

Contents

CIMdata News	2
Netvibes: Bringing Social Intelligence to the Enterprise, a CIMdata Commentary	2
Acquisitions	6
Persistent Systems Acquires NovaQuest, a Dassault Systemes' 3DEXPERIENCE and PLM Applications Reseller	6
Company News	7
Applied Software Earns Autodesk MEP Systems Engineering Specialization Designation	7
Autodesk Awards ACI to M2 Technologies Solutions Engineer Brian Verboort	7
Autodesk Named One of FORTUNE'S "100 Best Companies to Work For"	8
CD-adapco Announces to University of Stuttgart its 2013 Calendar Competition Winner	9
Delcam CRISPIN Expands Sales Team with new Marketing Executive	9
Delcam UK Achieves Record Sales of Software/Maintenance	10
GRAPHISOFT and BIMobject Sign Strategic Partnership Agreement	11
I-Cubed Appoints Two New Business Directors	11
IntelliCAD Technology Consortium Appoints Robert Berry as Business Development Director	12
Intergraph® Enters Partnership with Benemerita Universidad Autonoma de Puebla to Train Students with Design Solutions	13
ITC Infotech Becomes the 1 st PTC Authorized Training Partner in India	14
LEDAS Establishes US Business Entity to Better Serve Clients Worldwide	15
ShopBot Announces "Digital Fab Tools for Schools"	16
Events News	17
Aras Showcases Enterprise PLM at SolidWorks World 2013 with Extensive New Solution Functionality	17
AVEVA is Gold Sponsor of ARC World Industry Forum 2013	18
BobCAD-CAM to Unveil Brand New Version of BobCAM at Solid Works World Next Week	18
CGS & CGSNA "Show the world" the "CG Series" Booth 902 at SolidWorks World 2013 in Orlando Florida	19
Combining SolidWorks and Edgecam, Featuring At SolidWorks Exhibition	20
Delcam to Show Latest in CAD and CAM at AeroDef	21
Dimensional Control Systems at SolidWorks World 2013	23
Diverse Presentations to Highlight Pointwise User Group Meeting 2013	23
Mastercam® X7 for SolidWorks® Unveiling at SolidWorks World 2013	24
MecSoft to Exhibit at SolidWorks World 2013	26
MLC CAD Systems Customer ProEdit, Inc. to Present at SolidWorks World 2013	26
SofTech Presents Water Pik's "Go with the Flow" PLM Strategy at SolidWorks World 2013	27
Synergis Software Presents Adept PDM at SolidWorks World 2013	28
Financial News	28
Dassault Systemes Schedules Fourth Quarter and Full Year 2012 Results Webcast and Conference Call for February 7, 2013	28
EMC to Announce Fourth-Quarter and Full-Year 2012 Financial Results	29
SAP Announces Record Full Year and Fourth Quarter 2012 – Full Year 2012 Non-IFRS Software and Software-Related Service Revenue Increases 17% to €13.2 Billion	29
TCS Delivers Well-Rounded Performance in Q3	30
Implementation Investments	32

CIMdata PLM Industry Summary

A.H. Schreiber Selects DeSL's PLM/SRM Solution	32
ixent GmbH Uses MSC Nastran for the Layout & Simulation of Composite Structures	33
Mold-Masters Adopts Moldex3D to be the Global Standards for their Hot Runner Technology	34
SRAM Uses PTC Product Lifecycle Management Solutions to Connect Business Processes, Technology and People	34
Tenneco Selects Actran to Support the Acoustic Design of Exhaust Systems	35
Product News	36
Altair's HyperWorks Partner Alliance Expands Its Scope with the Addition of NovaCast Systems to Its Software Lineup	36
Altair Releases PBS Professional 12.0	38
Aras Announces New Release of Microsoft Office Connector for Aras Innovator	39
ArchiCAD STAR™ Edition 2013 Roll-out Starts	40
ASCON Integrates Rendering Technology from Redway3d	42
Bentley Systems Becomes Authorized Provider of IACET CEUs	42
BlankWorks V5.0 for SolidWorks 2013 Announced By Forming Technologies Inc.	43
datakit Update: CrossManager 2013	44
Delcam to Launch New Software for Accommodative Orthotics	44
GstarCAD2012 Extended Version Released	45
Knovel Launches Updated Interactive Graph Tools	46
Latest Version of Siemens' Femap Software to Increase Engineering Productivity	47
Lattice Technology Releases Lattice3D Reporter™ v6	48
Legrand goes 3D with AVEVA	49
PDF3D Platform Releases Improvements to Core Engine	50
SolidACE Adopts Integrated Structural Modeling Technology for SolidWorks	50
SpaceClaim and Design Simulation Technologies Announce Integration of SpaceClaim Engineer and SimWise 4D	51

CIMdata News

Netvibes: Bringing Social Intelligence to the Enterprise, a CIMdata Commentary

16 January 2013

Key takeaways:

- *Companies in all industries face an explosion of information channels without the commensurate ability to monitor that information to access what is most needed.*
- *Workers are accustomed to having always-on, always-connected devices to help enrich their lives by providing just the right information or assistance at precisely the right time.*
- *Netvibes, a Dassault Systèmes company, is bringing advanced dashboarding and analysis tools to PLM, scouring the extended enterprise and the web for wisdom to help improve decision making.*

Life was so much simpler just a short time ago. Most PC users spent their days with productivity tools like Microsoft Office, their enterprise tools, and perhaps a web browser. Now users also fill their days with Facebook, Twitter, Instagram, Pinterest, YouTube, LinkedIn, and the many other channels that

CIMdata PLM Industry Summary

demand their attention—and it is their attention that is the limited resource. The number of enterprise systems has also expanded well beyond most peoples' ability to understand how to effectively use them all to complete their daily tasks.

What is the best way to bring all this information to a user? People often use portals, with some combination of pre-defined searches and RSS (Rich Site Summary or Really Simple Syndication) feeds to bring them the information they think they need—with mixed results. The information is often static, only as good as a user's ability to define the right sources and the right search terms. In addition, many of their most-used sources, like those enterprise solutions within the firewall, are not included in their portals. Making matters worse, sharing the sources is difficult. One way to think about what users might need is to consider our experience with television. Users need information equivalent to the cable TV channel guide, i.e., all of the information sources available, indicated by visual cues that help users select the right source. What we don't want to replicate about our television experience, however, is that we are offered too many channels, with nothing on that we might want to watch. Our goal should be to process the information offerings from these many channels, making sure that the right things are "on" and readily accessible.

There are currently many approaches that can help synthesize knowledge from unstructured data. For example, business intelligence (BI) is discussed a lot in the press. Some of the world's largest companies have made significant BI investments with their chosen enterprise software providers, who themselves have invested in acquisitions and organic development to address this challenge. The BI approach typically requires some knowledge of the structure of the data sources, and programming and analysis skills, which some claim are in increasingly short supply. Another emerging approach to the problem, semantic analysis, is potentially not as labor intensive to set up, as the analyses can uncover structure in the data that users might not understand intuitively.

At the same time, people have become accustomed to the power and ease of use of readily available consumer tools. This phenomenon, often referred to as the "consumerization of IT," is beginning to have significant impact in the enterprise. People ask, "Why can't our business software be more like what I use at home?" The public Internet has created the expectation of "instant on," always-available information that people can use to enhance their personal lives. They often use these consumer solutions when they are trying to get the one nugget of information that will answer a pressing question. Or they will use these tools when they are doing nothing else, just to pass time.

Businesses also see the value of providing readily available information tools to enhance their employees' work lives. Smartphones and tablets can bring needed information to people wherever they might be working. Companies want to help their people make better decisions supported by the right information at precisely the right time. These two desires have come together in techniques like "sentiment analysis," where companies use tools built to mine the open Internet to capture useful information about their products and services, in order to empower business decision making.

In February 2012, Dassault Systèmes acquired Netvibes to help them address these trends. Netvibes.com launched its dashboard service in 2005, with a focus on creating tools to help consumers create dynamic

CIMdata PLM Industry Summary

information portals using “widgets,” small, focused software components that can quickly be combined for different purposes. Since being acquired by Dassault Systèmes, the Netvibes business unit has been focused on bringing their social listening and dashboard intelligence capabilities to the enterprise software/PLM space. The goal is to embed these tools deep into engineering, design, and analysis solutions to provide intelligence relevant to PLM-focused users. To provide this information, Netvibes is going far beyond their original information sources on the open Internet to also tap into enterprise systems like enterprise resource planning (ERP) or customer relationship management (CRM) systems. The planned reach of Netvibes is shown in Figure 1, differentiating them from other social listening tools that focus only on social analytics, advertising, and CRM.



Figure 1—Netvibes Is Positioned to Bring Social and Dashboard Intelligence to PLM and Enterprise Users

Their mission, in short, is to provide solutions to help companies to listen, learn, and act. Dassault Systèmes claims that Netvibes can access over 250,000 applications and official content feeds, the largest collection on the web. Netvibes tools also support the easy integration of their social listening tools with ERP, CRM, and other enterprise systems, and offer the ability to index and interpret what some term “Big Data” sources.

Netvibes’ marketing materials claim the ability to “learn from everyone.” The ability to synthesize information from so many sources can be powerful. Just as in television, there is a lot of clutter, and the semantic engine in Netvibes (to be supplemented by more powerful technology from their Dassault Systèmes sister brand, Exalead) can filter this information to provide high value. This approach also helps the system learn from previous successes to give users more of what they want by “curating” the information and providing industry-specific analytics. This can be delivered using techniques that have proved valuable in the consumer space, such as sentiment analysis, trend reporting, and keyword clouds.

Netvibes can bring this listening and learning to a broad base of users through their large library of widgets. These real-time alerts and reports can be run on a wide range of devices, and can be shared with other enterprise users. The underlying technology supporting this portability is their Universal Web App (UWA), a technology built on open web standards. UWA supports developing applications that can be written once and then run on Windows, MacOS, iOS, and Android devices. Users can select components from an “app store” and send them to their device with a single click. Information to this range of devices can be provisioned on premise or using software-as-a-service (SaaS). This approach

CIMdata PLM Industry Summary

ties in to several megatrends occurring in the IT space, including the consumerization of IT and bring-your-own-device (BYOD). It also helps address enterprise fragmentation in terms of both enterprise systems and geographic distribution. Companies can quickly build applications able to bring consistent knowledge across the extended enterprise, as shown in Figure 2. Netvibes claims to have a lot of experience integrating enterprise systems, including those in high security environments. This could provide a unique solution for IT departments that frequently implement layers of security and specialized code to support mobile applications. With Netvibes, access to data and widgets can be controlled at that IT level, potentially simplifying security environments.



Figure 2—Netvibes Dashboard Intelligence Supports Desktop and Mobile Users

Finally, armed with “just the right information” on demand, users can act in real time anywhere, at any time, on any device. According to Netvibes, they are offering “next-generation dashboards for the enterprise and social web.” Their technologies and offerings provide a nice complement to Exalead, and will be more fully integrated with ENOVIA in future releases. Netvibes claims that customers see their offering as a powerful reporting tool. Dashboards can help automate and replace traditional reports with “always on” real-time dashboards that can show a snapshot of many different systems simultaneously. These offerings are also being integrated in the “social industry experiences” approach being implemented across the Dassault Systèmes portfolio: “Discover what ‘social’ means for your industry.”

What does all of this mean? Companies in all industries face an explosion of information channels without the commensurate ability to monitor the information to access what is most needed. As we have seen over the last few years, this information explosion will only get worse. Enterprise users need to be able to make sense of all of this information rapidly, to make faster, more accurate decisions. At the same time, knowledge workers are accustomed to having always-on, always-connected devices to help enrich their lives by providing just the right information or assistance at precisely the right time.

Companies are seeing the need to address this problem, and as has happened often over the last few decades, Dassault Systèmes is offering a different approach than others in the PLM market. Netvibes is bringing advanced dashboarding and analysis tools to PLM, scouring the extended enterprise and the web for information to help improve decision making. To provide this new solution Netvibes is leveraging technology tested over the last five years in the consumer marketplace to create bridges to the rest of the enterprise and beyond. Their offerings show great potential, but there is still a lot of work to do to integrate their solutions with the Dassault Systèmes portfolio and their “social industry

CIMdata PLM Industry Summary

experience” approach. According to Netvibes, early work with key Dassault Systèmes customers has shown great promise. Once these integrations are complete, this potential can become reality for all Dassault Systèmes customers.

About CIMdata

CIMdata, an 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). CIMdata provides world-class knowledge, expertise, and best-practice methods on PLM. CIMdata also offers research, subscription services, publications, and education through international conferences. To learn more about CIMdata’s services, visit our website at <http://www.CIMdata.com> 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

Persistent Systems Acquires NovaQuest, a Dassault Systèmes' 3DEXPERIENCE and PLM Applications Reseller

16 January 2013

[Persistent Systems](#) announced it has entered into a definitive agreement to acquire privately-held [NovaQuest](#), a Product Lifecycle Management (PLM) and Search Based technology solutions company and a Value Added Reseller (VAR) and services provider of [Dassault Systèmes'](#) 3DEXPERIENCE platform and applications. With this acquisition, Persistent Systems enters into a strategic partnership with Dassault Systèmes to sell and offer support, maintenance and deployment services as an authorized VAR for Dassault Systèmes' in the United States. Terms of the acquisition were not disclosed.

The acquisition furthers Persistent Systems' objectives in expanding its PLM practice, strengthening its existing partnership with Dassault Systèmes, and growing its North American footprint. Headquartered in Charlotte, North Carolina, NovaQuest's team of about 20 seasoned PLM specialists have joined Persistent Systems to expand the Company's expertise in 3DEXPERIENCE and PLM applications and to support a growing client base across the aerospace, automotive, business services, consumer goods, energy, industrial equipment, life sciences, high tech and government verticals.

