most prestigious projects across a diverse range of industrial sectors. The company manufactures parts for Formula 1 racing cars and has been given AS 9100 approval to produce components for the new Airbus 380 and the Eurofighter. It also machines hi-tech miniature components for electronic applications, using the latest technology in micro-machining.

"We started out machining small parts, about 25mm at the largest, on a sliding-head auto-lathe," remembered Philip Alston, Production Manager for Machined Components at dalau. "Most of those designs were relatively simple turned parts".

"As our customers started to demand larger and more complex designs, we realised that we would need to move to five-axis milling to remain competitive. I first saw Delcam's software when I visited a company in Coventry to evaluate a five-axis machine we were thinking about buying. The user there was full of enthusiasm for both the Delcam programs and the company. Eventually, we decided on a Cincinnati machine, which also came with a recommendation to use Delcam software for programming."

"I visited Delcam in Birmingham for an in-depth demonstration soon after and was really impressed with how easy the operator made the software look. Of course, it wasn't as simple for us at first because all our expertise was in turning rather than milling but, with the help of Delcam's support team, we were

# CIMdata PLM Industry Summary

---

soon taking full advantage of the software.”

"PowerSHAPE has been a real bonus as our design capabilities were limited before we had 3D software. Even though we try to get 3D models from our customers as often as possible, we still use PowerSHAPE to develop some designs from drawings. PowerMILL has also made a big contribution in making the most of our five-axis machine.”

Most recently, dalau has increased its capabilities with a DMG CTX Gamma 2000 TC, the first machine of its type to be installed in the UK. This incorporates a combination milling and turning spindle, with an NC-controlled B-axis to enable the production of even larger and more complex designs. The new DMG is housed in a fully-enclosed, temperature-controlled room, together with the inspection arm, allowing final inspection on the machine.

"Since we first added PowerSHAPE and PowerMILL, I've never really thought about looking at any software other than Delcam," said Mr. Alston. "When we added to new machine and the inspection arm, Delcam's FeatureCAM and PowerINSPECT software were easy choices to make.”

 [Click here to return to Contents](#)

## ***SOLID EDGE NOW AVAILABLE FREE TO ALL SECONDARY SCHOOL EDUCATORS***

14 November 2012

### *Siemens PLM Software Continues Investment in STEM Education to Meet Growing Demand for Engineering Graduates*

As part of its ongoing investment in science, technology, engineering and math (STEM) education, [Siemens PLM Software](#) today announced a free High School Edition of its [Solid Edge® software](#) for 3D computer-aided design (CAD) that is now available for educators in all secondary schools throughout the world. The software is being made available to teachers and instructors in an effort to expose students to the same engineering and product design tools used by manufacturers worldwide, and encourage them to pursue STEM careers, thus helping address the global skills shortage in engineering and related fields. Educators can download a free 12-month academic site license at [www.siemens.com/plm/solid-edge-highschool](http://www.siemens.com/plm/solid-edge-highschool). “The global manufacturing community – including our customers – need a steady stream of engineering talent that understands how to use modern technology to innovate and create products to meet the growing demands and challenges of the marketplace,” said Karsten Newbury, senior vice president and general manager, Mainstream Engineering Software, Siemens PLM Software. “Through our long-term commitment to STEM education, we hope to nurture the inventors and innovators of the future. As students enter high school they begin making decisions about higher-education and potential careers. The free High School Edition of Solid Edge will help educators expose students to advanced CAD design, giving them a glimpse into possible career opportunities.”

# CIMdata PLM Industry Summary

---

The High School Edition of Solid Edge builds on the success of the [Student Edition](#), which gives free access to all full- or part-time students throughout the world at any academic level. The High School Edition now gives teachers and instructors access to Solid Edge for use in both the classroom and in extra-curricular projects. By providing both educators and students with the latest 3D CAD technology that is easy-to-learn and use, Siemens aims to help educators increase student interest in STEM. And by offering these academic editions of Solid Edge at no cost, , Siemens is helping to address the persistent tightening of school budgets. The High School Edition of Solid Edge contains Siemens PLM Software's unique synchronous technology, which combines the speed and flexibility of direct modeling with the precise control of dimension-driven design. Schools will have access to the full function modules of Solid Edge drafting, sheet metal, surfacing and advanced assembly design. The 12 month, free license can be renewed on an annual basis.

For more information and access to free learning tutorials and self-paced training, please visit the [Solid Edge educator resource page](#) or go directly to [download the High School Edition](#).

 [Click here to return to Contents](#)

## ***Uniforms maker STEPS to increase production with NGC tool***

13 November 2012

[NGC Software](#)® announced that STEPS Inc., a non-profit organization that employs individuals with disabilities to manufacture uniforms and military apparel, has upgraded to the latest version of NGC's Shop Floor Control software.

STEPS' services assist individuals with disabilities to become fully integrated, tax-paying members of their local communities. An NGC customer for over 14 years, STEPS has managed its Victoria, Virginia manufacturing facility with NGC's Shop Floor Control. The latest version allows STEPS to improve operational efficiency and increase production output through enhanced reporting capabilities, improved resource planning and elimination of bottlenecks—all on one system.

The new features of NGC's [Shop Floor Control](#) include the following:

- ***Improved production with fast, easy reporting.*** NGC Shop Floor Control's daily reporting gives STEPS clear visibility and insight into the productivity of its factory, allowing the company to control costs more effectively.
- ***Increased operational efficiency.*** The new NGC software will allow STEPS to easily analyze labor utilization on a daily basis, enabling STEPS to control costs and provide visibility and insight into productivity of its factories.
- ***Assured Quality Control.*** STEPS' reputation for producing high quality garments is supported through NGC's Shop Floor Control quality control features. NGC's software collects data in real-time and provides STEPS with highly detailed quality reports.

# CIMdata PLM Industry Summary

---

“STEPS provides extremely beneficial services to members of its community and to its customers,” said Mark Burstein, president of sales, marketing and R&D, NGC Software. “NGC produces the most complete and widely installed shop floor control system available in the industry, and we're pleased to continue our long-term relationship with STEPS to help the organization continue its work.”

## About NGC

NGC Software is a provider of [PLM](#), [Supply Chain Management](#), [ERP](#) and Shop Floor Control software and services for brands, retailers and consumer products companies. NGC solutions help increase profitability, reduce costs, improve speed to market and product quality, and manage compliance and testing. For more information, visit <http://www.ngcsoftware.com/>.

 [Click here to return to Contents](#)

## *ZW3D Highlights Lakowa Implementation*

16 November 2012

Lakowa is a development partner, systems supplier, and manufacturer that was founded in Wilthen, Germany in 1913. They specialize in developing and producing extraordinary plastic parts and use the [3D CAD/CAM](#) solution, ZW3D to design them.

