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Accenture Expands their Business Transformation Capabilities with the Acquisition of PRION: a CIMdata Commentary
8 October 2013

Key takeaways:

- To maximize effectiveness, PLM must be planned and implemented in a manner that transforms the business.

- A business transformation methodology can provide companies a way to address big challenges, where incremental improvements may not be sufficient.

- Accenture’s acquisition of PRION provides a solid base of additional resources that enable end-to-end, broad and deep implementations of Siemens PLM Software solutions.

Accenture and the Acquisition of the PRION Group

Accenture, one of the largest global management consulting firms completed the acquisition of the PRION group on October 1, 2013. This is good news for Accenture’s customers as it adds end-to-end, broad and deep Siemens PLM Software solutions related capability and capacity to Accenture’s global PLM team. CIMdata recognizes Accenture as one of the top tier independent PLM consulting and implementation firms working with some of the largest manufacturing companies in the world.

Accenture has supported clients using major PLM solutions across multiple manufacturing industries in both the discrete and process domains for many years. PRION has been a provider of PLM consulting and solution implementation services focused on solutions from Siemens PLM Software. While PRION is considered a niche or boutique firm when compared to Accenture, they are a large provider within the PLM space. An example of the depth PRION brings is their data migration capabilities. The PRIMA solution is a proven tool for bringing legacy data into Teamcenter environments shortening the time to value for implementations. PRION has mainly operated in Europe and North America, and has been focused on the automotive, industrial equipment, energy, and consumer goods industries.

PLM Programs are Business Transformations
What is a Business Transformation?
The environment that businesses operate in constantly changes due to external factors such as the economy and government regulations, and internal factors like breakthrough technology innovations, or merger and acquisition activities. These require businesses to transform how they operate. Companies have many choices when responding to change ranging from doing nothing different to incrementally or tactically addressing issues and strategically re-architecting to adapt to the changing environment. Incremental changes tend to result in incremental improvements, so if the business faces a major challenge, it should consider going beyond tactical initiatives and strategically re-architect itself to stay competitive.

A business transformation is a major reorganization of how a business operates. It could involve a change in products such as Apple transforming from a computer manufacturer into a cell phone manufacturer or change in manufacturing strategy from vertical integration to an outsourced production model. These transformations are large changes to a business that require significant modifications to the way the business operates.

While a business transformation is easy to understand conceptually, many factors make success difficult, especially in larger, global organizations. Variations in processes and standard practices within and across facilities, global and local culture, as well as technology variations both related to product and process as well as IT can have significant impacts. People, process, and technology issues need to be addressed to ensure success.

What Role Can PLM Play During a Business Transformation?
Leveraging PLM within a business transformation project can enable significant top- and bottom-line business improvements. This is because PLM is a strategic business approach that integrates people, processes, information, and business systems to enable the collaborative creation, use, management, and dissemination of product related intellectual assets. With PLM’s focus on the extended enterprise including customers and the supply chain, the full product and plant lifecycle from concept to end of life can be supported in ways that were previously not possible.

PLM enables support for many high-level objectives within a business transformation initiative. It can support cost reduction by consolidating data, standardizing processes, reducing information search effort and distributing information electronically throughout the extended enterprise. Quality can be improved by ensuring processes are followed and appropriate approvals are captured. Capturing and organizing ideas and concepts and making them searchable can improve innovation. Integrating PLM with enterprise systems like ERP can speed processes like Order-To-Cash and also reduce data entry errors improving quality. Reducing cycle times for product development and related processes to add capacity without capital investment can support growth. PLM can enable many aspects of a business transformation, but it is important to remember that PLM is a strategic business approach not a software application. Software is used to enable the approach and each implementation is different because every business has a unique set of people, processes, technologies, and products.

What is Special about Accenture’s Business Transformation Approach?
Accenture’s business transformation approach aligns with CIMdata’s view on how PLM solutions should be implemented. The approach is not an incremental upgrade or re-implementation of the same old processes on new technology. It aligns people, processes, technologies, and products with the organization’s strategic goals. PLM-supported business transformations result in dramatic, not incremental, gains in business performance.

Accenture’s inclusion of PLM within their business transformation methodology enables them to balance the needs of their customers’ products, business processes, organization, and IT technology infrastructure. To optimize this balance of needs, the four items need to be considered holistically, iteratively, and not in isolation.

Accenture’s management consulting, technology, and outsourcing services allow them to design and implement unique solutions for their customers’ business transformation requirements that achieve each customer’s vision and high-level objectives. They have the appropriate skills and resources to address business transformation implementation programs for the largest, most complex global companies in the world. Accenture has subject matter experts (SMEs) available across all major industries and business functions. The skill sets of the SMEs allows them to develop a comprehensive plan across organizational boundaries that meet high-level business goals. Key aspects of Accenture’s business transformation methodology include program management, value capturing, and change management.

PLM programs need to be thoroughly governed and their complexity requires a strong program management process. Accenture combines comprehensive program management competencies with its deep and broad knowledge of supply chain functions, finance, and enterprise wide system integration. The understanding of the business functional relationships ensures that PLM is properly incorporated and managed in the transformation program.

Accenture’s methodology identifies the benefits from the top-down, aligning them with PLM solution capabilities bottom up. This alignment is used to build the business case identifying the value that can be realized. As the program progresses along the roadmap, measurements are gathered to ensure that benefits and value are captured as planned or an appropriate corrective action is executed.