"Persistent Systems and Dassault Systèmes have developed a strong partnership, and now with the acquisition of NovaQuest, we are further able to expand our relationship and support for Dassault Systèmes applications, as well as grow our PLM business across new industry verticals," said Hari Haran, President, Persistent Systems Inc. "NovaQuest brings a proven track record of successfully helping companies with knowledge capture and better decision-making and we look forward to continuing to serve and add value to NovaQuest's customers. We are delighted to have the NovaQuest

CIMdata PLM Industry Summary

team of experts join the Company and, as a Dassault Systèmes VAR, we look forward to helping companies increase their adoption and extract the maximum value from their Dassault Systèmes investments."

"Persistent Systems brings significant value to the Dassault Systèmes community and we are pleased to partner with them," said Bruno Latchague, Executive Vice President of Value Solutions and Managing Director of North America for Dassault Systèmes. "Their deep expertise in product development and technology services, combined with NovaQuest's knowledge of Dassault Systèmes solutions, will help companies compete more effectively by transforming their innovation processes."

 [Click here to return to Contents](#)

Company News

Applied Software Earns Autodesk MEP Systems Engineering Specialization Designation

16 January 2013

[Applied Software](#), a Building Information Modeling ([BIM](#)) services provider as well as a provider of Autodesk 2D and 3D CAD products and services, announced that it has earned the new MEP Systems Engineering Specialization designation for value added resellers (VARs) from [Autodesk, Inc.](#) As an Autodesk Specialized Partner, Applied Software has shown it has made significant investment in its people, has a solid business plan specific to the specialization area, has strong customer references and can provide a high level of knowledge and support to companies in the AEC industry.

The new [Autodesk Partner Specializations](#) enable VARs to highlight and brand their expertise in delivering services in key industry areas. By completing the required curriculum and training, as well as meeting required levels of service and standards set by Autodesk, Applied Software demonstrates what it means to be a trusted adviser to Autodesk customers.

"Earning the Autodesk MEP Systems Engineering Specialization certification is an important achievement and a testament to our extraordinary team of MEP systems engineering experts," said Steve Foran, Applied Software's VP of Operations. "This distinction verifies our success in helping customers get the most out of Autodesk products used for mechanical, engineering and plumbing design projects, especially 3D design and Building Information Modeling."

 [Click here to return to Contents](#)

Autodesk Awards ACI to M2 Technologies Solutions Engineer Brian Verboort

15 January 2013

M2 Technologies has announced that Solutions Engineer, Brian Verboort, was awarded Autodesk

CIMdata PLM Industry Summary

Instructor Certification (ACI) for Autodesk Inventor software. The Autodesk Certified Instructor program offers premier coaching, mentoring, evaluation, and accreditation services to ensure that only the best instructors teach Autodesk software. The program requires each candidate to have at least two years' teaching experience before applying and being admitted.

"Brian has been a key part of our Technical team for the last 9 years," stated Principal, Matthew Burke. "He provides clients with the highest level of training and solutions. We congratulate him on receiving another Autodesk certification."

Brian is the Director of Solutions Engineers for M2 Technologies and has also received numerous certificates of achievement for the use, application and/or training of Autodesk Inventor, Autodesk Mechanical Desktop, AutoCAD and AutoCAD Mechanical.

M2 Technologies also currently holds an Autodesk PLM360 Specialization, Autodesk Simulation Specialization, is an Autodesk Gold Partner, Autodesk Authorized Training Center (ATC) and Autodesk Consulting Services authorizations.

For more information call 877.311.6284.

 [Click here to return to Contents](#)

Autodesk Named One of FORTUNE'S "100 Best Companies to Work For"

17 January 2013

For the second year in a row, [Autodesk, Inc.](#) has been named one of the best places to work in the U.S. FORTUNE released its list of the "100 Best Companies to Work For."

"Autodesk is proud to be recognized again as one of FORTUNE's Best Places to Work because the award is based largely upon employee feedback," said Jan Becker, Senior Vice President, Human Resources and Real Estate at Autodesk. "Our culture, combined with our products that make a difference in the world, are very inspiring and engaging for all of us."

To pick the 100 Best Companies to Work For, Fortune partners with the Great Place to Work Institute to conduct the most extensive employee survey in corporate America.* The complete list of companies is available on www.fortune.com today.

Today's award builds the company's global reputation as a top employer. In 2012 Autodesk was recognized by the Great Place to Work® Institute as one of the "World's Best Multinational Workplaces" and a "Best Place to Work" in the United Kingdom, Switzerland, Germany, Canada and the United States.

 [Click here to return to Contents](#)

CD-adapco Announces to University of Stuttgart its 2013 Calendar Competition Winner

18 January 2013

CD-adapco is pleased to announce Donald Riedeberger of University of Stuttgart as the winner of the 2013 CAE Post Processing Contest for his image of a dolphin. Riedeberger submitted the image which shows off laminar-turbulent transition on a common dolphin at 1 m/s and 1 % turbulence intensity.

For the seventh year running, the competition has given users of CD-adapco software the chance to showcase their post-processing skills by producing striking images of their work. In winning the competition, and claiming a Samsung Galaxy S III and Nexus 7 as his prize, Riedeberger beat off tough competition from companies such as Volvo, CNH, Behr, Atkins, and Gruner.

CD-adapco's VP of Marketing, David Vaughn said, "Post processing CAE results are no longer just about getting numbers from a simulation, but also about being able to engage and inform colleagues from other disciplines about just how effective an analysis was. The quality of this year's entries has once again impressed everyone at CD-adapco and has shown just how skillful our users are in effectively deploying simulation across a huge range of different applications. With over 100 entries to choose from, all of an exceedingly high standard, voting proved to be a very close race and is a reflection of both the high levels of skill shown by our users and of the versatility of STAR-CCM+."

The best twelve images are showcased in the 2013 CD-adapco Desktop Calendar. [Register for your free calendar](#), as only a limited number are available.

 [Click here to return to Contents](#)

Delcam CRISPIN Expands Sales Team with new Marketing Executive

15 January 2013

Delcam CRISPIN has expanded its sales team with the appointment of Ian Evans as Marketing Executive. He will be based in the Birmingham headquarters of parent company, Delcam, and will have responsibility for the global marketing of the CRISPIN range of design and manufacturing software, including the development of the new Delcam CRISPIN website.

Delcam CRISPIN is a leader in the industry with more than 2,000 customers worldwide for its range of programs. It is the only supplier able to provide a complete solution for the 3D design and manufacture of lasts, uppers and soles. The company also supplies specially-adapted systems for the production of orthopaedic footwear and for the design and manufacture of orthotics, plus a range of scanning and cutting equipment.

Mr. Evans graduated from the University of London in 2006. After graduation, he worked as Event Director for an international events and business intelligence organisation for two years, before moving into the clothing and footwear industry as Marketing Co-ordinator for Birmingham-based manufacturer and retailer.

Commenting on the appointment, Delcam's Commercial Director, Bart Simpson, said, "Despite our leading position in the industry, we still feel that there are many opportunities to further increase the sales of our software, both in the design departments of the major brands and in the factories manufacturing footwear. I am sure Ian's flair for marketing and his experience in the industry will help us achieve greater success in both these areas."

 [Click here to return to Contents](#)

Delcam UK Achieves Record Sales of Software/Maintenance

14 January 2013

Further evidence of the growing resurgence in UK manufacturing comes with the news that Delcam's UK Division last year achieved its highest sales of software and maintenance since the company's UK business was converted into a separate trading division in 1996. A large number of new customers for the company's CAD/CAM programs, plus increased investment in additional seats by existing customers, saw an increase of almost 40% in software sales.

UK General Manager, Steve Creron, explained that the growth in sales was only partly down to the same factors that saw Delcam's international business grow strongly during the year, in particular the broad range of software available from the company and the high levels of investment in product development that allowed Delcam to employ more CAM developers than any other supplier.

According to Mr. Creron, more important to the UK market was the outstanding reputation for support from the Birmingham-based team. In a recent survey of UK customers, the highest praise went to Delcam's Help Desk, which provides telephone support to users. More than half of respondents rated its service as excellent, with over 40% more giving a good rating. Similar results were given for the company's installation and training staff. Their services were also rated as excellent or good by more than 90% of customers.

"As a result of this support, more than 90% of our customers that responded replied that they would definitely recommend, or that they were likely to recommend, other companies to buy CAD/CAM systems from us," stated Mr. Creron. "Less than 1% said that they were unlikely to buy from Delcam again, with none saying that they definitely would not."

Further evidence of the high value placed on this support came earlier in the year, when Delcam was presented with the Best Supplier Partnership award for its relationship with Coventry Engineering

CIMdata PLM Industry Summary

Group at the MTA Manufacturing Industry Awards. This category celebrates successful relationships between a customer and supplier, covering any business partnership that has delivered excellence in innovation, sustainability, value or delivery.

Another important contribution to the record year came from outstanding results at the MACH exhibition. Delcam received orders for software valued at over £250,000 during the week of the show. Companies placing orders included Future Advanced Manufacturing, AKD Engineering, Hampshire Insulations, DPS Designs, PPA Group, MJB Precision and Formaplex. Further business was generated in the second half of the year from leads made at MACH.

 [Click here to return to Contents](#)

GRAPHISOFT and BIMobject Sign Strategic Partnership Agreement

16 January 2013

GRAPHISOFT® and BIMobject® announced at [BAU 2013](#) that they have signed a strategic partnership agreement, which aims to serve the ArchiCAD community with the broadest range of intelligent BIM components available on the web and in their native BIM environment.

“Building components are as mission critical to the design and realization of buildings as standard construction elements are,” said Akos Pfemeter, Director of Global Marketing at GRAPHISOFT. “We expect our customers to greatly benefit from the extended range of product families and manufacturer content that will be directly available to them with the addition of BIMobject.com as a content source to both ArchiCAD and BIMcomponents.com,” he added.

“BIMobject is committed to assisting architects and designers in realizing their designs with premium quality BIM objects of real, confirmed and approved products from existing manufacturers,” said Stefan Larsson, CEO of BIMobject. “We believe that ArchiCAD’s GDL technology and the end-to-end workflow that we are building from the manufacturers to architects and designers will greatly improve the quality of the BIM process throughout the entire lifecycle of BIM projects,” Larsson continued.

GRAPHISOFT and BIMobject have started to work on building direct links between their respective systems to make content from BIMobject.com directly accessible in ArchiCAD and BIMcomponents.com in the near future. For more information, please visit GRAPHISOFT Booth #431 in Halle C at BAU 2013, and/or BIMobject booth #329.

 [Click here to return to Contents](#)

I-Cubed Appoints Two New Business Directors

15 January 2013

CIMdata PLM Industry Summary

I-Cubed, an enterprise systems integrator specializing in PLM consulting, data migration and enterprise web and application services, has appointed two new business directors to assist with the company's growth and expansion into new markets.

Darin Sensabaugh has joined I-Cubed as the Director of Migration Services and Curtis Hamilton has joined as the Director of Business Development.

Darin Sensabaugh came to I-Cubed with over 20 years of experience implementing application and technology improvements. Considered one of the top experts in the country on PLM, PTC Windchill software and data migration, Sensabaugh will be working directly with Mark Winnie, VP of Migration Services, to manage and support the Migrations team's initiatives.

"As a previous customer, I saw first-hand the dedication of I-Cubed professionals and their drive to ensure that customer expectations are always exceeded," said Sensabaugh. "The CAD/PLM community is buzzing on the great things happening at I-Cubed and I couldn't wait to be a part of it."

Curtis Hamilton joined I-Cubed after working at Cisco Systems, where he spent over 10 years in sales, management and operations. Hamilton will be working with the VP of Business Development, Tony Pease, to manage active accounts, develop customer relationships and implement sales strategies.

"The growth potential of I-Cubed is substantial but the main reason I joined I-Cubed was for the passion of the people working here, from the Office Manager to the CEO," said Hamilton. "It is obvious that everyone here loves what they do and they care deeply about the success of I-Cubed and I-Cubed's customers."

For more information about I-Cubed, please visit www.i-cubed.com.

 [Click here to return to Contents](#)

IntelliCAD Technology Consortium Appoints Robert Berry as Business Development Director

14 January 2013

The IntelliCAD Technology Consortium (ITC) has announced the appointment of Robert Berry to the position of Business Development Director starting January 2, 2013.

Robert Berry brings a wealth of knowledge to the position with over two decades of experience as the Director of TurboCAD and the Owner of CADCourse.com. His international experience spans South Africa, Russia, Germany, England, France and Australia. His previous clientele include Boeing, Rio Tinto, The Blue Man Group, Houston Power and Light, the U.S. Department of Housing and the United States Air Force.

CIMdata PLM Industry Summary

ITC Chairman of the Board, Ladd Nelson of Carlson Software, said, "Based on the conversations and skills that Robert demonstrated, we felt his background in the CAD market and his variety of marketing skills were ideally suited for the tasks associated with the position. Rob's focus will be to explore the market and recruit new members into the ITC."

Mr. Berry commented, "I'm very excited to join the IntelliCAD Technology Consortium at this exciting time in the CAD market with the emergence of the mobile and 3-D printing platforms. I believe that my skill set and experience represent the perfect match to be able to champion the benefits of using the ITC source code products."

Companies interested in more details about IntelliCAD and membership in the ITC should contact the ITC directly. For more information about IntelliCAD and the ITC, including case studies, please visit <http://www.intellicad.org/>.

 [Click here to return to Contents](#)

Intergraph® Enters Partnership with Benemerita Universidad Autonoma de Puebla to Train Students with Design Solutions

15 January 2013

Intergraph® has entered into an educational program agreement with Benemerita Universidad Autonoma de Puebla (BUAP), the largest state-owned university in the state of Puebla, Mexico, to train students and instructors from the Superior Studies of Engineering and Technology Division using Intergraph's SmartPlant® Enterprise plant design solutions.