In 2004, [Lakowa](#) decided to upgrade its development tools because they were having difficulty with their current system's lack of surface functions when attempting 3D constructions. [ZW3D](#) was chosen because of its innovative and self geometric modeling kernel with surface features. The custom modules for tools and CAM processing as well as accurate data exchange aided this decision. The excellent value for money along with compelling service from [Encee](#), ZW3D's reseller in Germany was also a crucial factor.

## Multiple Interfaces

Lakowa's custom development department has 10 licenses on ZW3D. It helps the engineers fulfill challenging tasks by taking in account the customers' own tools, production techniques and manufactured products. “The acquisition of the data model in ZW3D works better each year”, commented Andreas Happel, Director of Engineering and Development “The program is evolving quickly and emphatically.”

Most data Lakowa receives is native [CATIA-files](#), which is taken as STEP-data with module parameters. The models are then modified according to requirements of process technology and it is completed in ZW3D without a hitch.

## Specific and Useful Functions

# CIMdata PLM Industry Summary

---

Lakowa mainly receives orders for new development within existing assembly-structures that are meant to take place within ambient conditions. The stable hybrid modeler has all the features that can be found in much more expensive CAD programs and ZW3D has specific and very useful functions for the preparation of thermoforming: for example, geometrical figures can be quickly and easily checked for undercuts.

## Continuous CAD/CAM Functions

“The process of data transfer regarding design and part-design for manufacturing molds was an important criterion in selecting the program” said Andreas Happel. The powerful CAM module of ZW3D is used for: de-molding plastic parts that are provided by in-house production facilities and cut with openings and holes. The 5 axis milling programs are created directly in the ZW3D – without interface data loss or duplication.

## Individual Support and Training

Encee’s excellent reputation has once again shown through with their attentiveness and quality of service. Phone inquiries, remote maintenance requests and difficult cases are handled quickly and efficiently. Encee also provides personnel training where participants are asked to consider and review problems they have encountered in order to provide the others with comprehensive and reasonable solutions. This saves a lot of time and constantly enables Lakowa to improve the way they work.

Success speaks for itself: Lakowa was able to expand its RIM-part-manufacturing, molding, CNC machining and assembly. ZW3D has proven it can meet their demands and more.

## About ZW3D

[ZW3D](#) is cost-effective CAD/CAM software for 3D modeling, mold design, and machining, which takes engineers from concept to finished product in one easy-to-use, single collaborative environment.

 [Click here to return to Contents](#)

## Product News

### *Accelrys Materials Studio Release 6.1 Speeds Innovation with Enterprise Capabilities*

15 November 2012

Accelrys, Inc., a provider of scientific innovation lifecycle management software, today announced release 6.1 of the Accelrys Materials Studio® modeling and simulation environment, providing seamless integration with the Accelrys Pipeline Pilot scientific authoring application, the scientifically aware Accelrys Enterprise Platform and Accelrys Materials Studio Collection. This newly integrated offering enables computational scientists to innovate and collaborate across the global enterprise for the first time, speeding time to market and improving competitiveness with a scientific innovation lifecycle

# CIMdata PLM Industry Summary

---

management approach extending across the discovery-to-lab-to-plant continuum.

To view the multimedia assets associated with this release, please click <http://www.prnewswire.com/news-releases/accelrysmaterials-studio-release-61-speeds-innovation-with-enterprise-capabilities-179410901.html>

"The Pipeline Pilot protocols we've developed with the Materials Studio Collection save hours of time," said Dr. Misbah Sarwar, research scientist at Johnson-Matthey. "Typically, calculating the adsorption and segregation energies for all the materials would take approximately a day if done manually including plotting charts. The Pipeline Pilot protocol does this in seconds."

Accelrys Materials Studio release 6.1 accelerates product innovation by enabling experts to encapsulate and automate computational best practices in reusable "protocols" using Accelrys Pipeline Pilot. Integration with the Accelrys Enterprise Platform then provides the ability to deploy computational science to the global enterprise by exposing protocols in web browsers and other applications such as Accelrys Electronic Laboratory Notebooks and Microsoft Excel spreadsheets. By enabling scientists to leverage computational science rather than test and experimentation alone, Accelrys Materials Studio accelerates the development of new, better performing, more sustainable and cost-effective materials.

"Bundled with Accelrys Pipeline Pilot and the Accelrys Enterprise Platform, the latest release of Accelrys Materials Studio is another proof point demonstrating the value of automating and extending computational science across the enterprise on a single platform in a unified, collaborative environment," said Accelrys' Senior Vice President and Chief Technology Officer, Matt Hahn, Ph.D.

To learn more about modeling and simulation advancements with the latest Materials Studio release, register for the webinar on "What's New in Accelrys Materials Studio 6.1," scheduled for Dec. 4, 2012.

## **About Accelrys, Inc.**

Accelrys, a provider of scientific innovation lifecycle management software, supports industries and organizations that rely on scientific innovation to differentiate themselves. The Accelrys Enterprise Platform provides a broad, flexible scientific solution optimized to integrate the diversity of science, experimental processes and information requirements across the research, development, process scale-up and early manufacturing phases of product development. By incorporating capabilities in applications for modeling and simulation, enterprise lab management, workflow and automation, and data management and informatics, Accelrys enables scientific innovators to access, organize, analyze and share data in unprecedented ways, ultimately enhancing innovation, improving productivity and compliance, reducing costs and speeding time from lab to market. Accelrys solutions are used by more than 1,300 companies in the pharmaceutical, biotechnology, energy, chemicals, aerospace, consumer packaged goods and industrial products industries. Headquartered in San Diego, Calif., Accelrys employs more than 200 full-time PhD scientists. For more information about Accelrys, visit [www.accelrys.com](http://www.accelrys.com).

 [Click here to return to Contents](#)

## ***Altair Introduces Display Manager for Remote Visualization of Big Data***

12 November 2012

At [Supercomputing 2012](#) in Salt Lake City, Utah, [Altair](#) (booth #3015) today unveiled Display Manager, a new portal for remote visualization of extremely large models developed from Big Data resources.

Display Manager, which will become generally available in the near future, enables users to run graphics-intensive applications on their cluster while visualizing those applications on their desktop. Because applications run directly from the data center, users can take advantage of shared, powerful, GPU-enabled hardware in the data center – and use their Web browser to view, edit, interact with and control the graphical apps remotely. As a result, the enterprise can buy fewer high-end graphics systems, and avoid purchasing a costly high-end graphics desktop for each engineer. Display Manager enables sharing of HPC-class systems housed in the datacenter (or in an HPC cluster) among all the engineers in the enterprise.

Because Display Manager shows graphical applications directly from the cluster via a browser, Big Data files remain on the cluster, with no copying required, for faster, easier, more efficient operation. This also increases data security, since proprietary data remains inside the data center at all times.

"Remote visualization is a key Big Data technology, allowing huge datasets to be manipulated from thin clients," said Bill Nitzberg, chief technology officer for PBS Works at Altair. "Display Manager leverages Altair's deep knowhow in modeling and visualization from our globally acclaimed HyperWorks suite to deliver an amazing remote visualization experience directly from the Web browser, without the need to install any apps on the desktop."

In addition, multiple users can collaborate directly from within Display Manager by simply sharing sessions. Authorized users can all view and control a single session without downloading any files. This virtual-team productivity feature can save the costs associated with expensive face-to-face meetings and eliminate the need for multiple users in different sites to download Big Data files.

Display Manager can adjust fidelity to match network bandwidth and latency, continuously providing real-time responsiveness, whether operating on a LAN or a wide-area network. Its open architecture is compatible with any of the user's existing Altair or third-party applications; no additional application investments are required and no modifications are necessary.

Display Manager can be used as a standalone technology or can be seamlessly integrated with Compute Manager in an easy-to-use fashion for enterprises with large HPC clusters.

# CIMdata PLM Industry Summary

---

For a full list of live demos being presented by PBS Works at SC12, please visit [PBS Works](#).

 [Click here to return to Contents](#)

## ***Altair Unveils PBS Analytics 12 at Supercomputing 2012 - Delivering Faster, More Insightful Data Analysis and Visualization of HPC Workloads***

14 November 2012

[Supercomputing 2012](#) in Salt Lake City, Utah, [Altair](#) introduced [PBS Analytics 12.0](#), a significantly advanced version of its popular data analysis and visualization tool for high-performance computing. PBS Analytics furnishes a deeper, more accurate understanding of an organization's HPC infrastructure for cost allocation, capacity planning, and improving your overall ROI.

PBS Analytics 12.0, to be released soon, has been rebuilt from the ground up to meet a rapidly growing demand for increasingly comprehensive analysis of HPC usage with sophisticated charts and dashboards – tracking jobs and resources, implementing chargeback and showback accounting, performing root-cause analyses and even visualizing power use. With its new features, huge volumes of data can be analyzed quickly and easily.

"Our latest PBS Analytics software is brand new, both inside and out," said Bill Nitzberg, chief technology officer for PBS Works at Altair. "We've incorporated a new, high-performance database, re-engineered our data collectors to be more robust and completely redesigned the user experience. PBS Analytics 12.0 provides the charts users need out-of-the-box, delivers snappy performance, and scales up to support millions of job records."

Administrators can immediately be productive with PBS Analytics 12.0 by taking advantage of the built-in charts, including new productivity charts and new efficiency charts. There is no steep learning curve. A new utilization chart shows the percentage of utilization adjusted for configuration of the system, accounting for the addition or deletion of nodes over time. This capability can improve overall IT efficiency and justify IT investments by illuminating actual usage. It also enables discovery of usage hot spots, pinpointing where adding additional resources will have the greatest impact and usage "deserts," where resources can be replaced.

In addition to the out-of-the-box charts, PBS Analytics 12.0 is more customizable than ever. A new chart designer makes creating custom charts quick and simple. PBS Analytics 12.0 adds support for site-defined PBS Professional resources, such as GPUs, licenses, and scratch space. Finally, administrators can define totally customized metrics, adding their own unique, enterprise-specific measures directly into the data stream.

# CIMdata PLM Industry Summary

---

Using PBS Analytics 12.0 requires only a browser-based user interface, a set of Web services and one or more data importers to introduce data into the PBS Analytics database.

For a full list of live demos being presented by PBS Works at SC12, please visit [PBS Works](#).

## About Altair

Altair empowers client innovation and decision-making through technology that optimizes the analysis, management and visualization of business and engineering information. Privately held, with more than 1,500 employees, Altair has offices throughout North America, South America, Europe and Asia/Pacific. With a 26-year track record for high-end software and consulting services for engineering, high-performance computing and enterprise analytics, Altair consistently delivers a competitive advantage to customers in a broad range of industries. To learn more, visit [www.altair.com](http://www.altair.com) and [www.simulatetoinnovate.com](http://www.simulatetoinnovate.com).

 [Click here to return to Contents](#)

## ***ANSYS® 14.5 Bolsters Product Performance and Integrity Through Deeper Design Insight***

13 November 2012

Building upon its comprehensive portfolio of advanced multiphysics engineering simulation technology, ANSYS today released [version 14.5](#) to further support an integrated and streamlined approach to design exploration and the creation of a complete virtual prototype. New multiphysics capabilities are seamlessly brought together with the ANSYS Workbench platform to deliver engineering productivity and innovation.

In the real world, product performance varies by operating conditions, consumer usage, manufacturing processes and material properties. As products become increasingly complex, it is more challenging for engineers to fully understand the performance implications of design variations. Multiphysics simulation technology enables companies to make informed decisions based on insight gained from these analyses to deliver optimal results. Built on a platform that streamlines workflow among simulation applications, ANSYS 14.5 delivers many new and critical multiphysics solutions, enhancements to pre-processing and meshing capabilities as well as a new parametric high-performance computing (HPC) licensing model to make design exploration more scalable.

"It's no secret that while today's products are getting smarter, they're also becoming more complex," said Jim Cashman, president and CEO at ANSYS. "Having a holistic view of the product requirements and design is crucial to reduce design uncertainty and ultimately create a successful product. Our customers are depending on the depth and breadth of ANSYS 14.5 and our Workbench platform to confidently predict how their products will perform and, at the end of the day, provide good value and satisfaction to their customers."

## **NEW PARAMETRIC LICENSING SOLUTIONS FOR DESIGN EXPLORATION**

# CIMdata PLM Industry Summary

---

ANSYS 14.5 builds on a tradition of HPC leadership. The technology supports robust design exploration via a combination of Workbench's enhanced parametric simulation technology with improved job management and a new HPC licensing solution that enables scalable throughput computing.

Specifically, the new [HPC Parametric Pack](#) amplifies the available licenses for individual applications (pre-processing, meshing, solve, HPC, post-processing), enabling simultaneous execution of multiple design points while consuming just one set of application licenses.

## **CHIP—PACKAGE—SYSTEM DESIGN FLOW**

To meet increasing market demands of higher performance, smaller size and lower-cost electronics, the design of electronic chips, packages and systems requires an integrated analysis and verification methodology. To resolve these challenges, ANSYS 14.5 introduces the first chip—package—system (CPS) design flow on the market. This coupled approach addresses multidisciplinary requirements from the first phase of the design process and results in a final product whose individual components work together as an integrated system.

ANSYS 14.5's new CPS design flow links ANSYS subsidiary Apache Design's integrated circuit (IC) power analysis products to ANSYS' electromagnetic field simulation products. Additionally, the power delivery network channel builder automatically connects electronic package models from ANSYS SIwave™ to IC power simulations in Apache's RedHawk™ and Totem™ for increased convenience.

## **ADVANCED MESHING SOLUTIONS**

Users of ANSYS 14.5 can create higher-fidelity simulation results faster. ANSYS TGrid™ functionalities are integrated in the ANSYS Fluent® environment in version 14.5 to further reduce pre-processing time. CAD readers and new advanced surface meshing capabilities are also integrated and available in a single user environment. Additionally, meshing enhancements allow for higher-quality hexahedral meshes that result in smaller problem size and overall reduced solver time.