Benemerita Universidad Autonoma de Puebla is the first university in Mexico to sign this type of agreement with Intergraph. The three-year agreement was officially signed during a conference on campus. Honor witnesses included representatives from Petroleos Mexicanos (PEMEX) – the state-owned oil and gas company – and several major engineering, procurement and construction firms, including ICA Fluor, CH2M Hill, Uhde Engineering, Jacobs Engineering and III/SENER.

Mexico City-based PEMEX expects to build several more plants in the future and wants Mexican universities to be able to provide more and better-prepared engineers. BUAP chose Intergraph software to instruct students using state-of-the-art plant design technology that will allow them to make an immediate impact with owner operators and EPCs upon graduation.

BUAP faculty initially will be trained with Intergraph's SmartPlant P&ID, the No. 1 asset-centric, rule-driven P&ID solution in the global market, so it can be included as part of the master's degree assignment in chemical engineering. The university also intends to soon start training teachers and engineering students using these Intergraph solutions: SmartPlant Foundation, SmartPlant 3D, SmartSketch®, SmartPlant Electrical and SmartPlant Instrumentation.

CIMdata PLM Industry Summary

Maria Auxilio Osorio, Director of Chemical Engineering faculty at BUAP, said, "Benemerita Universidad Autonoma de Puebla takes pride in the ability to provide the finest educational tools available and prepare students to be the best possible engineers as they enter the work force. It's well known that Intergraph has the most advanced solutions available to owner operators and EPCs, and training with these products better prepares our graduates for their careers in engineering."

Gerhard Sallinger, Intergraph Process, Power & Marine president, said, "Intergraph is honored to partner with Benemerita Universidad Autonoma de Puebla to help the next generation of engineers be prepared to develop and design industrial plants using state-of-the-art technology. BUAP's decision to integrate Intergraph solutions into the engineering curriculum will enable its graduates to gain expertise for increased productivity and enhanced competitiveness in the labor force."

 [Click here to return to Contents](#)

ITC Infotech Becomes the 1st PTC Authorized Training Partner in India

15 January 2013

ITC Infotech and PTC India have jointly announced that ITC Infotech is the 1st Authorised Training Partner (ATP) for PTC in India. Under this agreement, ITC Infotech will provide to customers, high quality training services on PTC Windchill® PLM software & curriculum related to other products through In-centre and Onsite training classes. As part of the ATP program, ITC Infotech has also set up a state-of-the art training centre at its ITC Infotech park campus in Bangalore. As the exclusive ATP of PTC in India, ITC Infotech will provide the full range of training services on all PTC Windchill modules, which will help professionals enhance their careers and lead to a highly skilled pool of resources for the entire PLM industry.

Through this ATP programme, the target customer base will have access to PTC's training material and methodology and course completion certification. Training will be delivered using experienced instructors approved by PTC. Certification requirements will vary according to course and are established by PTC University, based in Needham in USA. The learning solutions under the ATP programme are completely scalable, and can focus not just on the training needs of a single user but can also address diverse requirements of an enterprise.

Eduarda Camacho, VP, PTC Global Services, said, "Industry best-in-class training tools and curriculum, plus the more experienced delivery resources, are combined to bring to the market and to the organizations the right skill sets at the right time, which will ultimately lead to the right output. PTC's award-winning Windchill® PLM solution has high regard in the industry and with the launch of ATP program (India Chapter), PTC together with its partner ITC Infotech, aims to train & certify more and more people to make them industry-ready in this ever-growing PLM market in India. These certified resources will enable organizations to implement and adopt product development best practices. The ATP India program will surely be another milestone for the PTC University program."

V V Rajasekhar, Sr Vice President, ITC Infotech, said, "The ATP program further consolidates our

CIMdata PLM Industry Summary

long-standing relationship with PTC. The curriculum and facilities will offer best-in-class training for individuals and corporates who wish to adopt PTC solutions and realise value from the PLM Investments."

Best suited for End-Users, Business Administrators, System Administrators and Team Leaders, the course is designed to impart best practices of PTC PLM solution (Windchill). End-users are given a comprehensive training to use the basic and advanced features of PTC Windchill with tips and tricks so as to enhance day-to-day usage. Additionally, ITC Infotech will also be offering Adoption Training to end users.

Jeffrey Wilmot, India Country Manager, said "India continues to offer huge opportunity for PTC and today, I am very excited to launch the India chapter of the Authorized Training Partner (ATP) program along with our valued partner -- ITC Infotech. The ATP program has been a huge success in EMEA and NA regions and I know that it will be the same for India. Through this program, PTC has globally managed to meet the ever increasing demand for PTC Windchill® certification in a professional & flexible way."

Ashwani Maheshwari, CEO - India and APAC business, ITC Infotech, said, "We see good demand for PLM in the emerging markets. PTC and ITC Infotech have a large client base using state of the art PTC-PLM solutions. By being an Authorized Training Partner with PTC, ITC Infotech will help existing and new clients, derive the 'maximum value' from their Windchill implementations"

 [Click here to return to Contents](#)

LEDAS Establishes US Business Entity to Better Serve Clients Worldwide

17 January 2013

LEDAS, a provider of R&D services in the field of engineering software, announced today that its shareholders and their US partner, Michael G. Taytslin, have established a company in Massachusetts, USA.

"The business activity for LEDAS in the global market has been growing steadily," said David Levin, founder and chairman of the board of LEDAS: "It was time to establish a new business entity with a local presence in North America to better support current customers and future business growth." Industry veteran Michael G. Taytslin, former chief information officer of PTC and operations executive at several software companies, will lead the new company.

"LEDAS comprises over 30 experts in computer science and mathematics and is an internationally recognized R&D leader in developing engineering software components," said Mr. Taytslin. "With its extensive experience delivering commercial grade software, technical expertise, and access to scientific, research and development resources in Russia, LEDAS has the capability to extend and improve

CIMdata PLM Industry Summary

software product development. I am eager to grow the company's global business."

Over the past ten years LEDAS worked with clients such as ASCON, Autodesk, Bricsys, Cimatron, CD-adapco, Dassault Systemes, Geometric, JETCAM, and Open Design Alliance on projects covering geometric constraint solving, variational direct modeling, collision detection, motion simulation, subdivision surfaces, mesh unfolding, knowledge-based engineering, CAD data extraction, and NURBS-based solid modeling. LEDAS engineers have extensive experience in programming for a range of CAD systems, including AutoCAD, BricsCAD, CATIA, Inventor, Rhinoceros 3D, SketchUp, and SolidWorks. From 2003 to 2011, LEDAS designed, developed, and globally distributed its own geometric constraint solvers, LGS 2D and LGS 3D. LEDAS is a key partner in a project to develop the next-generation geometric modeler.

 [Click here to return to Contents](#)

ShopBot Announces "Digital Fab Tools for Schools"

16 January 2013

ShopBot Tools has launched "Digital Fab Tools for Schools" at their education website, www.100kSchools.org. This promotion supports the wider availability of digital fabrication technology in schools, in collaboration with Autodesk, Inc. (www.autodesk.com). Using digital fabrication helps teachers incorporate hands-on "making" to teach STEM (Science, Technology, Engineering and Math) and other subjects.

With the support of Autodesk this ShopBot promotion provides teachers a voucher worth \$2,500 toward purchase of a ShopBot Desktop CNC, together with ShopBot's training and support, and a free* copy of Autodesk 123D Design software. This software is a 3D modeling tool that allows users to create a digital model and then 3D print or fabricate their idea.

These vouchers are only available to teachers, at www.100kSchools.org. They use the vouchers to purchase tools directly from ShopBot. Fifty ShopBot tools have been set aside for qualifying educators in the U.S. on a first come, first served basis.

Ted Hall, Founder and CEO of ShopBot (www.shopbottools.com), explained, "Along with the Desktop tool and Autodesk 123D Design software, we'll be providing special projects and tutorials at 100kSchools.org to help teachers get up to speed with digital fabrication, and its empowering capability to teach STEM, arts and other subjects. Our education customers continually report that students make real progress in math and science by making projects. "

"We're excited to partner with ShopBot in bringing digital fabrication tools into more schools to provide a fun, hands-on learning experience," said Samir Hanna, VP of Consumer Products, Autodesk. "We believe everyone is creative and the Autodesk 123D Design app is a great fit for anyone with the urge to make."

Vouchers are only available at 100kSchools.org. One of the benefits of the program is free access to the growing digital fabrication teachers' community of 100kSchools.org. This resource houses free projects, curricula, and forums for teachers. And with its "Buddy" (teachers helping teachers) community, 100kSchools.org will help connect the growing number of educators who are incorporating digital fabrication into their STEM, vocational, arts, and entrepreneurial programs.

 [Click here to return to Contents](#)

Events News

Aras Showcases Enterprise PLM at SolidWorks World 2013 with Extensive New Solution Functionality

17 January 2013

Aras® today announced that the company will sponsor and exhibit at SolidWorks World 2013, January 20-23 at the Walt Disney World Swan and Dolphin in Orlando, Florida. Located in booth #725, Aras will showcase new functionality for Aras EPLM, the full-featured, business-ready PLM software solution built on top of SolidWorks® Enterprise PDM.

Developed by Aras and designed specifically for the SolidWorks environment, Aras EPLM drives cross-functional collaboration and extends engineering processes throughout the company and the extended supply chain. Built on top of SolidWorks Enterprise PDM, Aras EPLM is a highly scalable and secure solution for New Product Development and Introduction (NPDI), Complex Configuration Management, Enterprise Change Management, Outsourced Manufacturing, Quality Compliance and more. With Aras EPLM businesses get exactly what they need without changing existing design processes or sacrificing their enterprise PDM installation, making Aras EPLM the ideal PLM solution for companies that run SolidWorks.

For more information or to see a demonstration of Aras EPLM, please visit <http://www.araseplm.com/>

Celebrating 15 years, the annual SolidWorks World Conference brings together designers, engineers, managers, and partners to discuss ideas, trends and the technology shaping the future of product design. Attendees can explore the latest in 3D design technology from more than 100 exhibitors, go in-depth in over 200 technical sessions and network with other SolidWorks users and industry experts. For more information visit <http://www.solidworks.com/sww/>

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

AVEVA is Gold Sponsor of ARC World Industry Forum 2013

16 January 2013

AVEVA announced that it is participating as a gold sponsor of the 17th annual ARC World Industry Forum 2013, being held in Orlando, Florida, February 11-14, 2013. AVEVA will use the event to showcase AVEVA Everything3D (AVEVA E3D), its new software product that enables Plant Design for Lean Construction. Plasco Energy, an AVEVA customer in North America, will speak during the panel session 'Managing Operational Risks & Business Continuity' explaining how they have implemented AVEVA PDMS into their current operations workflow, improving project efficiency and reducing rework, resulting in time and cost savings.

"The ARC World Industry Forum is an important conference for the process plant and oil & gas industries", said William Muldoon, Executive Vice President, North America, AVEVA. "We are delighted that attendees will have the opportunity to learn how Plasco Energy is working with AVEVA to greatly improve its operations workflow. In addition, we will showcase AVEVA E3D, our Plant Design for Lean Construction product that enables project teams to move to the next level of performance by exploiting technology innovations such as laser scanning. The forum is a great way to listen to the needs of the plant industry and continue our long-standing relationship with the ARC Advisory Group. We look forward to discussing AVEVA's software solutions and demonstrating to the delegates how they can improve productivity, increase reliability and reduce risk throughout the entire lifecycle of their assets."

Dick Slansky, Senior Analyst for ARC Advisory Group stated, "Once again, ARC is pleased to have AVEVA, an industry leader in engineering & design and information management solutions, as a Gold Sponsor for our 2013 World Industry Forum in Orlando. Clearly, AVEVA has identified this event as an ideal venue to discuss and showcase the company's innovative solutions that its global client base of EPCs and Owner Operators employ to improve both project and asset performance."

Learn more at ARC's World Industry Forum, 'Achieving Breakthrough Performance with New Processes and Technologies' on the following link: [ARC World Industry Forum 2013](http://www.arcweb.com/events/arc-orlando-forum/pages/default.aspx) (<http://www.arcweb.com/events/arc-orlando-forum/pages/default.aspx>)

 [Click here to return to Contents](#)

BobCAD-CAM to Unveil Brand New Version of BobCAM at Solid Works World Next Week

14 January 2013

Next week BobCAD-CAM will reveal their new BobCAM V3 for SolidWorks software at SolidWorks World in Orlando, Florida at the Walt Disney World Swan and Dolphin. The event, which runs January 20-23, will host over 200 technical breakout sessions, exhibit the newest 3D design and technology, and allow individuals and companies to network with others in the manufacturing industry.

CIMdata PLM Industry Summary

SolidWorks users are encouraged to stop by the Booth #401 to speak with a BobCAD team member to ask questions or learn more about the brand new updated CAM solution for SolidWorks. A team of BobCAD demo technicians will be available to provide demonstrations of the updated software that provides a full single-window solution for cnc part programming and simulation.

The new version of BobCAM introduces several new useful features, such as the addition of 64-bit capabilities, a tool crib, and a new pocketing strategy for the 2 Axis Standard module. V3 will also offer several new MultiAxis features including:

- 3+2 Machining
- Surface Based Machining
- MultiAxis Roughing Strategies
- Optimized SWARF Strategies
- Full Machine Simulation.

BobCAM V3's newest additions make programming easy for the least and most experienced machinists. The demo technicians will be available all day to answer all software questions, and the sales representatives will help you find the best SolidWorks compatible CAM software package at the best price for you.

They will be located at Booth #401, and will have team members on location every day of SolidWorks World. They will also be posting real time updates on their [Facebook Page](#) and [Twitter Feed](#). For more information on the new BobCAM V3 for SolidWorks, please call 727.442.3554 or visit www.bobcad.com.