## **COMPLEX 3-D COMPOSITES SHAPE SIMULATION**

The use of composites parts across different industries is growing due to their ability to reduce the weight of a product. While many composites can be efficiently modeled as thin structures, some complex geometries, such as turbine blades, pressure vessels and automotive structures, require the setup of 3-D models and their inclusion within larger assemblies made of non-composites parts. ANSYS Workbench provides the necessary framework and streamlined workflow in version 14.5 to further improve the ability to [create 3-D layered composites](#) from complex geometry and conveniently combine them with non-composites parts in global assemblies.

## **EXTENDED FLUID—THERMAL MULTIPHYSICS CAPABILITIES**

Continuing its history of innovation in multiphysics, ANSYS 14.5 introduces extended [fluid—thermal capabilities](#), such as two-way coupling between fluid simulation in ANSYS Fluent and electromagnetic field simulation in ANSYS Maxwell®. The ANSYS Workbench platform supports the efficient coupling of multiple physics models and, when paired with this new feature, users can quickly and accurately predict losses and understand the effects of temperature on material performance in electromechanical

devices such as motors and transformers.

A holistic solution for one-way thermal—fluid—structure interaction (FSI), ANSYS system coupling supports a wide variety of one-way thermal FSI workflows, which promotes higher-fidelity simulations. Furthermore, the robustness of coupled two-way force/displacement FSI is enhanced, allowing engineers to gain insight into their complete products more quickly and with less hassle. A global liquid food packaging and processing leader, Tetra Pak, has seen marked improvements with 14.5's new two-way FSI capabilities:

"Historically, simulating two-way FSI has been an incredibly time-consuming and complex process and, in some applications, not even possible," said Ulf Lindblad, technology specialist at Tetra Pak. "The solution stabilization algorithm implemented in ANSYS 14.5 broadens the range of applications where we can execute this difficult task with increased accuracy and efficiency. Designing our systems with optimized FSI will ultimately lead to improved machine performance for our customers and improved package performance for their consumers."

## **ESTEREL TECHNOLOGIES SCADE SUITE® COUPLING WITH ANSYS SIMPLORER®**

A systems-level engineering approach that brings hardware and software together earlier in the design process is crucial to avoiding design errors being introduced at a point when changes are costly.

With the integration of recently acquired ANSYS subsidiary Esterel Technologies' SCADE Suite with ANSYS Simplorer in version 14.5, companies can virtually validate power electronic and mechatronic systems earlier in the design process by simulating the embedded software with the hardware, including electrical, mechanical and fluidic subsystems. This capability increases the design fidelity and boosts confidence that products will perform as expected in the real world.

## **ANSYS HFSS™ FOR ECAD INTEGRATION**

As companies face pressure to do more with their current engineering resources, ANSYS 14.5 further streamlines the design workflow and introduces ANSYS HFSS for ECAD. This capability contributes to accuracy by enabling engineers to run complex 3-D HFSS simulations directly from the ANSYS Designer layout-based interface and from other popular layout-based ECAD environments.

Scott McMorrow, director of engineering at Teraspeed Consulting Group LLC, has chosen to switch to ANSYS HFSS, ANSYS DesignerSI™ and SIwave after using a competitor's electromagnetic modeling and simulation products for nearly 10 years. "After a two-year extensive evaluation and measurement correlation of the ANSYS tools against multiple industry products, the measurement comparisons have shown that the ANSYS solutions are robust and accurate across the widest range of applications and structures. We found through detailed measurement testing that HFSS is truly the 'golden standard' in electromagnetic modeling. When the structures we measured were modeled faithfully and the material properties were characterized and entered accurately, ANSYS HFSS produced extremely accurate results with no discernible difference between measured and modeled results."

# CIMdata PLM Industry Summary

---

ANSYS version 14.5 is available for download via the ANSYS Customer Portal: <https://www1.ansys.com/customer/default.asp>

 [Click here to return to Contents](#)

## ***BobCAD-CAM Offers New MultiAxis Toolpath That Benefits 3 Axis Machines***

7 November 2012

BobCAD-CAM are now offering MultiAxis tool path, and you don't need to have a 4 or 5 axis machine to benefit from the new tool path options.

Tool and die or mold shops can use the following new tool path options in a 3 axis environment:

- Parallel Cuts
- Cuts along a curve
- Morph between 2 curves
- Parallel to multiple curves
- Project curves
- Morph between surfaces
- Parallel to surface

Before BobCAD-CAM offered MultiAxis, the options for cutting more complex parts were limited. Previously, users would not be able to machine an undercut or drive a tool path to machine just the radius on a compound curve. Using the MultiAxis option in V25, you can machine just the radius, and nothing else, by using the Morph Between Two Curves feature to drive the tool path to follow just the radius in a spiral cut path.

Tool path options like undercutting and flowline can be done by using the 7 new surface-based MultiAxis tool paths. All of these toolpaths can be posted in 3, 4, or 5 axis.

V25 software now also uses check surfaces to give you more control over where the tool path is generated.

“Previously these types of tool path options were only found in the more expensive CAD CAM packages,” stated Al Depoalo, BobCAD-CAM Partner Product Director. “It’s very exciting to level the playing field and offer these higher end tool paths at prices that are accessible to shops of all sizes. We can now help even more shops in the manufacturing industry; mold tool and die shops really need to take a look at how far our software has come over the last few years.”

For more information on the new [BobCAD-CAM 5 axis PRO CAD/CAM software](#) contact us directly at 877-262-2231 today or [download a free trial version](#).

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## *CD-adapco Releases Latest Version of Its CAE Software Tool, STAR-CCM+ v7.06*

13 November 2012

CD-adapco is proud to announce the release of STAR-CCM+ v7.06, the latest version of its multidisciplinary engineering simulation software tool. As the third release in 2012, STAR-CCM+ v7.06 introduces a number of enhancements and new feature that have the specific aim of helping CD-adapco customers: shorten their product development schedules; create more reliable and better quality products; and to gain additional insight into their product behavior and performance.

"STAR-CCM+ v7.06, illustrates our continued commitment to making our customers even more successful through engineering simulation," said Jean-Claude Ercolanelli, Senior VP of Product Management.

### **Accelerate Your Product Development**

In order to play a role in product development, simulation results need to be supplied on time, every-time.

With this is mind, STAR-CCM+ v7.06 is specifically designed to allow customers to get meaningful simulation results faster than ever before. (Full detail: <http://bit.ly/VTlyJC>)

### **Improve Your Product Quality and Reliability**

Improving product quality is a strategic objective of every company involved in product design or manufacture. (Full detail: <http://bit.ly/VTlyJC>)

### **Better insight into product performance**

The ability to communicate engineering information, while engaging with an increasingly non-specialist audience, is a key skill for any CAE engineer.

One of CD-adapco's ongoing aims is to make its solution easier to learn, easier to remember and easier to work with on a daily basis. STAR-CCM+ v7.06 includes a range of user experience improvements to facilitate its operation and the analysis of the results: new load simulation dialogue, bounded/slider values, flexible export, color bar formatting and table auto-export, slider control for cross section visualization, reporting and monitoring on the fly.

STAR-CCM+ v7.06 is available now for download from CD-adapco's customer support portal "Steve" ([www.cd-adapco.com/steve](http://www.cd-adapco.com/steve)).

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## *CDS CAD Download Solution Integrated in New Dorner CAD Configurator*

13 November 2012

[CDS](#) (Catalog Data Solutions, Inc.), today announced that Dorner Manufacturing Corporation has integrated the [CDS ModelServer](#) with their new CAD Configurator to enable creation and download of exact CAD models of custom conveyor assemblies.

Dorner designs, manufactures and integrates conveyor systems. “[Our new Configurator](#) is an intuitive 2D and 3D CAD platform that allows users to build complete conveyor assemblies to their exact layout dimensions. The CAD tool is an industry first providing the download of a single CAD model of the complete assembled conveyor, dramatically saving the time spent matching up individual files,” said Mike Hosch, Director of Product Development, Dorner Manufacturing. “The Configurator is engineered with tool guides and uses conveyor logic to only place applicable matching conveyor components together; if a system can’t be designed and built for actual use, the Configurator will not design it. This intuitive feature saves user’s time by alerting them of an erroneous design, allowing them to make the necessary adjustments before proceeding. When the design is complete, customers receive part numbers and detailed descriptions of all the components in the build, information to receive a quote, along with the CAD and 3D PDF files.”

Features of the new Configurator include:

- Eliminates design time spent assembling separate CAD models
- Improved accuracy of 3D CAD models
- Provides 3D PDF files for visualization by non-CAD users
- Download the exact conveyor assembly to specific layout dimensions
- CAD requests emailed in minutes
- Available on 2200, 3200 and 5200 Series conveyors (other conveyor platforms will be added in the coming months).

“CDS is delighted that Dorner Manufacturing chose our leading SaaS CAD download solution ([CDS ModelServer](#)) and integrated it with Dorner’s online configurator,” said John Major, CEO Catalog Data Solutions. “CAD downloads save designers lots of time that they would otherwise have to spend drawing. Coupling them with an online design configurator as Dorner has done saves designers even more time. The result is a highly efficient and effective website visitor conversion tool that results in Dorner products being included directly in customers’ design or specification documents.”

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

 [Click here to return to Contents](#)

# CIMdata PLM Industry Summary

---

## ***GRAPHISOFT BIMx Now Available through Amazon for Kindle Fire***

12 November 2012

[GRAPHISOFT](#) announced today that BIMx, its communication and presentation tool for BIM projects, is now available through the [Amazon AppStore](#) for Kindle Fire HD and Kindle Fire Gen 2. Amazon AppStore is available to customers located in the United States, France, Italy, Germany, Spain, and United Kingdom.

[BIMx](#) is an interactive environment that allows users to explore full BIM models without holding a license of the professional authoring software in which the building model was originally created. With BIMx, ArchiCAD users have been able to publish self-running BIMx models for their clients to run on desktop computers (Win/Mac); on iOS and Android devices, BIMx puts BIM into the hands of all stakeholders not actively involved in the actual creation of the BIM model such as contractors, builders, clients, owners, and principals of design practices as well.

 [Click here to return to Contents](#)

## ***Intergraph® Leverages Leica Geosystems' TruView to Connect Engineering Design Basis with Reality***

12 November 2012

Intergraph® today introduced a Leica TruView Integrator for SmartPlant® Enterprise as well as offline mobile device support for SmartPlant® Enterprise for Owner Operators (SPO).

The new SmartPlant Enterprise/SPO TruView Integrator enables end-users to use photorealistic and intelligent TruView laser scans as an intuitive portal to access all plant information and documentation in SmartPlant Foundation. The new SPO Mobile Core and SPO Mobile Operating Plant solutions go one step further and leverage these intuitive, photorealistic access options to support day-to-day plant operations and activities such as maintenance, inspection and equipment isolation in online and offline mode.

Ludwig Englmaier, head of the Engineering Department for AlzChem AG, said, “We have been using Intergraph tools for many years to manage the virtual plant asset for our plants at AlzChem. We recently selected SPO and will be rolling it into production over the coming weeks. We are excited about SPO Mobile Apps with TruView Integrator, and will be seeking to implement them as soon as possible.

“We believe these will help us bring the immense value of the virtual plant asset directly to workers on the plant floor. Today, plant workers performing inspection and maintenance activities spend too much time locating the items they need in the plant. SPO Mobile with photorealistic TruView visualization will help our plant workers carry out their work safer, quicker and better than ever.”

# CIMdata PLM Industry Summary

---

Bill Van Butzelaar, Woodside Operations, Business Improvement Manager, Woodside Energy Limited, said, “The use of a photorealistic representation of a plant as an intuitive user interface into asset information will drive significant improvements in efficiency. With laser scanning and photo capture, the time to capture ‘as-exists’ physical asset information is greatly reduced. When combined with the rapid capture of other plant information using Intergraph’s SmartPlant Fusion, the time required to find and access specific plant data or documentation on a daily basis is dramatically reduced.

“Additionally, when you consider the reduction in health and safety risks as a result of reduced on-site time, it becomes very obvious that photorealistic plant information browsers will play a very important role in the industry in the future.”

Gerhard Sallinger, Intergraph Process Power & Marine president, said, “It is hard to imagine a more intuitive way to access plant engineering information than by means of a photorealistic plant browser. Our new Leica TruView Integrator will allow everybody at any plant to derive maximum value from the technical asset management information in SmartPlant Foundation.

“With the SPO Mobile solutions we are now bringing the technical asset information where it’s needed on a daily basis for the different operations and maintenance activities. We are bringing it to the plant floor and remote operations locations where there is no network connectivity. These are game-changing and unmatched solutions that will significantly improve the way engineering assets are maintained.”

Leading plant owners choose SmartPlant Enterprise for Owner Operators to enable them to rapidly implement Intergraph’s preconfigured business processes to support both CAPEX and OPEX phases of the plant life cycle. SmartPlant Enterprise for Owner Operators is specifically designed for asset owners to enhance plant safety, reliability, and interoperability, while ensuring information integrity across the owner operator system landscape.

Free Leica TruView software allows anyone to panoramically view and quickly measure rich, laser scan point cloud data and corresponding digital images without having to be an expert in 3D, CAD or point cloud software. Users can extract real 3D coordinates and measure distances, with results appearing immediately right on the point cloud image. TruView users can also generate markups, view proposed designs in their real world context, link to asset information, and readily share TruViews with peers, service providers or clients for more effective project communications and collaboration, even over the Internet. Qualified developers can also integrate Leica TruView into third-party software as an intuitive use interface for quickly accessing “as-is” scene information.