 [Click here to return to Contents](#)

CGS & CGSNA “Show the world” the “CG Series” Booth 902 at SolidWorks World 2013 in Orlando Florida

16 January 2013

C&G Systems Japan & CGS North America Inc. Booth 902 will be showing the Premiere Version of its CAD/CAM System “CG Series”. SolidWorks World 2013 will be at the Whale & Dolphin Hotel, Orlando, Florida, January 20-23. CG CAM-TOOL, CG Mold Design and CG Press Die Design will function as add-ins to SolidWorks.

CG CAM-TOOL will be very similar to the standalone Version of CAM-TOOL, except it is be available in the SolidWorks environment. The high quality consistent tool paths will give the same results as before when machining molds and dies. The ability to effectively do Hard Milling and High Speed machining will be inherent in the results at the CNC Machine.

CIMdata PLM Industry Summary

CG Press Design is an automated system for Designing Stamping dies. The ability to automatically create drilling routines for all holes and Wire EDM helps eliminate many man hours and steps in the Die Manufacturing Process.

CG Mold Design is intended to eliminate steps in the Mold Design Process, including the same drilling routines and now will be working in the same environment as SolidWorks and CG CAM-TOOL to keep things uniform.

C&G Systems and CGS North America Inc welcome you to Booth 902 and will be happy to answer any questions that you may have.

If you have any questions about these products please send an E-Mail to info@camtool.com

 [Click here to return to Contents](#)

Combining SolidWorks and Edgecam, Featuring At SolidWorks Exhibition

18 January 2013

The unbeatable combination of SolidWorks and Edgecam is featuring at the SolidWorks World 2013 Exhibition at Walt Disney World, Florida.

The exhibition, running from January 20 to 23, focuses on showing visitors how SolidWorks helps their CAD process to be faster and more efficient. And manufacturers find the philosophy extends to CAM when they use SolidWorks in conjunction with Edgecam.

Edgecam will be proving that fast, high precision machining is no fairy tale, when it demonstrates its long-standing partnership with SolidWorks, and its new Workflow automation system, along with its powerful Waveform Roughing strategy, which users say pushes the boundaries of traditional milling, and puts it ahead of the field.

Domenic Lanzillotta, Edgecam's Channel Manager, Americas Region, says both SolidWorks and Edgecam are simple to use and easy to integrate. "We've been partners for many years, and with SolidMachinist for SolidWorks, we can take advantage of reading native file formats without the need for translation. This guarantees file integrity. Additionally, Edgecam is fully associative, meaning that any tool engineering changes to the model are automatically recognized by Edgecam, and tooling is automatically updated.

"SolidWorks users can also gain another benefit with Edgecam's Strategy Manager, which captures optimized machining processes and runs the entire sequence from a single click. This gives consistent reliable results, irrespective of the programmer's skill."

CIMdata PLM Industry Summary

Edgecam is exhibiting on Booth #706 at the show: venue, Walt Disney World, Swan and Dolphin, 1500 Epcot Resorts Boulevard, Lake Buena Vista, Florida. As well as highlighting the new and enhanced functionality in the latest release of Edgecam – 2013 R1 – the team will also preview the forthcoming Workflow system, which provides a flow framework to guide users from a new CAD model to NC code as intuitively as possible. It uses guided automation to accomplish the tasks of Part Setup, Analysis and Feature Creation, Manufacture, and Deployment. The new tools aid in loading and positioning the component; choosing the manufacturing method and suitable machine tools; adding user defined stock or stock from a database; importing fixtures; selecting a machine and toolkit; and managing strategies to automate manufacture.

Amongst the existing functionality in Edgecam 2013 R1 which will be demonstrated on Booth #706, is its new wire EDM feature; enhancements to the industry-leading waveform roughing cycle; a new time-saving option in the Profiling cycle to specify a chamfer or radius to break sharp corners, eliminating the need for deburring; and the ability to edit stock dimensions and re-pick geometry while retaining the stock shape. Changes to the stock are now considered automatically when regenerating the machining instructions.

 [Click here to return to Contents](#)

Delcam to Show Latest in CAD and CAM at AeroDef

18 January 2013

Delcam will demonstrate the 2013 releases of its complete CAD/CAM software for the design, manufacturing and inspection of aerospace and defense parts at SME'S AeroDef Manufacturing Conference, to be held at the Long Beach Convention Center from 19th to 21st March. The new releases include significant enhancements to enable users to increase productivity, reduce lead times and improve quality.

With its unique combination of solid modeling, surface modeling, direct modeling 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 product-development process.

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.

The most recent addition to PowerSHAPE is a range of direct modeling functionality that will speed up

CIMdata PLM Industry Summary

and simplify concept development, and enable tooling designers to tackle all the major challenges that they find in product designs, such as insufficient draft or inappropriate fillet sizes. These new options have been made as accessible as possible by enhancing existing commands rather than grouping them in a separate area of the software.

The new technology developed by Delcam called Vortex (due to be released in PowerMILL 2013 and then later in FeatureCAM) is the latest in area clearance. This new technology 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.

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 minimized, 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.

For inspection, a new module is available that allows PowerINSPECT to create efficient inspection sequences for use on dual-column CNC coordinate-measuring machines. This addition continues the drive to make PowerINSPECT the preferred inspection software for all types of metrology equipment.

The combination of a dual-column CMM and PowerINSPECT enables inspection times to be reduced by allowing the simultaneous measurement of different features on larger parts. A common application is aerospace inspection, where the evaluation of a large, complex and relatively symmetrical assembly requires intricate measurements on each side, combined with an assessment of the structure as a whole. Using this new module gives the ability to measure parts on these devices in a single coordinate system without repositioning.

The new release also continues the development of the reverse engineering functionality introduced earlier this year. The main development in this area has been an expansion of the "Digitized Curves" option to create a powerful re-engineering and modeling tool.

The automated section-measurement functionality, which was previously only available in the manual version of PowerINSPECT, is now available in both the OMV and CNC offline-programming versions. This strategy for creating probe paths along a section of the component provides quick and easy comparison of a cross-section against the CAD model. This type of section measurement is important for the measurement of blades and aerofoils.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Dimensional Control Systems at SolidWorks World 2013

15 January 2013

Don Jasurda, VP of Sales, and Rick Rots, Account Manager, of Dimensional Control Systems (DCS), a developer of dimensional quality solutions, will be attending the upcoming SolidWorks World 2013 International Reseller and User Conference and Exposition. The event will be held January 20-23 at Walt Disney World Swan and Dolphin, in Orlando, Florida.

SolidWorks World 2013 is SolidWorks' international conference to showcase its partners, solutions and applications. The conference offers a host of technical sessions as well as many opportunities to connect with SolidWorks' partner companies and network with other users.

DCS is excited to have the opportunity to meet with SolidWorks' resellers and users to demonstrate the 3DCS Variation Analyst for SolidWorks functionality. Leveraging its 12 years of experience as a CATIA V5 Gold Software Partner, DCS looks to carry that same success beyond CATIA into SolidWorks. With 3DCS Variation Analyst, SolidWorks users have the opportunity to analyze their design earlier in the design process to improve and optimize tolerances and assembly for maximum quality at a lower cost. This, in addition to the vast time savings of both being able to work with native SolidWorks files and remove the need for physical prototypes, can greatly decrease a product's time to market. Jasurda and Rots look forward to showcasing this valuable product suite, as well as meeting with professionals interested in learning more about the benefits of variation analysis.

“With DCS being new to the SolidWorks Partner Program, this conference is an excellent opportunity to introduce our solutions to SolidWorks' users as well as the reseller community,” said Rots. “We look forward to establishing new relationships that could provide the groundwork for future partnerships.”

To learn more or to see a live demonstration, stop by kiosk 1144-C at SolidWorks World 2013.

 [Click here to return to Contents](#)

Diverse Presentations to Highlight Pointwise User Group Meeting 2013

10 January 2013

Presentations representing a wide range of computational fluid dynamics (CFD) applications will highlight the Pointwise User Group Meeting here on 19-20 March.

Topics range from grid adaptation, Winslow elliptic smoothing, overset grid assembly using Sugar++ and application of T-Rex hybrid meshing for complex internal flows.

The presenters are

CIMdata PLM Industry Summary

- Dr. Michael Böttcher, Karlsruhe Institute of Technology
- Kevin Colburn, CEI
- Bruce Hilbert, University of Tennessee at Chattanooga SimCenter
- Dr. Mark Landon, Optimal Solutions Software
- Dr. James Masters, Arnold Engineering Development Center
- Dr. Ralph Noack, Celeritas Simulation Technology, LLC
- Dr. Umesh Paliath, GE Global Research
- Eduardo Perez, Master's Candidate, Texas A&M University
- Barbara Schoenborn, Voith Hydro
- Jeremy Shipman, CRAFT Tech, Inc.

A complete list of presentation topics and presenter biographies is available at the Pointwise User Group Meeting website, www.pointwise.com/ugm.

“The Pointwise User Group Meeting is an opportunity to bring together our customers, partners, and staff in a forum specifically designed for the sharing of information,” said John Chawner, president of Pointwise. “In the past, each presentation has provided valuable insight into how we can make our products better so that in turn our customers can do better CFD. We expect nothing less from this year's event.”

The Pointwise User Group Meeting 2013 will be at the Embassy Suites-Fort Worth, Downtown. There is a special group hotel rate for the event, plus an early discount of 24 percent for those who register by 8 February. Registration and other information about the event is available at www.pointwise.com/ugm.

Pointwise, Inc. is solving the top problem facing engineering analysts today – mesh generation for computational fluid dynamics (CFD). The company's Pointwise software generates structured, unstructured and hybrid meshes; interfaces with CFD solvers, such as ANSYS FLUENT, STAR-CCM+, ANSYS CFX and OpenFOAM as well as many neutral formats, such as CGNS; runs on Windows (Intel and AMD), Linux (Intel and AMD), and Mac, and has a scripting language, Glyph, that can automate CFD meshing. Large manufacturing firms and research organizations worldwide rely on Pointwise as their complete CFD preprocessing solution.

More information about Pointwise is available at www.pointwise.com.

 [Click here to return to Contents](#)

Mastercam® X7 for SolidWorks® Unveiling at SolidWorks World 2013

14 January 2013

CIMdata PLM Industry Summary

SolidWorks World 2013 will feature the latest in the line of powerful Mastercam machining software. From January 20-23, stop by booth # 123 at the Walt Disney World Swan and Dolphin, Orlando, FL, to get a sneak peek at the latest Mastercam for SolidWorks package, which introduces new partnerships and significant new capabilities, including Lathe support, workflow improvements, the new 3D HST Project toolpath, and so much more.

Lathe Support

Mastercam X7 for SolidWorks introduces many of Mastercam Lathe's toolpaths. A few included are several types of roughing toolpaths to quickly remove large amounts of stocks; finish toolpaths to follow the contour of chained geometry; groove toolpaths for machining indented or recessed areas; our new Dynamic Rough toolpath is designed for hard materials; and Plunge Turn is designed for special plunge turn tools only (specifically the ISCAR plunge and turn inserts).

ISCAR Partnership

Mastercam has been working with ISCAR on technology designed specifically to run ISCAR's latest tools. The joint partnership creates more consistent tool loads, reduces tool wear, and makes the most of your tooling investment. Stop by booth #123 to discuss your needs with a Mastercam and ISCAR representative, and find out how you can receive a free ISCAR cutting tool.

Tool Manager

Mastercam for SolidWorks' new Tool Manager provides a whole new way to organize and create your tooling. It offers a lot of power and flexibility for all your mill tools. The Tool Manager has been designed from the ground up as a flexible and efficient way to manage tools and tool holding components and to create tool assemblies that can be used in Mastercam for SolidWorks. It also integrates work material and cut parameter data so that you can take advantage of a manufacturer's cutting recommendations.

Additional features available in Mastercam X7 for SolidWorks are:

- New 3D HST Project Toolpath which projects either geometry or a toolpath from an earlier operation onto surfaces.
- A new editor, Code Expert, supports the new MP.NET posting language, legacy MP, NC code, and VB script. It includes completely configurable keyword highlighting, AutoComplete, prebuilt code snippets, outlining, and bookmarks.
- 5-axis Oscillating tool motion improves your tool life by not always machining with the same area of the tool.
- Trim to Stock function for Classic multiaxis toolpaths automatically modifies your multiaxis toolpath to reduce air cutting.
- Backplot and Verify utilities are now in a single easy to use interface which offers a more efficient workflow, better analysis tools, and more comprehensive toolpath support.
- And so much more.

CIMdata PLM Industry Summary

For more information on Mastercam for SolidWorks, and to view videos on the new software features, please visit www.mastercamforsolidworks.com.

 [Click here to return to Contents](#)

MecSoft to Exhibit at SolidWorks World 2013

16 January 2013

[MecSoft Corporation](#), the developer of computer aided manufacturing (CAM) software solutions, will be exhibiting at the SolidWorks World 2013 International User Conference.

The SolidWorks World International User Conference and Exhibition will be held between January 20th and January 23th of 2013 in Orlando, Florida at Walt Disney World Swan and Dolphin. This conference is the largest 3D CAD event of its kind. Featuring technical training, breakouts, and hands-on sessions, users gain insight into modeling methods and methods for increasing productivity. It is also a unique opportunity to see some of the most exciting products being developed using SolidWorks such as MecSoft's [VisualMILL for SolidWorks](#).

"As a long time Gold CAM partner for SolidWorks, MecSoft is happy to confirm its presence this year at the SolidWorks World show in Orlando, Florida," stated Paul Lipovanciuc, International Sales Manager at MecSoft Corporation. "We look forward to not only welcoming our partners from all over the world to our booth, but also to create foundations for new relationships. Our VisualMILL for SolidWorks product is a very strong one, and we are proud to have the opportunity to share it with the whole SolidWorks ecosystem."

Come see MecSoft at SolidWorks World at booth #109, or [visit MecSoft online](#) for more information.