For more information, visit <http://www.hexagon.com/en/spo-truview.htm>.

 [Click here to return to Contents](#)

## ***MecSoft Announces Support for SolidWorks 2013***

6 November 2012

MecSoft Corporation, the developer of computer aided manufacturing (CAM) software solutions, has announced support for SolidWorks 2013.

“As a Gold Certified CAM partner, MecSoft is committed to supporting the most recent version of SolidWorks,” stated Uday Honnalagere, Support Manager for MecSoft. “With our most recent service release, VisualMILL for SolidWorks is fully certified to run inside SolidWorks versions 2009 thru 2013.”

VisualMILL for SolidWorks users can download the most recent service pack via MecSoft’s VisualServe software licensing portal.

MecSoft has been a SolidWorks Certified Gold Status partner since 2010, and continues to invest in their VisualMILL for SolidWorks customers by providing yearly upgrades to their product.

 [Click here to return to Contents](#)

## ***Missler Software introduces TopSolid’Split 7.7***

15 November 2012

TopSolid’Split is an extension of the latest version of TopSolid’Design which allows tool makers, especially those specializing in plastic injection, to significantly increase their productivity by giving them the means to easily define and design core cavity blocks from an imported 3D plastic part, or directly designed in TopSolid’Design.

Once the model has been imported in TopSolid’Design, TopSolid’Split enables the user to prepare the part to be injected by quickly analyzing the draft angles of the model (detection of vertical faces and undercut faces) and by globally or differentially controlling the shrinkage factor related to the material used. TopSolid’Split also automatically determines the best parting lines, while leaving the user free to redefine them locally, when passing over a face, for example.

Furthermore, this new module provides intelligent wizards to automatically generate shut off surfaces and external parting surfaces.

In addition to efficiently creating your molding blocks, the biggest benefit of TopSolid’Split 7.7 is certainly its ability to define all the inserts needed to take the production constraints into account, at the core & cavity block split stage.

TopSolid’Split 7.7 adds significant value to TopSolid’Design in terms of tooling and features all the functions needed to create complete molds in the coming years. This extension will be officially available in the software in January 2013.

## **About TopSolid'Design**

TopSolid'Design is a fully integrated and associative CAD software enabling the operator to draft and design products more efficiently. Kinematics, structural calculation, sheet metal processing and mechanical components form an integral part of the software and improve efficiency in the design process.

## **About Missler Software**

Missler Software, whose headquarters is located just outside Paris, France is the software developer of the TopSolid CAD/CAM/ERP software range dedicated to the mechanical manufacturing, toolmaking, wood and sheetmetal industries. In 2011 company turnover was €25M for 200 employees. Every year Missler Software invests in the region of 30% of its annual turnover in Research and Development for its integrated software range. The company was founded in 1984 and has been present on the international market since 1997. Missler Software exports approximately 60% of its software licenses via a network of 80 value added resellers throughout the world. For further information, visit [www.topsolid.com](http://www.topsolid.com).

 [Click here to return to Contents](#)

## ***OpenText Announces InfoFusion***

14 November 2012

### *New Information Access Software Allows Customers to Integrate EIM Data from Multiple Systems*

OpenText unveiled [OpenText InfoFusion™](#), Information Access software specifically designed for [Enterprise Information Management \(EIM\)](#) that offers businesses a new and dramatically improved approach to discovering, analyzing and managing unstructured information across their enterprise.

According to recent industry estimates, unstructured information accounts for more than 80 percent of an enterprise's total information and represents the largest and fastest growing source of knowledge, innovation and efficiency available to organizations. Businesses are increasingly looking at EIM to unlock the strategic value of this often siloed, largely untapped information to help them cut costs, ensure compliance, increase competitive advantage and make better decisions about their business.

OpenText InfoFusion is designed to break down corporate information silos and aggregate that information to capitalize on the benefits of EIM. InfoFusion provides powerful data integration, content migration, data archiving and legacy decommissioning tools that allow organizations to discover, analyze and act on information throughout their enterprise while also helping them identify and address critical business issues.

Karen Shegda, Gartner research vice president, recently stated, "Enterprises seek to capitalize on a growing number of information-fueled opportunities that require a combination of analytical capabilities and diverse data types. Those that blend analytics and content, supported by a well-organized

# CIMdata PLM Industry Summary

---

information infrastructure, will reap the benefits."<sup>1</sup>

Solving today's EIM problems requires a highly scalable solution that can help organizations easily access the information they need from across their enterprise, analyze it and take action based on it. Through the use of OpenText InfoFusion's powerful search and analysis capabilities and a wide array of connectors, users can now better assess huge volumes of enterprise content, extract its full value and make important decisions that can positively impact their business.

OpenText InfoFusion uniquely enables organizations to move, copy, delete and change permissions on content to support Information Governance practices. And, since InfoFusion is connected to OpenText's industry-leading EIM applications, it can extend the reach of OpenText Enterprise Content Management and OpenText Records Management to provide a single source of policy for the organization.

"CIOs are increasingly faced with large data sets that are too disparate, too complex and too poorly organized for analysis with conventional tools. As companies adapt their businesses to the imperatives of cloud, social, mobile and ever-present compliance, new methods are needed to access and aggregate this information," said Marten den Haring, Vice President, Information Discovery and Analytics at OpenText. "OpenText InfoFusion is modular, standards-based Information Access software that integrates seamlessly with OpenText's leading EIM solutions to solve these problems, enabling better information governance and a smarter enterprise."

OpenText InfoFusion also includes Integration Center with connectors that help orchestrate data and provide authorized access to enterprise repositories, including IBM® FileNet, EMC® Documentum® and Microsoft® SharePoint®. Because many different EIM solutions share common requirements, a rich set of APIs and reusable widgets are offered, enabling customers and partners to develop applications for specific use cases and user roles.

## **Availability**

OpenText InfoFusion will be available starting December 2012 directly from OpenText, as well as through OpenText's global partners. For further information on OpenText InfoFusion, please visit [www.opentext.com/infofusion](http://www.opentext.com/infofusion).

OpenText InfoFusion will be demonstrated at [Enterprise World 2012](#), OpenText's annual user conference this week in Orlando, Florida. View the slideshare: <http://www.slideshare.net/opentextcorp/announcing-opentext-infofusion>. For updates on all the news and happenings from Enterprise World, please follow us on Facebook at [www.facebook.com/OpenTextEnterpriseWorld](http://www.facebook.com/OpenTextEnterpriseWorld) and on Twitter using the hashtag [#OTEW2012](#).

Follow OpenText on Twitter [@opentext](#) and on Facebook at [www.facebook.com/opentext](http://www.facebook.com/opentext).

## **About OpenText**

# CIMdata PLM Industry Summary

---

OpenText provides Enterprise Information Management software that enables companies of all sizes and industries to manage, secure and leverage their unstructured business information, either in their data center or in the cloud. Over 50,000 companies already use OpenText solutions to unleash the power of their information. To learn more about OpenText (NASDAQ: OTEX; TSX: OTC), please visit: [www.opentext.com](http://www.opentext.com).