 [Click here to return to Contents](#)

MLC CAD Systems Customer ProEdit, Inc. to Present at SolidWorks World 2013

17 January 2013

MLC CAD Systems, a SolidWorks value-added-reseller (VAR) is pleased to announce that their customer, ProEdit, Inc., has been selected to present best practices in using SolidWorks Composer to create assembly manuals for new products during SolidWorks World 2013 in Orlando, Fla. on January 21.

ProEdit, an Atlanta-based firm providing technical writing, instructional design, content development and editing services to a national customer base, was faced with a challenge. Their customer needed user assembly manuals developed in record time, and they needed to be able to input CAD models to create

CIMdata PLM Industry Summary

the illustrations.

ProEdit developers, Chris Reynolds and Johnathan Cunningham, turned to SolidWorks VAR MLC CAD Systems for technical advice and demonstration of the capabilities of SolidWorks Composer in their business. They quickly learned that they would be able to directly import CAD files created in many CAD systems and then easily create technical and marketing documentation (including user assembly manuals) in record time.

ProEdit purchased the software and training from MLC CAD Systems, who also provided their team with additional support. ProEdit won the contract and successfully completed the assembly manuals, resulting in another satisfied customer.

ProEdit and MLC CAD Systems have continued to utilize the Composer advantages to streamline production processes, reduce compatibility issues and make changes and design modifications easier, according to ProEdit Marketing Manager Chris Harris.

 [Click here to return to Contents](#)

SofTech Presents Water Pik's "Go with the Flow" PLM Strategy at SolidWorks World 2013

15 January 2013

SofTech, Inc. announces that it is exhibiting at SolidWorks World 2013 in Booth 411. SofTech will be demonstrating its [ProductCenter](#)® PLM solution including a Certified Gold Product integration to SolidWorks®.

SofTech has been selected to present at the SolidWorks Certified Partner Theater on January 21, 2013 at 7:30PM. SofTech's presentation entitled "Go with the Flow! Water Pik and SofTech Enable Secure and Efficient Management of SolidWorks Design Data in a Global Private Cloud", will highlight how Water Pik leverages SofTech's proven technology and expertise in managing, sharing, and protecting their SolidWorks design data to thrive in a highly regulated and competitive global market. SofTech will also demonstrate how implementing and utilizing a Private Cloud environment for design collaboration addresses today's real-world regulatory and security issues.

Visit Booth 411 to get the 411 on the benefits of PLM from SofTech – Your Product Solution Partner.

SofTech has been a SolidWorks partner for over 10 years providing solutions for managing product information generated through the SolidWorks software application. For additional information on the ProductCenter PLM components including the integrator for SolidWorks, please contact SofTech at (978) 513-2722 or visit the SofTech web site at <http://www.softech.com/products/productcenter-plm/components>.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Synergis Software Presents Adept PDM at SolidWorks World 2013

17 January 2013

[Synergis Software](#), developers of the SolidWorks Gold-Certified Adept [product data management](#) (PDM) system, today announced that it will showcase Adept 2013 PDM for the Enterprise at booth #800 during the SolidWorks World 2013 Conference, January 20-23, 2013. This is the 9th consecutive year that Synergis Software has participated in the SolidWorks World Conference.

As a Gold PDM Partner, Adept provides organizations with an easy, consistent, and secure way to access, manage, and share their SolidWorks product designs and related information across a workgroup or the enterprise. With the addition of over 20 new [PDM features](#) in the Adept integration with SolidWorks, users have easier, faster access to critical data management tools -- without leaving their 3D CAD environment. Adept 2013 also includes a significant upgrade to the world's best visualization tool, Oracle AutoVue 3D Professional, which is included with every Adept license. Other improvements include a more powerfully automated transmittal system and significant increases in performance.

"Our SolidWorks integration is constantly evolving, based on feedback from our clients," says Joe Gasper, product manager for [Adept's CAD integrations](#). "Our [SolidWorks clients](#) depend on Adept to ensure their documents are secure; their revisions are maintained; and unauthorized access to critical data is eliminated. Adept is a leading solution for sharing product design documents across global sites and with larger audiences such as the shop floor, sales, and contractors."

Todd Cummings, Vice President of Research & Development and Chris Fabri, Director of Solutions Engineering will also present a client case study on global freight rail manufacturer Miller Felpax at the SolidWorks Certified Partner Theater, January 21, 2013 at 7:00pm EST.

 [Click here to return to Contents](#)

Financial News

Dassault Systemes Schedules Fourth Quarter and Full Year 2012 Results Webcast and Conference Call for February 7, 2013

14 January 2013

[Dassault Systèmes](#) will host a webcast and a conference call on Thursday, February 7, 2013, to discuss its operating performance for the fourth quarter and full year 2012 ended December 31, 2012.

The management of Dassault Systèmes will host the webcast at 10AM London Time - 11AM Paris Time and will then also host the conference call at 9:00 AM New York Time - 2:00 PM London Time - 3:00 PM Paris Time.

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Both the webcast and the conference call will be available via the Internet by accessing Dassault Systèmes' website at <http://www.3ds.com/company/finance/>.

Follow the directions on the main page to link to the audio.

Please go to the website at least fifteen minutes prior to the webcast or conference call to register, to download and install any necessary software. The webcast and conference call will be archived for 30 days.

 [Click here to return to Contents](#)

EMC to Announce Fourth-Quarter and Full-Year 2012 Financial Results

15 January 2013

EMC Corporation will publish its fourth-quarter and full-year 2012 financial results on January 29, 2013 at approximately 7:00 a.m. ET. The news release will be available on the EMC Investor Relations website at <http://www.emc.com/ir> and on the U.S. Securities and Exchange Commission website at: <http://www.sec.gov/cgi-bin/browse-edgar?action=getcompany&CIK=0000790070&owner=exclude&count=40>. On January 29, 2013, EMC will issue a news release announcing the availability of the company's financial results at the websites referenced above.

EMC will hold a conference call for investors at 8:30 a.m. ET on January 29, 2013 to review fourth-quarter and full-year 2012 financial results. A live webcast of the conference call will be available at the EMC Investor Relations website at <http://www.emc.com/ir>.

 [Click here to return to Contents](#)

SAP Announces Record Full Year and Fourth Quarter 2012 – Full Year 2012 Non-IFRS Software and Software-Related Service Revenue Increases 17% to €13.2 Billion

15 January 2013

After a preliminary review of its fourth quarter 2012 performance, [SAP AG](#) today announced its preliminary financial results for the fourth quarter and full year ended December 31, 2012.

SAP delivered record revenues in 2012. Non-IFRS total revenue grew 14% year-on-year and exceeded €16 billion. Non-IFRS software and software-related service revenue grew 17% year-on-year to €13.2 billion.

SAP delivered strong overall growth in the fourth quarter. The company achieved strong software

CIMdata PLM Industry Summary

revenue performance in the APJ region. The EMEA region delivered impressive results in light of the continued uncertain market environment and the Americas region had a solid software revenue performance considering a tough year-over-year comparison. SAP delivered exceptional growth in its key innovation areas SAP HANA, Mobile and Cloud: SAP HANA had an outstanding quarter reaching nearly €200 million in software revenue in the fourth quarter and achieving almost €400 million for the full year. SAP's mobile business contributed more than €20 million to software revenue achieving its full year revenue target. SAP's strong cloud momentum continued in the fourth quarter: 12 month new and upsell subscription billings for SAP cloud applications increased nineteenfold. Derived from the total revenue of SAP's two cloud segments the annual cloud revenue run rate is approaching €50 million. Non-IFRS cloud subscription and support revenue in the fourth quarter increased more than twentyfivefold to €159 million.

“2012 was an outstanding year where we set many new records. We continued our double-digit growth momentum and exceeded our revenue guidance. We achieved a breakthrough in the cloud and today SAP is the second largest cloud player in the world. And we overachieved on our SAP HANA revenue ambition, making SAP the fastest growing next generation database company in the market,” said SAP Co-CEOs Bill McDermott and Jim Hagemann Snabe. “With our inspired people and our customer-centric innovation strategy we are perfectly positioned to continue our growth momentum in 2013. With SAP Business Suite on HANA we are redefining the software industry and opening up a new world of growth opportunities for our customers.”

“This fourth quarter is the 12th consecutive quarter of double-digit SSRS revenue growth. Thereby our total revenue for the first time exceeded €5 billion in a quarter. We invested significantly in key innovations while expanding our global go-to-market activities to further strengthen our mid-term growth ambition,” said Werner Brandt, CFO of SAP.

To view an unabridged version of this press release, visit: <http://www.sap.com/news-reader/index.epx?category=ALL&articleID=20239&searchmode=C&page=1&pageSize=10>

 [Click here to return to Contents](#)

TCS Delivers Well-Rounded Performance in Q3

14 January 2013

Tata Consultancy Services reported its consolidated financial results according to IFRS for the quarter ended December 31, 2012.

Highlights for Quarter Ended December 31, 2012

- Operating Income at \$804 Mn; a growth of 6.3% y-o-y and 5.3% q-o-q
- Dividend per share of ` 3

CIMdata PLM Industry Summary

- Earnings Per Share at \$0.33
- Gross Addition of 17,145 Employees (Net addition: 9,561)
- Attrition in IT Services falls to 9.8%; overall attrition including BPO at 11.2%
- Utilisation rate at 81.7% (excluding trainees)

Commenting on the Q3 performance, Chief Executive Officer and Managing Director, N Chandrasekaran said: “We have had an excellent quarter of well rounded performance and have driven a higher quality of revenue and increased profitability through focus on productivity and innovation. We had good revenue growth, balanced across service-lines, industries and geographies; our agile, customer-centric organization is delivering an increasing number of larger and deeper client relationships.” He added: “We believe that clients are going to invest in making their operations ‘digital-ready’ in 2013 and drive business growth. TCS is well positioned to help our clients in this journey.”

S. Mahalingam, Chief Financial Officer and Executive Director, said: “The overall performance has been in line with what we had outlined at the beginning of the year. Our superior execution in this seasonally weak quarter has delivered productivity gains and an expanded operating margin.” He added: “Our business model of delivering growth with the desired profitability requires us to invest in the front-end and in new capabilities and we will continue to make those investments.”

Operational Performance:

Growth in Q3 was broad-based. Among mature markets, USA and UK led the growth story. Amongst growth markets, Latin America showed double digit growth sequentially, followed by India. Amongst industries, growth was led by Banking, Financial Services and Insurance (BFSI), Energy & Utilities, Manufacturing & Retail & Distribution. In terms of services, TCS’ full services capabilities continue to be leveraged by customers with newer service lines like Enterprise Solutions, Infrastructure Services and Global Consulting driving growth. Asset Leveraged Solutions and Engineering and Industrial Services also showed higher growth.

Key Wins

- Signed a large service management deal with global financial services major in US, as the sole provider entrusted with their entire application portfolio. TCS’ Global Network Delivery Model (GNDM™) will be leveraged to deliver services seamlessly from centers in Mexico, China, Philippines and India.
- Engaged by one of the leading financial institutions in Asia as a strategic partner for maintaining, supporting and upgrading their core systems and infrastructure.
- Awarded a multi-million dollar, multi-year contract by a Mexican government department.
- Selected by a US-based communications company for a multi-year back-office transaction processing deal.
- Chosen by a global leader in logistics as its assurance service partner in a multi-year, multi-million dollar enterprise transformation initiative.

CIMdata PLM Industry Summary

- Selected for a multi-year, multi-million dollar deal by a Global CPG company for their enterprise level SAP transformation and global roll-out.
- Won a multi-year, multi-million dollar deal to be strategic partner to a North American healthcare company to establish and provide support to their shared services initiative.

To view an unabridged version of this press release, visit: http://www.tcs.com/SiteCollectionDocuments/Investors/Presentations/TCS_PressRelease_IFRS_USD_Q3_13.pdf

 [Click here to return to Contents](#)

Implementation Investments

A.H. Schreiber Selects DeSL's PLM/SRM Solution

15 January 2013

DeSL announces that A.H. Schreiber Company, a New York City based manufacturer of women's swimwear, has selected DeSL's PLM/SRM.

A.H. Schreiber Co. is one of the country's leading manufacturers and distributors of women's missy, plus-size, junior and girls' swimwear, as well as missy cover-ups. They are one of the largest swimwear firms based in the United States, in both dollars, units and breadth of distribution, supplying product to all tiers of the marketplace. The A.H. Schreiber Co. is a third generation family-owned business, founded and incorporated in 1923. They produce in excess of 12,000,000 swimsuits annually. Their talented design associates represent one of their greatest assets ensuring continued growth in their successful and thriving swimwear business. Many of their 175 employees, some 2nd and 3rd generation associates, have enjoyed long careers with the company. They are well diversified with regard to manufacturing, with multiple off site offices, and source from around the globe.

Seth Schreiber, COO, of A.H. Schreiber, commented, "We wanted one system which will encapsulate all of our processes giving us the necessary visibility for all departments. We believe this added efficiency and information consistency will show up in our product, and assist with our communication to our customers. We want to remove any opportunities for miscommunication from our first design through the samples process, right through our production stages, ultimately leading to our finished product."

Seth continued, "With DeSL's PLM/SRM modules, we expect a substantial improvement in product development communication and faster sample and production execution - no more confusing, spreadsheets, fewer emails and our internal and external teams will be able to collaborate in real time within the system."

CIMdata PLM Industry Summary

Marc Friedman, VP North America, commented, "As Seth had mentioned, the company was looking for a system that could improve communication and collaboration. DeSL PLM/SRM will deliver real world improvements."

DeSL is a global company delivering integrated web based solutions for the Fashion, Apparel, Textile and Footwear sectors. The company can already count leading global brands as customers including Calvin Klein, VF Corporation, Men's Wearhouse, Bravissimo, Nautica, GRI Group plus many more.

 [Click here to return to Contents](#)

ixent GmbH Uses MSC Nastran for the Layout & Simulation of Composite Structures

15 January 2013

[MSC Software Corporation](#) today announced that [ixent GmbH](#) is using [MSC Nastran](#) for the layout and simulation of composite structures.

Lightweight design is a primary objective for engineers at ixent GmbH. Composite materials are gaining increasing significance. Aerospace and automotive industries were one of the first to take advantage of composite materials, which combine advanced mechanical properties and require both technology and expertise to model and simulate. Today the benefits of composite materials are being recognized across industries, and the use of simulation software is helping mechanical engineers to better understand the behaviors and complexities of the materials.

The employees of ixent GmbH are specialists in the area of composite materials. [MSC Nastran](#) is used by the company's engineers for fast and numerically correct calculations of simulation models, which are generated with the company's in-house program. Due to MSC Nastran's broad solution range, the software is well suited for demanding simulation tasks and complex multidiscipline applications.

The numerical analysis and optimization of lightweight structures is a substantial component of the work at ixent GmbH. The focus is on:

- Concept definition with topology and shape optimization;
- Design of composite structures at the component level with optimization of thickness, fiber orientation, fiber characteristics and plies;
- Detailed optimization on the basis of existing concepts

"We concentrate on the design of function-optimized components where the possibilities of lightweight materials can be fully utilized," said Thomas Hahn, General Manager of ixent GmbH. "MSC Nastran is a central component of our work. Aside from its reliability and accuracy, many of the programs used by us and our customers offer MSC Nastran interfaces, which facilitate our work significantly."

 [Click here to return to Contents](#)

Mold-Masters Adopts Moldex3D to be the Global Standards for their Hot Runner Technology

15 January 2013

CoreTech System (Moldex3D) Co., Ltd., the “True 3D” injection molding CAE simulation solution innovator, and Mold-Masters, a global leader in hot runner technology, announced that Mold-Masters has selected Moldex3D software to be the global CAE analysis standards for design verification and optimization of hot runner system.

With over 900 granted and pending patents, Mold-Masters has created many technology breakthroughs and enabled countless new ways of molding a part with hot runners. In order to keep the organization with the strong technical leadership in today’s demanding global climate, Mold-Masters invested in a comprehensive product management project to set global CAD/CAM/CAE standards for the organization to accommodate the growing demands in hot runner business. Responsible for the project is the Global Engineering Team which leads Mold-Masters worldwide engineering offices in Germany, Canada, India and support China. After serious evaluation and benchmarking, Mold-Masters decided to globally adopt Moldex3D to build the CAE analysis standard for the design verification and optimization of hot runner system.

“In our 50 years in business, it has never been the plan for Mold-Masters to take the easy path in product development and engineering specification. We make the best, not the easiest.” said Hans Hagelstein, the president of Mold-Masters Global Engineering. ”At Mold-Masters, we are continually looking to have the best-in-class engineering analysis software to help us to deliver the ultimate in melt delivery and control systems. We selected Moldex3D because its unique technologies are what we would absolutely look for. Moldex3D not only offers more realistic mold filling simulation results for building the organization standard for hot runner design analysis, but also provides more advanced 3D features to help us on the deep investigation.

“We are very excited to be working with Mold-Masters which is the world leading supplier of hot runner technology.” said Dr. Venny Yang, the president of Moldex3D. “Hot runner system plays more and more important role in achieving an effective injection molding. Moldex3D not only offers the advanced coupled flow and thermal analysis for hot runner system, but also develops the private cloud solution for helping customer to build their own high performance computing platform. I firmly believe that Moldex3D unique capabilities will provide greater value to Mold-Masters for strengthening company competitiveness.”

 [Click here to return to Contents](#)

SRAM Uses PTC Product Lifecycle Management Solutions to Connect Business Processes, Technology and People

15 January 2013

CIMdata PLM Industry Summary

Multiple acquisitions coupled with strong corporate growth highlighted the need for SRAM to review the company's long-standing approach to [managing product data](#) across its network of globally-located employees, suppliers and customers. PTC today announced that SRAM is using the [PTC Product Lifecycle Management \(PLM\) Solution](#) to optimize product strategy and planning across the organization.

SRAM is passionate about cycling, just as passionate as its customers that cycle to work, down mountains or in road races. The bike components SRAM provides to manufacturers must utilize the latest technology available in the market in order to deliver to consumers a bike that's assembled for very specific requirements. SRAM has built a global company to address these requirements through a combination of strategic acquisitions and a next-generation product design strategy.

SRAM needed a PLM system that could represent the complete view of its products across its 16 locations in nine countries. Additionally, the company wanted a solution that would enable them to continuously improve the creation and management of SRAM product data in order to improve business processes that would speed time to market of new products.

"We will continue to seek and deploy design technology as we redefine and design bicycles and their components," said Michael Johnson, global PLM manager, SRAM. "To help us with this goal, we are using the PTC PLM Solution in our enterprise-wide, cross-functional, business process initiative that impacts all of SRAM, our suppliers and any of our customers who use our product-related data. PTC solutions give us a single, integrated, digital environment for data that helps us identify and manage new product opportunities much more quickly than previously."

The implemented PTC PLM solution defines parts (Product Specifications, Bill of Materials and Qualification requirements) and manages them via a closed loop change process. The PTC PLM solution is able to effectively manage complex, cross-functional processes and coordinate the efforts of distributed teams to consistently and efficiently to create the best possible products.

"Global product development is not just about reducing costs, it's about driving business growth in new, expanded markets," said Brian Shepherd, executive vice president, PLM, PTC. "To capture these market opportunities, companies need to share information and standardize processes. With one source of truth for all product-related information, manufacturers can take advantage of fast and secure collaboration among global sites and value chain partners to deliver new products to market faster. Manufacturers like SRAM understand the business value that PLM can deliver against these objectives."

 [Click here to return to Contents](#)

Tenneco Selects Actran to Support the Acoustic Design of Exhaust Systems

10 January 2013

CIMdata PLM Industry Summary

[MSC Software Corporation](#) announced that Tenneco has selected MSC Software's subsidiary [Free Field Technologies \(FFT\)](#) as a supplier of acoustics and vibro-acoustics simulation software. Tenneco manufactures exhaust systems for the automotive and commercial vehicle industry. The [Actran](#) software developed by FFT is used by Tenneco for modeling exhaust system pipe noise and shell noise.

Car manufacturers must develop cleaner, more fuel-efficient and quieter engines. In order to meet these challenging objectives, they require their suppliers to take responsibility for acoustic performance of the components they supply. Thus, exhaust manufacturers seek new concepts which meet strict noise emission regulations, without disrupting engine efficiency. This is extremely important as the design of an exhaust system can influence the engine performance, the radiated sound pressure levels, as well as the broader design of the vehicle.

Additionally, pass-by noise targets and interior acoustic criteria have to be considered for the entire vehicle, and the exhaust system is a major contributor when dealing with these aspects. Tenneco is continuously reassessing its development process to ensure it meets or even exceeds these requirements.

Tenneco recently acquired the Actran technology in order to predict acoustics & vibro-acoustics. Actran vibro-acoustics provides a rich library of elements, materials, boundary conditions, and solver solutions. The software is used to investigate the effects of design changes at any development stage, and to understand the physics of problems when they occur at the production stage. The Actran computational results are accurate, and have helped Tenneco rely more on simulations than on physical prototypes.

"The Actran software helps support our acoustic development programs," said Jerome Voillequin, senior acoustic engineer, Tenneco Emission Control Europe in Edenkoben, Germany. "Actran helps further improve how we investigate and understand acoustic challenges in order to ensure that we continue to provide leading-edge acoustic solutions for exhaust systems."

"Actran offers an ideal solution for covering Tenneco's needs as an automotive supplier," said Stéphane Caro, from FFT in Belgium. "Actran contains a rich set of features needed to model the acoustic performance of exhaust system products."

 [Click here to return to Contents](#)

Product News

Altair's HyperWorks Partner Alliance Expands Its Scope with the Addition of NovaCast Systems to Its Software Lineup

16 January 2013

The [Altair HyperWorks Partner Alliance](#) (HWPAA) announced today the addition of [NovaCast Systems AB](#) and its NovaFlow&Solid CV software to the partner program. This news is especially significant in that it is the first casting solution available within the HWPAA. The availability of this solution will

CIMdata PLM Industry Summary

satisfy longstanding customer demand for a casting solution and make the overall HWSA offering more complete.

NovaFlow&Solid CV is used for mold filling and solidification simulation based on fluid flow and heat-transfer theories. Using new meshing technology and new advanced numeric models, control volume meshing (CVM), also known as boundary method or finite volume difference, allows the user to utilize multiple materials in a single meshed element as well as automate most meshing. CVM has become the standard for superior computational fluid dynamics (CFD) in most well-known specialist programs and is expected to be more accurate. These advantages have helped NovaFlow&Solid CV become one of the most efficient and versatile casting process simulation packages on the market.

"NovaCast Systems is thrilled to have the opportunity to be the first casting process simulation tool to join the HyperWorks Partner Alliance," said NovaCast CEO and Product Manager Håkan Fransson. "We believe that becoming a part of this program will be mutually beneficial, since it will help our company gain exposure and new users and allow the HWSA to offer customers a more complete CAE solution with the capabilities from NovaFlow&Solid CV they have been asking for."

NovaFlow&Solid CV simulations can help optimize the casting process by visualizing and avoiding such defects as oxide inclusions caused by excessive turbulence, cold-shuts, shrinkage cavities and slag inclusions. Advantages that this solution offers include CVM technology; database calibration with actual alloy information; advanced pouring functionality; and many more. This software is applicable to most casting methods used in the market today, including gravity sand casting, gravity permanent mold, low- and high-pressure die casting, the lost wax method, tilt pouring and the lost foam process, as well as enabling the simulation of all commercial alloy metals, super alloys, all types of mold and core materials that exist on the market and exothermic materials.

"Altair is delighted to welcome NovaCast Systems to the HyperWorks Partner Alliance," said Altair Director of Software Development Mahender Reddy. "NovaCast's casting simulation suite of products strengthens our CFD and manufacturing process simulation offering for HyperWorks customers, and we anticipate that engineers from the automotive, aerospace and heavy-machinery industries will be able to leverage the benefits of this technology in their product development processes."

Twelve years ago, Altair's innovative thinkers established a unit-based licensing system that allowed HyperWorks users customizable access to a growing portfolio of applications while optimizing their investment. From that point on, every license has been composed of a pool of recyclable HyperWorks units (HWUs), which can be used to access any application within the HyperWorks family.

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 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 licensing model makes the benefits to participating HyperWorks customers infinite, with their return on investment increasing each time a new application is added to the offering. They can access any of the partner programs using the same leased

CIMdata PLM Industry Summary

HWUs they are already using to run HyperWorks, all available at no incremental cost or long-term commitment.

To learn more about NovaFlow&Solid CV, attend the introductory webinar, being held on [January 24th at 11am ET](#). This webinar will be hosted by Altair and presented by NovaCast Systems.

 [Click here to return to Contents](#)

Altair Releases PBS Professional 12.0

15 January 2013

[Altair](#) introduced [PBS Professional 12.0](#), the latest version of its workload management and job scheduling solution for high-performance computing, with exceptional new features that dramatically speed scheduling and boost utilization and agility.

"PBS Professional 12.0 advances Altair's technology significantly farther along the road to exascale systems, in which clusters will grow from today's tens of thousands of processors to a million or more," said Bill Nitzberg, chief technology officer for PBS Works at Altair. "Our latest release is faster, is more robust and offers better utilization. The HPC landscape is changing faster than ever around Clouds, Green, GPUs, and co-processors making customization key. Our new plug-ins provide the agility needed to keep up with this ever changing landscape."

PBS Professional 12.0 offers new capabilities that increase the efficiency and flexibility of high-performance computing, including:

Faster scheduling and start-up

- New scheduler optimizations provide 40 percent faster scheduling for complex workloads.
- Additionally, power-on is more than 10 times faster than previously achievable, with huge clusters able to start up in less than a minute. This means that systems can recover from computer-room power failures more rapidly than ever before.
- PBS Professional 12.0 also enables new racks of systems to be configured 10 times faster -- in seconds, rather than minutes, even for extremely large systems.
- The rapid-start capabilities of PBS Professional 12.0 also apply to interactive/debug jobs. Users become more productive by virtually eliminating waiting time before starting interactive jobs, where policies permit and resources are available.

Higher utilization through a new "shrink-to-fit" feature

- Shrink-to-fit allows users to run jobs -- or portions of jobs -- in the period immediately before a planned maintenance outage. Typically, computer systems remain unused for several hours prior to an outage because insufficient time is available to complete a job that may take many more hours to run. PBS Professional 12.0 fills those holes with malleable "shrink-to-fit" jobs, allowing

CIMdata PLM Industry Summary

useful work to be accomplished during the pre-outage period when otherwise no jobs would be running on the system and thereby providing greater than 95 percent utilization. Jobs get done sooner and scheduling of the computing systems operates more efficiently.

- One Altair beta customer reported they were able to reclaim 800,000 CPU hours over two months by using shrink-to-fit to run jobs prior to outages.

Plug-ins for "execution events"

- PBS Professional 12.0 introduces the second major component of Altair's plug-in infrastructure, allowing users to control, modify, extend and change job lifecycle events in the execution stage. Earlier, Altair released plug-ins for job submission filtering, provisioning, and scheduling. The latest plug-in allows for health checks prior to starting the job, filtering and changing computer behavior when the job starts and ensuring cleanup is correct.

PBS Professional 12.0 is built with increased hardening for Windows platforms, and the new release is Windows 8 compatible. Its broad platform support ensures that PBS Professional runs everywhere, including on the latest platforms such as Windows Server 2012, SGI UV2, SGI ICE-X and Cray CLE 4.1.

PBS Professional 12.0 is available for download at <http://www.pbsworks.com>.

 [Click here to return to Contents](#)

Aras Announces New Release of Microsoft Office Connector for Aras Innovator

15 January 2013

Aras® today announced a new release of the Microsoft® Office Connector for Aras Innovator®. With the Office connector for Aras, global organizations can manage documents, spreadsheets and emails in the Aras PLM suite without leaving Microsoft Office applications. The Office connector for Aras improves personal productivity while driving standardization and consistency for compliance throughout the enterprise.