 [Click here to return to Contents](#)

## *OpenText Delivers Tempo Social and Tempo Box in the Cloud*

14 November 2012

OpenText, a provider of Enterprise Information Management (EIM) solutions, today unveiled Tempo Social and Tempo Box at [Enterprise World 2012](#), the company's annual customer conference. These new offerings are designed to facilitate social collaboration and secure information sharing in the [OpenText Cloud](#) and on-premises.

- **OpenText Tempo Social** provides an out-of-the-box social collaboration solution with enterprise-grade security, compliance and customization capabilities. Featuring a unique combination of activity feeds, communities and dashboards, as well as individual and team profiles, Tempo Social helps organizations synthesize information needs in a common user experience. Tempo Social is now available in the cloud, complementing the existing on-premises offering.
- **OpenText Tempo Box** allows users to easily sync, share and store information across all the devices they use, without sacrificing the records management rigor and security mandated by organizational policies and industry regulations. Tempo Box is now available as a cloud-based offering in which OpenText takes over the deployment and management of the solution. The new Tempo Box, Cloud Edition, complements OpenText's previously announced Tempo Box Express and Tempo Box Content Server Edition, which are on-premises offerings for customers who want to retain complete control over the underlying content repository.

"Tempo Social is a natural complement to Tempo Box for secure file sharing and syncing," said Muhi Majzoub, Senior Vice President of Research and Development at OpenText. "This next generation enterprise platform for interactions and communications will help customers unleash enterprise value through social technology, allowing teams to focus, work more efficiently, and connect with relevant resources and expertise throughout the enterprise. By connecting employee-to-employee, customer-to-customer and ultimately employee-to-customer, OpenText Tempo Social will be fundamental to the effectiveness of globally networked organizations."

The [OpenText Tempo](#) product family enhances social business by providing the secure and compliant enterprise information management that organizations demand. With the Tempo offerings, OpenText's market leading information governance capabilities integrate seamlessly with consumer-style file sharing and social collaboration apps to provide users with the best ways to collaborate and engage without compromising the security and compliance requirements of the enterprise. OpenText Tempo improves workforce effectiveness by breaking down organizational barriers, facilitating the transfer of knowledge and accelerating decision making processes.

# CIMdata PLM Industry Summary

---

"Social collaboration combined with secure information storing, sharing and syncing across multiple devices is resonating with users, but consumer clouds are creating headaches for organizations that need enterprise-class security to protect their information," said Steve Hunt, Chief Information Officer of OpenText. "We have seen tremendous adoption with the internal deployment of Tempo Social. In just three days, we've had 1,000 users create unique profiles, and we've observed immediate engagement in productive interactions between employees from different teams and on different continents - something that would otherwise never have happened, even through hundreds of scheduled conference calls."

Click to learn how [OpenText is increasing collaboration and productivity](#) across the company's 5,000 global employees through Tempo Social.

## **Key benefits of the Tempo family of offerings include:**

- **Collaborative environment** allows teams to focus, work efficiently and connect with relevant resources and expertise throughout the organization
- **Consumer-style ease of use** complements existing information management infrastructure while adhering to corporate information security and governance standards
- **Improved collaboration** by tapping into the collective intelligence
- **Secure file sharing and syncing** both inside and outside the enterprise
- **Transparent integration** into user desktops, including sharing and collaborating with internal and external users
- **Ability to synchronize content** across any number of computers, tablets and other devices, ensuring that users always have the latest copy of documents
- **Intuitive web interface** for managing file information; setting permissions; sharing files, pictures, videos and status updates; collaborating in communities; and documenting vital information

## **Availability**

OpenText Tempo Box and Tempo Social are available now, in the cloud or on-premises. For additional information please visit [www.opentext.com/tempo](http://www.opentext.com/tempo).

Both solutions will be on display November 11-16 at [Enterprise World 2012](#), in Orlando, Florida. For updates on all the news and happenings from Enterprise World 2012, please follow us on Facebook at [www.facebook.com/OpenTextEnterpriseWorld](http://www.facebook.com/OpenTextEnterpriseWorld) and on Twitter using the hashtag [#OTEW2012](#).

To register for the event, please visit: [Enterprise World 2012 registration](#)

## **About OpenText**

OpenText provides Enterprise Information Management software that enables companies of all sizes and industries to manage, secure and leverage their unstructured business information, either in their data center or in the cloud. Over 50,000 companies already use OpenText solutions to unleash the power of their information. To learn more about OpenText please visit: [www.opentext.com](http://www.opentext.com).

 [Click here to return to Contents](#)

## ***Patent Awarded for PDF3D Geospatial Reporting Technology***

12 November 2012

Visual Technology Services announces Grant of Patent GB2484561 for Alternative Multi-Level Elevation Mesh Representation by the UK Intellectual Property Office, supporting the highly compressed terrain grid implementation in the PDF3D® software systems. The technology is successfully deployed and licensed world-wide with integration into numerous 3D technical report generation systems in the areas of civil engineering, marine and airborne survey, geophysical exploration and geo-intelligence.

“The 3D PDF document format allows embedding potentially large geospatial 3D map representations, driving the need for efficient compression to allow collaborative communication and distribution, including as email attachments,” comments Ian Curington, CEO and co-author of the new patent. “The granting of this critical patent strengthens our intellectual property position in 3D technical publishing using the PDF Engineering and Product Representation Compact (PRC) document standards. As a UK registered company, licensing the patent along with the software also allows us to access the recently announced ‘Patent Box’ tax incentive scheme.”

Following on from the previously granted GB2477368 for Triangle Mesh Compression, GB2484561 represents a breakthrough in the field of 3D technical document generation. The patent covers PDF3D library proprietary methods used to compress large terrain grids, typical of digital elevation maps, bathymetric survey data, in a multi-level mesh packaged within a standard PDF file, such that the resulting document is reduced and more efficient to transmit, while enabling the recipient to open and navigate the 3D model with rotation, pan, zoom, geolocation probe, including geospatial image or attribute data draped onto the elevation mesh.

“The company’s balanced and well-targeted commercial intellectual property (IP) strategy is clearly working,” comments Ian Bingham founding partner of IPASSET LLP. “The strong professional IP management team has demonstrated taking ideas from proof-of-concept, registering IP, product implementation and commercial licensing stages. We continue to offer support for this high growth entrepreneurial business. As this additional application in the current portfolio goes to grant, we look forward soon to further announcements regarding other patent applications and licensing announcements.”

 [Click here to return to Contents](#)

## ***Plex Systems Partners With Actify, Allowing Direct Access to CAD Data***

8 November 2012

Plex Systems Inc., provider of Plex Online, [Cloud ERP for manufacturers](#), and Actify Inc., today

# CIMdata PLM Industry Summary

---

announced a strategic partnership to service manufacturers leveraging CAD functionality.