See a live Demonstration of the Aras Office Connector

Thursday, January 24th, 2013 – 2:00pm Eastern

Register at <http://aras.com/plm/001744>

The Office Connector for Aras extends the PLM benefits of Aras to users in Microsoft Excel, Word, PowerPoint and Outlook. Users can create, store, edit, search and manage documents while working within the familiar, easy to use Microsoft environment. At the same time, the Office Connector for Aras provides administrators with sophisticated capabilities for document control and security, including need-to-know access, configurable automatic document numbering & naming conventions, the optional use of corporate templates, and more.

“Our Office connector is really designed to be simple for everyday users while providing powerful

CIMdata PLM Industry Summary

administration capabilities for the most complex global PLM environments,” said Peter Schroer, President of Aras. “Now, thousands of users across the enterprise can seamlessly work with PLM information from inside Microsoft Office while the controls and security required in military, medical devices, aerospace and other highly regulated industries are maintained.”

Aras Office Connector Features

Fully configurable to support your company’s corporate standards, practices and procedures, Aras Office Connector features include:

Search - Search files and templates in PLM from within the Microsoft Word, Excel and PowerPoint

View & Edit – Simply select View for read-only access or Edit to lock and modify a file

Automated PDFs - Auto generate PDFs of saved files to attach and distribute to other users in the workflow

Classification - Automated file naming and document number sequencing based on classification categories

Linking - Option to create relationships between Microsoft documents and Aras items such as Parts, Drawings, Projects, Process Plans, and other PLM items from within Microsoft Office. Relationships can drive naming and numbering, and are updated along with associated product components.

Revision & Version Control - Configurable revision and version control on Microsoft files provides traceability and assures that users always work with the correct version of a file

Side-by-Side Comparisons - Enables users to easily view side-by-side comparisons of different revisions of the same document or file

Enterprise Change Management - Apply lifecycle states, approval workflows and sign-offs to documents such as engineering change requests or document change orders

Templates - Create standardized Office document templates that comply with corporate conventions and are ready-to-use for end users

Property Mapping - Map properties from native Microsoft files to Aras or from Aras to the native Microsoft files

Outlook Emails - Capture and store Outlook emails with embedded images and attachments as part of the product record in Aras

Compliance - Document controls, tracking, traceability and audit trails streamline and simplify compliance

Security – Need-to-know access rights and permissions on files managed from within Aras

Learn more and see a live demonstration on the Microsoft Office Connector for Aras webcast on Thursday, January 24, 2013. Registration at <http://aras.com/plm/001744>

 [Click here to return to Contents](#)

ArchiCAD STAR™ Edition 2013 Roll-out Starts

11 January 2013

GRAPHISOFT today announced the release of ArchiCAD STAR™ Edition 2013 starting with the German and Austrian versions. ArchiCAD STAR™ EDITION 2013 runs on the robust, well-tested engine of ArchiCAD 16 for unparalleled speed and performance, and is optimized for smaller-sized firms in the architectural design software market.

CIMdata PLM Industry Summary

ArchiCAD STAR™ Edition 2013 contains all the tools necessary to create the BIM model from which the entire architectural documentation and the list of materials can be derived. The new release introduces functions to STAR™ Edition users including:

- **MORPH Tool:** The Morph Tool introduces direct modeling capabilities into the native BIM environment, allowing element creation with any custom geometry in an intuitive, graphical way, featuring popular modeling techniques, like Push & Pull.
- **SHELL Tool:** From the simplest barrel vaults to the most sophisticated rib vaults, the architect has always aspired to combine durability, utility and beauty. The Shell tool supports the broadest spectrum of architectural shapes and forms found in both classical and modern architecture.
- **Profile Manager:** Create and save a wide variety of extruded forms for quick conceptual design or highly detailed composite structures that connect based on priority. Assign custom materials, define core, and finish components for a fully functional workflow.
- **Profiled/Slanted Walls, Columns and Beams:** Walls, Columns, and Beams can now have complex geometry that is easily achieved with the help of the profile manager. Using the slant property of the Wall and Column tool open a whole new array of possibilities in design.
- **IFC Support:** ArchiCAD STAR™ Edition 2013 supports the import/export and data structure of the IFC standard. The Open BIM workflow supported by the IFC protocol enables collaboration between architects and engineers regardless of their discipline or the name and version of their application.
- **External Drawings:** Link PDF, DWG/DXF or Image files in your project and handle them dynamically with ArchiCAD STAR™ EDITION 2013.
- **BIM Components:** Access the cloud-based BIM component database right from ArchiCAD Start Edition 2013. Create, share, upload and download custom BIM elements instantly, and find library parts both locally and on the portal by searching for keywords.
- **3D Editing Enhancements:** Handy improvements in 3D editing take the guesswork out of 3D modeling input. Place, or move and elevate objects anywhere in one move. 3D feedback makes the split and rotate commands easy to use. Advanced editing plane handling and a series of new “smart cursor” variants make precise input even easier.

ArchiCAD STAR™ Edition 2013 offers an all-round BIM package at a very competitive price – but price alone should not drive the purchase decision. BIM is a serious commitment and those interested are urged to take the time to ask for a free demonstration at one of GRAPHISOFT’s [local representatives](#).

ArchiCAD STAR™ Edition 2013 German and Austrian versions will be available beginning January 14, while the International version will start shipping on January 18. Additional local versions are launching subsequently during Q1 2013.

For more information about ArchiCAD STAR™ Edition 2013, please visit the [official product website](#).

 [Click here to return to Contents](#)

ASCON Integrates Rendering Technology from Redway3d

15 January 2013

ASCON, developer and integrator of professional CAD/AEC/PLM solutions, today announced that they have selected the Redsdk rendering application from Redway3d for adding real-time and photorealistic rendering into a future, prospective, unannounced yet software products.

“It is always an honor and a great satisfaction when leading software companies like ASCON decide to integrate the Redsdk graphics kernel after a very selective process. ASCON was looking for a provider, which could provide graphics enhancements to their customers both for design (real-time) & marketing (photo-realistic) but also to support their long-term technical road map in the visualization area. I am delighted to start this new partnership with ASCON and I am looking forward to see the first ASCON products with the Redsdk graphic kernel on the market,” said Lionel Schmitt, CEO of Redway3d.

“We are working on a number of new projects now, and we found that we needed a visualization application that would take full advantage of today’s powerful graphics cards, and would provide us with high quality images,” said Vladimir Panchenko, deputy head of new projects department of ASCON. “After we completed comparative testing, we chose the Redsdk solution from Redway3d. We were attracted not only to their support for a wide range of graphics cards, but also to their ability to provide a single solution for real-time visualization and for generating photorealistic images.”

 [Click here to return to Contents](#)

Bentley Systems Becomes Authorized Provider of IACET CEUs

15 January 2013

The International Association for Continuing Education and Training (IACET) has awarded Bentley Systems, Incorporated the prestigious Authorized Provider accreditation. IACET Authorized Providers are the only organizations approved to offer IACET Continuing Education Units (CEUs). The accreditation period extends for five years and includes all programs offered or created during that time.

“Bentley is proud of our Bentley Institute learning programs, which train infrastructure professionals each year in important information modeling, integrated project, and intelligent infrastructure skills so that our users stay on the cutting edge,” stated Peter Huftalen, vice president, Bentley Institute. Huftalen added, “Our new partnership with IACET is a demonstration of our commitment to lifelong learning and high standards for all of our programs, and we are very pleased to join such a prestigious organization as well as an elite group of organizations that offer excellent continuing education and training programs.”

“We are pleased to welcome Bentley Institute as our newest Authorized Provider organization,” stated Michael Todd Shinholster, president of IACET. “Bentley joins nearly 650 organizations around the globe that have had their programs vetted by third-party experts in continuing education to ensure the highest possible standards are met.”

CIMdata PLM Industry Summary

Today, architects, engineers, geospatial professionals, constructors, and owner-operators can choose from more than 100 Bentley Institute live training courses that earn IACET CEUs, and that number is expected to grow throughout the accreditation period. All learning opportunities are developed by infrastructure professionals well-versed in information modeling, integrated project, and intelligent infrastructure principles. By combining the excitement of discovery with relevance to the practical world, the knowledge and skills delivered during training enhance users' productivity, project quality, and profitability to sustain an efficient and effective workforce.

In order to achieve Authorized Provider accreditation, Bentley Institute completed a rigorous application process, including a review by an IACET site visitor, and successfully demonstrated adherence to the ANSI/IACET 1-2007 Standard addressing the design, development, administration, and evaluation of its programs. Bentley Institute has pledged its continued compliance with the Standard and is now authorized to use the IACET name and Authorized Provider logo on promotional course material. In addition, Bentley is now linked to the IACET website and is recognized as offering the highest quality continuing education and training programs.

 [Click here to return to Contents](#)

BlankWorks V5.0 for SolidWorks 2013 Announced By Forming Technologies Inc.

16 January 2013

Forming Technologies Inc. (FTI) announces the worldwide release of BlankWorks v5.0. BlankWorks provides SolidWorks® 2013 users with a fully integrated add-in application for developing optimal flat patterns from complex 3D designs.

BlankWorks is most commonly used for flattening complex 3D sheet metal components but has also been employed for flattening a wide variety of other SolidWorks designs ranging from vinyl decals, canvas tents, swimming pool liners, upholstery, boat hulls, aircraft and helicopter parts, insulation, thermoform packaging, electronic, and consumer product components. "Over the past 13 years, a wide variety of industries that design complex 3D parts manufactured from 2D raw material have adopted BlankWorks for flat pattern development", said Dan Marinac, director of business development at FTI. "However, the most common industry served is progressive die tooling design"

"BlankWorks 5.0 gives SolidWorks 2013 users a competitive advantage during the die tryout stage of tooling development. Trial and error methods traditionally used to develop complex flanges and flat pattern shapes can take days to weeks to develop. Using BlankWorks, users are able to develop flanges and blank shapes for their stampings in less than a minute. The accuracy of the developed flanges and blanks is unparalleled in the industry", adds Marinac.

New features in BlankWorks 5.0 include feature line mapping which allows users to map lines and

edges from part to flat pattern or curved surface. This is extremely important for precisely locating manufacturing details such as surface edges, holes, bend lines or paint lines on the 2D blank prior to stamping. Further, FTI has added a sketch showing the minimum rectangular blank encompassing the flat pattern. In addition to flat pattern development and flange unfolding, BlankWorks also provides a contour plot indicating the thickening and thinning resulting from the forming process. It accounts for material stretch and deformation as well as bending and can flatten any SolidWorks geometry including imported data. This tool can also be used to assess the feasibility of a part for manufacturing.

 [Click here to return to Contents](#)

datakit Update: CrossManager 2013

16 January 2013

datakit, a leading CAD data exchange company announces CrossManager© 2013 update for CAD converters, along with plugins and SDK toolkits. This release comes with several CAD reader updates: Dassault Systemes© CatiaV6 R2013, SolidWorks© 2013 and Siemens NX© 8.5. Up-to-date version information can be found on http://www.datakit.com/en/cross_manager.php. This new version also shows enhancements in PDF3D output, including rendering information and assembly structures.

datakit is continuously bringing new functional enhancements including STEP reader/writer conformance to CAX-IF Recommended Practices and LOTAR expectations. datakit operates as a Solution Provider for AP242 ballots and actively participates in these works, in order for STEP to provide the highest possible services, and to be ready when AP242 becomes a public standard.

To get more information, please browse and register on datakit website: <http://www.datakit.com/en/register.php>.

For more information, please visit www.datakit.com.

 [Click here to return to Contents](#)

Delcam to Launch New Software for Accommodative Orthotics

17 January 2013

Delcam will demonstrate the latest version of its OrthoMODEL design and manufacturing software for custom orthotic insoles at the 2013 Academy Annual Meeting & Scientific Symposium to be held at the Caribe Royal Resort in Orlando, Florida, on 22nd and 23rd February. This features developments specifically for the development of accommodative orthotics.

The new "real-time design" version OrthoMODEL will benefit practitioners and laboratories supporting patients with diabetes and clients needing comfort insoles produced from EVA and similar softer materials. It has been developed principally to meet the increased need for orthotics to provide proactive

CIMdata PLM Industry Summary

care of the feet of diabetic patients. Insoles give pressure relief across the foot, so improving patient outcomes and limiting treatment costs by reducing the risk of ulceration and eventual amputation.

With such clear medical and economic arguments in their favour, the manufacture of insoles for diabetic patients is seeing a large increase in demand as the spread of the disease is reaching epidemic levels. The volumes now required can only be met through the application of modern CAD/CAM technology in place of the traditional process using plaster casting.

The new version OrthoMODEL2013 is even easier to use than the previous software. The design of the orthotic can be created automatically from the prescription as it is input. Sculpting, cuts and additions, such as depressions to provide relief for ulcerated regions, can be added at any stage. The complete design can be visualized and modified in real time so that the practitioner or laboratory can be sure they are happy with the shape being generated before it is sent for manufacturing.

Alternatively, the design can be developed automatically using methods based on the many years' experience of Delcam and its customers in helping patients with a range of problems. For example, to provide care for a patient suffering from neuroma or from plantar fasciitis, the user simply selects a button for the style or pathology of orthotic needed and the software will generate the appropriate design automatically.

As with all of Delcam's products for the orthotics industry, the new software has been developed in association with Delcam customers from laboratories, podiatrists and orthotists from around the world, coupled with Delcam's knowledge of footwear design and manufacture gained from its relationships with leading brands.

 [Click here to return to Contents](#)

GstarCAD2012 Extended Version Released

11 January 2013

"Excellent software is alive, its birthday will never be its end, but be more outstanding via developers' decoration" – Director of Product Development said that while an extended version GstarCAD2012 EX was finished. It has been a year since the birth of GstarCAD2012; it is still energetic now, and has continued to be enhanced by the latest technology and market requirements. At present, as the release of GstarCAD2012 EX, its competitiveness will emerge gradually in the future.

GstarCAD2012 EX is an innovation during the life circle of software by Gstarsoft with the purpose to provide better design experience and wider software choice. GstarCAD2012 EX not only inherits many excellent functions of original version but also improves the performance, extended functions and etc.

1. Faster

GstarCAD2012 EX did the optimization and functional improvement to .dwg. The processing power of large drawings such as topographic maps was greatly improved; the actual test result tells us the speed of reading and operation were promoted as much as 50%.

2. More powerful

To meet the requirements of users, several express tools were added into GstarCAD2012 EX. These tools were designed for the actual needs of users, including Aligntool, Arrangetool and Changetext etc.; the vexed problems often encountered by designers are effectively solved and designing operational procedures are simplified perfectly. (For more information please go to: www.gstarcad.net)

3. More stable

GstarCAD2012 EX inherits the strong stability of GstarCAD2012. During the practical application, Gstarsoft has been constantly collecting feedbacks of users and doing enhancement, the high stability is finally realized.

In order to meet the requirements of users, Gstarsoft releases GstarCAD2012 EX instead of GstarCAD2013, because GstarCAD2012 EX is not only lower cost but also meets the requirements of users. The software presents the attitude of “based on quality with continuous improvements” and the ideal of “users-centered”. In the future, Gstarsoft will make more perfect CAD software, a bunch of surprises will be brought to users by GstarCAD.

 [Click here to return to Contents](#)

Knovel Launches Updated Interactive Graph Tools

14 January 2013

[Knovel](#) today announced an impactful update to its interactive graph tools. The company has substantially improved the user interface and functionality of its Equation Plotter, Graph Digitizer, Graph Plotter, Phase Diagram Viewer and Parameterized Graph tools.

"Knovel aims to help engineers mine the usefulness of data, and these updated graphs are powerful tools engineers can use to find better answers more quickly," said Sasha Gurke, senior vice president and co-founder of Knovel.

Knovel offers more than 100,000 interactive objects, and the interactive graphs allow users to derive x , y coordinates from curves that can be expressed as an equation, digitize normally static graphs or plot and compare several curves from individual data points in a table. With the latest update, engineers are able to easily print or export graphs to Excel. Additional new features include:

- Significant performance and usability enhancements inspired by suggestions from Knovel users
- Completely reprogrammed scalable resolution so all the graphs can be resized within an enhanced user interface
- New and improved functionality controls and a quick how-to-use guide
- Ability to select a point to determine *an x or y coordinate*

CIMdata PLM Industry Summary

- Graphs no longer require Adobe Flash Player

The new graphs are now available. Customers interested in a demonstration are encouraged to attend a webinar on February 4th. Register online at <http://pages.knovel.com/NewGraphsTraining02042013.html>. For additional questions, contact Knovel customer support at support@knovel.com.

 [Click here to return to Contents](#)

Latest Version of Siemens' Femap Software to Increase Engineering Productivity

17 January 2013

The latest release of Siemens' [Femap™ software](#) increases engineering productivity in product development simulation and analysis due to significant enhancements in data handling and graphic performance. Version 11 (Femap 11) speeds data access by up to twenty five times and reduces memory usage by up to 80 percent, delivering a smaller more manageable model file. In addition, dynamic rotation of large, complex models is at least five times faster than the previous version. As a result of these, and several other enhancements, engineers can speed finite element analysis while maintaining product quality and performance. Femap, an offering of Siemens' product lifecycle management (PLM) software business unit, is the world's leading pre- and post-processor for engineering finite element analysis (FEA) running on the Windows® operating system.

"I was very impressed with the performance of Femap 11," said Cong Yuan, a Femap 11 beta tester at NST an engineering consulting firm engaged in the development, marketing and technical support of CAE (computer-aided engineering) application software. "Using one of its new features, we were able to significantly reduce processing time while keeping the computer resource usage low. Reopening a large analysis result file was over 200 times faster. This is great news for CAE users who are concerned about the trend of increasing analysis model sizes."

Engineering productivity is further supported in Femap 11 through the creation of geometry from a finite element mesh when no underlying geometry is available. This simplifies modification and enables legacy finite element models that previously took hours to update to now be done in minutes.

"The enhancements in Femap 11, improve productivity and product performance by enabling engineers to review results data faster and perform more thorough and complete analysis of complex engineering problems," said Bill McClure, vice president of product development, Mainstream Engineering, Siemens PLM Software. "The ability to accurately simulate in a virtual environment how a product will perform in the real world can have significant impact on the cost, quality, safety and customer satisfaction associated with that product."

Femap 11 is available immediately. For more detail on all the latest enhancements, please

visit www.siemens.com/plm/femap.

 [Click here to return to Contents](#)

Lattice Technology Releases Lattice3D Reporter™ v6

10 January 2013

Lattice Technology, Inc. announced the availability of their latest release of *Lattice3D Reporter™*, v6. This product is a software plug-in that allows manufacturing companies to quickly and easily embed ultralightweight, interactive versions of a 3D CAD model and related part information into any Microsoft® Excel® file.

The 3D embedded information may include multiple bills of materials (eBOM, mBOM, sBOM), work instructions, assembly animations and 3D interactive snapshots. Unlike comparable solutions, the embedded 3D models are accurate for measurement and other functions. One of the key features of *Lattice3D Reporter* is that templates automate the publishing process, allowing users to define how models and their associated information will be represented in Excel. This solution is powered by the industry's most compressed, secure and accurate 3D format—XVL developed by Lattice Technology.

The embedded Excel files may be viewed with Excel using the free Lattice Technology plugin, *Lattice3D Reporter Viewer™*. Using this plug-in, anyone can review and interrogate interactive 3D models and their associated information via Excel, one of the most commonly used information tools. The result is immediate improvement in communication, accuracy and time-to-market.

“*Lattice3D Reporter* is a leap forward for the manufacturing industry because it provides unprecedented clarity of information across the extended enterprise,” stated Bill Barnes, Lattice Technology general manager for Americas and Europe. “By combining the industry’s most lightweight, accurate 3D format with a tool as ubiquitous as Excel, we deliver an easy to use solution that provides invaluable data to anyone inside or outside of the company.”

The latest version of *Lattice3D Reporter* enables even greater productivity, ease of use and communication with updates to the following key features:

- Powerful lightweight format—All 3D graphics load quickly, allowing users to locate a part visually, instead of remembering long numeric IDs. Thumbnail “snapshots” give users alternate perspectives, assembly relationships or animated instructions.
- Expanded Excel toolset for 3D—Build 3D spreadsheets within Excel, saving all information with the “.xls” extension. Information can be used in an interactive 3D environment or printed in 2D, giving users unprecedented flexibility.
- Automated updates of spreadsheets—When engineering data is updated and released, previously created spreadsheets are automatically updated, saving time and eliminating the possibility of costly errors.
- Integration with existing IT infrastructures—3D data from engineering is rapidly integrated into existing ERP, PLM and other IT infrastructures, improving productivity and communication throughout the extended enterprise.

CIMdata PLM Industry Summary

KCMA Corporation (Kawasaki Construction Machines, www.kawasakiloaders.com) fabricates and assembles front loader heavy equipment in their plant in Newnan, Georgia. When a joint-venture resulted in a total redesign of all their models, KCMA implemented *Lattice3D Reporter* to shorten the learning curve, reduce assembly time and ensure quality as workers implemented the new designs.

“Using *Lattice3D Reporter*, we have seen a forty percent reduction in start-up assembly time for new products at our plant,” explained Tony Endo, Assistant for Vice President at KCMA. “In addition to saving time, the 3D models and related parts lists help us maintain the high quality standards of Kawasaki products.”

Lattice3D Reporter is a Microsoft Excel plug-in which is available for purchase as a floating or node-locked license. *Lattice3D Reporter Viewer* is an Excel plug-in available as a free download from the Lattice Technology website.

 [Click here to return to Contents](#)

Legrand goes 3D with AVEVA

14 January 2013

Legrand’s Swifts IEC cable ladder, IEC cable tray, Salamandre distribution trunking and Cablofil wire mesh cable tray systems have been integrated into the industry leading AVEVA PDMS 3D design software.

Matt Crunden, Marketing Manager for Legrand’s cable management division, said: 'This has been done with the dual intention of increasing specifications and placing our products in the right shop windows in recognition of the industry’s shift to Building Information Modelling (BIM).'

Bruce Douglas, AVEVA’s Senior Vice-President, EDS Strategy & Marketing, said: 'Legrand is a world leader in cable management and we are delighted to provide integration for its cable management solutions to AVEVA PDMS 12 series.

'We are working hard to offer our customers greater access to industry standard components directly within PDMS, allowing them to use standard databases rather than being forced to create their own catalogues. This integration is further evidence of why PDMS is widely considered the most configurable 3D plant design solution for the process plant and power industries.'

For further information on Legrand, its cable management solutions and how they are operating within BIM visit www.legrand3d.co.uk or call 0845 605 4333.

For information from AVEVA on how to gain access to this catalogue please contact your [local support office](#).

 [Click here to return to Contents](#)

PDF3D Platform Releases Improvements to Core Engine

17 January 2013

With PDF3D® Platform suite 2.6.0, Visual Technology Services has introduced substantial improvements to core 3D PDF generation, updating both application programs and integration software developer toolkit (www.pdf3d.com). The release contains substantial core generation technical updates affecting the entire product suite for processing larger models. The key features of this release are:

- Latest DWF, DWG™, DXF™ 2013 Edition File Conversion Support
- Open Design Alliance (ODA) Teigha® 3.8 Integration Support
- Attribute Preserving 3D Mesh Simplification Processing
- Improved Non-Cubic Trimmed NURBS Generation Methods
- GeoTIFF Geospatial Coordinate Support for Terrain Draping
- Microsoft® Windows 8 Runtime and VisualStudio® 2012 Development Support Added
- Adobe® Acrobat® XI Interoperability Update

As 3D model files continue to grow to challenging size and complexity, the PDF3D core report generation system is updated to handle large models, including a new sophisticated mesh reducing simplification process which preserves contour attributes for technical engineering data. PDF3D is actively used for technical 3D reporting work-flows in life sciences, marine, civil, environmental engineering projects, earth resource exploration, numerical modeling, and general scientific data visualization reporting. 3D PDF reporting enables faster decision making, lowering project costs through improved team collaboration.

 [Click here to return to Contents](#)

SolidACE Adopts Integrated Structural Modeling Technology for SolidWorks

15 January 2013

SolidACE, a company developing computer aided design and engineering tools for the architectural, building and construction engineering, and plant engineering markets, announced the release of the new version 4.0 of BuiltWorks, a structural steel design and engineering add-in application for SolidWorks 2013 platform.

With a new BuiltWorks version 4.0, SolidACE introduces first step of Integrated Structural Modeling (ISM) Technology workflow for SolidWorks. ISM is the comprehensive interoperability framework for structural information from Bentley Systems Inc.

CIMdata PLM Industry Summary

“ISM technology is becoming a new de-facto structural interoperability platform that maximizes the interoperability of structural information among different specialized applications, CAD and BIM platforms, and design reviews of a project’s structural information,” said Dr. Vladimir Popov, CEO of SolidACE. “Adopting ISM technology for SolidWorks, BuiltWorks facilitates establishing the communication chain within and between companies of AECO industry, involved in the design, analysis, fabrication and construction of buildings and structures”.

Some of most important key features of new BuiltWorks version 4.0 for SolidWorks are:

- Compatible with SolidWorks 2013; versions for SolidWorks 2012 and 2011 are also available, while SolidWorks 2010 is no longer supported;
- Create ISM repository from SolidWorks structural members, and update it whenever changes occur;
- New feature import CIS/2 or SDNF file as “Imported Bodies” in SolidWorks that provides speed of import procedure, and creates lighter 3D solid models;
- Automatic joining of split members (finite elements) of CIS/2 analysis model during import to SolidWorks;
- Enhanced support of CIS/2 file, created from SmartPlant 3D (Intergraph Corp.);
- New method of creating structural member – by coordinates;
- Several improvements in graphical user interface and fixes of known issues.

The new BuiltWorks version 4.0 will be available for download through SolidACE web site immediately.

 [Click here to return to Contents](#)

SpaceClaim and Design Simulation Technologies Announce Integration of SpaceClaim Engineer and SimWise 4D

15 January 2013

SpaceClaim and Design Simulation Technologies (DST), developers of integrated 3D dynamic motion and FEA software, announced that SpaceClaim Engineer and SimWise 4D are now integrated so that SpaceClaim geometry and assembly constraints are transferred to SimWise in an associative manner. Once the SpaceClaim model has been transferred to SimWise, users are able to:

- Perform world-class dynamic motion simulation
- Perform FEA analysis on the model using the dynamic motion loads
- Integrate the motion simulation with control systems for co-simulation
- Conduct keyframe animation for sophisticated simulation results review

For additional details and a video showcasing this integration, please visit the [SpaceClaim-SimWise 4D page](#) on the DST website. The integration is available now from DST.

“By interfacing the predictive and smart SpaceClaim 3D direct modeling software with SimWise, our

CIMdata PLM Industry Summary

customers now have the perfect environment for developing products involving moving assemblies of 3D parts,” Jeff Arrigotti, DST sales director. “In addition, our customers will benefit from the straightforward way in which they will be able to edit and repair geometry using SpaceClaim Engineer.”

“SimWise has power and cost effectiveness to make up-front simulation a reality for all products teams no matter the size,” said Rich Moore, SpaceClaim VP of business development. “Using the interface with SpaceClaim Engineer, our joint customers can now ensure simulation is an integral part of the design cycle, resulting in better products and higher profits,” he added.

 [Click here to return to Contents](#)