With the integration of Actify's product knowledge solutions, Plex Online users can directly access 3D and 2D CAD data from within the Cloud ERP solution—without the application of CAD software. This integration will provide manufacturers automatic real-time access to engineering information. Actify's enterprise solution Centro provides the necessary interface to automate the gathering, organizing and sharing of 3D data and associated meta data onto a central server, including PMI-tolerances, measurements and other information from all major 3D and 2D CAD formats.

“We are proud to provide Actify's automated extraction to our customers for seamless sharing of important engineering data throughout the enterprise,” said Plex Systems Vice President of Products Patrick Fetterman. “Actify's solution enhances Plex Online's capabilities in providing real-time information—from the shop floor to the top floor.”

“We're pleased to partner with Plex Systems to deliver access to vital CAD data through integration with Plex Online,” said Chris Jones, Actify President and CEO. “The ability to seamlessly access CAD data and associated meta data can be a critical differentiator for manufacturers and we're excited to bring this functionality to the community of Plex Online users.”

 [Click here to return to Contents](#)

## ***SmartCAM V19.5 Released Features Threading and Grooving Improvements, New Parting Process***

7 November 2012

SmartCAMcnc has announced the release of SmartCAM® V19.5. Version 19.5 continues the tradition of focusing the mid-year SmartCAM release on turning improvements, but also incorporates some milling enhancements that build on functionality introduced in version 19.0. Additionally, a substantial amount of core improvements are included that will benefit all SmartCAM users.

The SmartCAM product family consists of applications for Computer-Numerical Control (CNC) milling, turning, fabrication and wire EDM.

Core turning improvements include updated Threading and Groove Roughing capabilities, and a new Parting Process. The Threading Cycle now provides easy access to all threading parameters, and includes new thread options such as Infeed/Outfeed Angles, Start/End Extensions and Spring Passes. Additionally, Thread Blunting is now supported using an ID/OD groove tool in the threading cycle.

The Groove Roughing process has been significantly enhanced to include options to Cleanup Cusps, Finish-to-Size and Reverse Progression of cuts. The addition of cleanup and finishing passes allows the user to create the complete groove using a single process. Additionally, the geometry groove element

# CIMdata PLM Industry Summary

---

can now be defined on a layer as a Groove Feature and used as input to any of the roughing processes, including Groove Rough, thereby providing a wide variety of machining strategy options.

"SmartCAM version 19.5 delivers significant core turning improvements. We've had many requests for improved threading and grooving capabilities, and are confident our users will be very pleased to see use this new functionality." said Douglas Oliver, SmartCAMnc's Senior Product Manager.

A new Parting Process has been added that allows cut-off operations to be defined without the need of additional geometry construction. The Parting process allows radius or chamfer corner breaks to be applied to the edges on either side of the cut-off, and provides options for depth-pecking and controlling a part-catcher. This new feature saves time and improves accuracy and repeatability.

Several significant milling improvements are found in the version 19.5 milling applications as well as the mill/turn capabilities of SmartCAM Advanced Turning. The Part Offset path type introduced in the version 19.0 Region Rough process has been integrated into the other roughing processes such as Pocket, Face, Solid Pocket, and Planar roughing, and now supports the Stay Down option previously introduced for Spiral path type in v19. Additionally, Process container toolpath can now be directly converted to 4th-axis toolpath using the Transform-Wrap command, without the need to first unpack the container, saving time when making changes to the process toolpath.

All SmartCAM V19.5 products will benefit from a wide variety of exciting core improvements and new features. A new Options dialog box provides convenient and easy access to the user configuration and preference settings. The options are grouped into categories such as General Options, System Performance, Presentation, Color, and Data Translation.

The SmartCAM user interface has been updated to provide improved usability and a "cleaner" appearance. New pull-right menus provide direct access to frequently used commands, and additional mouse pop-up menus allow toolbars to be easily configured and repositioned.

"SmartCAM has always allowed the user to customize the interface and application preferences to fit their needs, and the new configuration improvements in version 19.5 make easier than ever." added Douglas. "SmartCAM users will be excited about these new configuration and usability improvements."

ShowPath verification performance has been improved to be faster when displaying nibbled- or filled-toolpath, and to react to mid-verification speed changes.

## **Customer Requested Improvements Also Added**

As with all SmartCAM releases, a number of new and customer-requested core usability improvements can be found in all SmartCAM V19.0 applications, such as:

- **CAD Data Default Destination Workplane** – Default destination workplane for imported CAD data can be configured by the user

# CIMdata PLM Industry Summary

---

- **Merge CAD Data to Active Workplane** – CAD data can be optionally merged to active workplane
- **Geometry Text Spacing Parameter** – Additional spacing between letters can be specified
- **All Step/Tool/Layer Macros** – New macro commands allow all defined Steps, Tools, and Layers to be easily identified

"SmartCAM has always been very easy to learn and use, and in version 19.5 the new significant user-interface improvements make it even easier to learn and configure to the users preferences." added Douglas. "SmartCAM users will be excited about these usability improvements."

 [Click here to return to Contents](#)

## ***SofTech Announces Latest Release: ProductCenter PLM 9.3.0***

15 November 2012

### *ProductCenter PLM 9.3.0 Includes New Platform Support and Extends Streamlined Interface*

SofTech, Inc., a provider of Product Lifecycle Management (PLM) solutions, announced the availability of [ProductCenter](#)® PLM version 9.3.0. SofTech's latest release builds on enhancing the overall user experience and maximizing productivity.

"ProductCenter 9.3.0 extends its streamlined interface by allowing users to create their own custom-defined views of information, essentially what you need where you need it. As with every release, customer contributions enable us to deliver software and service solutions that help companies better manage, protect, collaborate and share product information in order to stay competitive within today's global product lifecycle environment," states Jay Pappas, ProductCenter Product Manager.

The ProductCenter 9.3.0 release also includes platform support for the following application integrations: Adobe® FrameMaker® 10; AutoCAD® Electrical 2013; AutoCAD® Mechanical 2013; Autodesk® Inventor® 2013; Oracle® AutoVue® 20.2; SofTech CADRA® 20; CATIA® V5 R21; NX™ 8; and SolidWorks® 2013. The ProductCenter Inventor Integrator is an Autodesk Inventor Certified Application and the ProductCenter SolidWorks Integrator is a SolidWorks Gold Partner Product.

For additional information on the ProductCenter PLM components, please contact SofTech at (978) 513-2722 or visit the SofTech web site at <http://www.softech.com/products/productcenter-plm/components?ref=pr93>.

## **About SofTech's ProductCenter PLM Solution**

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

## CIMdata PLM Industry Summary

---

manufacture, and service a company's products.

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

Headquartered in Lowell, Massachusetts, SofTech ([www.softech.com](http://www.softech.com)) has locations and distribution partners throughout North America, Europe, and Asia.

 [Click here to return to Contents](#)