Change management is a key aspect within a PLM enabled business transformation program. PRION and Accenture share a common view on the impact of change on stakeholders, both recognizing that it must be measured and managed so issues can be addressed. Accenture’s Talent and Organization experts develop stakeholder specific change enablement activities that include continuous communication to improve stakeholder acceptance. PRION’s Training Academy provides training services ensuring that stakeholders understand how to take advantage of the opportunity provided by PLM solution capabilities and the transformed business processes. At CIMdata, two areas that we commonly see as shortchanged in implementations are cultural change management and training. The combination of Talent and Organization experts to address acceptance with the training services from PRION should provide a noticeable improvement in acceptance of the business transformation and adoption of the new way of doing business.
Conclusion

Accenture is focused on helping their clients improve their businesses by using a well-defined business transformation methodology. The process leverages the management consulting, technology, and outsourcing services and the global scale of Accenture. There are only a few system integration firms with this range and depth of capabilities.

Incremental improvements can solve many business problems, but when a strategic change is necessary, a business transformation program may be the best solution. Business transformation is not conceptually complex, but in larger organizations, the variation in geography, processes, organizations, and products quickly add up to very complicated situations. Designing and implementing a business transformation is best done using experienced people and proven services. Accenture has both and much more including a strong methodology and track record as described in their case studies.

The acquisition of PRION expands the breadth and depth of Accenture’s PLM capabilities especially with clients who are implementing solutions from Siemens PLM Software. Accenture now has more than 400 Teamcenter experts. PRION also brings deep domain knowledge of the Engineering, Procurement, and Construction (EPC) industrial segment. CIMdata sees PRION’s skills and technology as key differentiators for Accenture’s PLM practice that will help customers to more quickly realize more benefits from their PLM implementations.

CIMdata is confident that PRION’s deep technical experience with Siemens PLM Software solutions and Accenture’s proven business transformation methodology will reduce implementation risks for their customers and ensure long-term PLM success.

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.

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CIMdata Announces Successful Conclusion of PLM Road Map™ 2013

11 October 2013

CIMdata, Inc., the leading global Product Lifecycle Management (PLM) management consulting and research firm, announces the successful conclusion of its 2013 PLM Road Map on The Evolving PLM Paradigm - Toppling the Status Quo. PLM Road Map is the premier solution provider neutral thought leadership event that covers the broad range of PLM strategies and concepts.

On the second day, the event featured sessions on Systems Engineering and Social Product Development. The event was closed by a thought provoking keynote address from DARPA’s LTC Nathan Wiedenman who presented to a full room on Compressing Development Timetables for Complex Defense Systems: DARPA’s Adaptive Vehicle Make.

Attendance at the event grew by about 15% over the 2012 event to 330 attendees from North America, South America, Asia, and Europe. Sponsorships and booth spaces sold out with over 30 PLM solution and service providers in attendance. The next PLM Road Map will be held in October 2014.

For more information contact CIMdata at info@cimdata.com or at +1 734.668.9922.

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

CIMdata works with both industrial organizations and suppliers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata’s services, visit our website at www.CIMdata.com, follow us on Twitter: http://twitter.com/CIMdataPLMNews, or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA, Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands, Tel: +31 (0) 495.533.666.
CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces the successful start of its 2013 PLM Road Map™ conference in Chicago. The theme of the conference is *The Evolving PLM Paradigm - Toppling the Status Quo*. Attendance grew by about 15% over the 2012 event to 330 attendees. Sponsorship booths totaled 31.

The two-day program features keynote and breakout sessions. CIMdata’s Stan Przybylinski, VP Research, is the PI Congress chair. Highlights of this year’s event are the keynote speakers. The first-day speakers included Adrian Micu, CES Group (PLM as a Key Transformational Tool in Engineering Excellence); and Peter Bilello, CIMdata President (Exploring the Evolving World of Social Product Development); and LTC Nathan Weidenman, DARPA (Compressing Development Timetables for Complex Defense Systems: DARPA’s Adaptive Vehicle Make). These were augmented by four tracks of more detailed discussions by PLM users and panel discussions on Social Product Development & Collaboration, Digital Manufacturing, Systems Engineering, and PLM Integration and Sustainability.

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Company News

**Ideate Inc. Earns Autodesk Construction Specialization**

8 October 2013

Ideate, Inc., an Autodesk gold value added reseller, announced that it has earned the construction specialization designation for value added resellers from Autodesk, Inc.

As an Autodesk specialized partner, Ideate has shown that it provides a high level of expertise, experience and support to customers, has made a significant investment in its people, has a solid business plan specific to its specialization areas, and has customer references. Ideate offices including San Francisco and Sacramento, CA, Portland, OR and Seattle, WA have achieved the construction specialization.

The AEC industry as a whole, and construction within it, are adopting BIM tools. Ideate has been at the forefront of AEC design technology innovation for decades. As a pioneer in BIM and an expert in Autodesk BIM solutions, Ideate has a long-standing history of providing solutions, training, support and custom consulting services to the industry. Earning construction specialization is confirmation that Ideate has been and continues to be ready for the transformation underway in construction.

Construction specialization is only one of many Autodesk partner specializations Ideate has earned. Such Autodesk partner specializations enable Autodesk value added resellers 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, Ideate demonstrates through its strong customer service and support in sales what it means to be a trusted adviser to Autodesk customers.

Bob Palioca, president of Ideate, Inc. says, “We keep abreast of advancing technologies and know where the industry is heading. This specialization underscores our dedication to helping the construction industry in BIM processes and guiding our customers to preferred technology solutions for their respective industries. Autodesk construction specialization affirms the value of our commitment to customers as they leverage new technologies to enhance efficiencies and increase their return on investment.”
Intergraph® Wins Best Plant Design Software Provider at Asian Manufacturing Awards 2013
8 October 2013

Intergraph® was announced as one of the award winners at the Asian Manufacturing Awards 2013 gala dinner and awards ceremony held recently at Pan Pacific Hotel in Singapore. Intergraph was a first-time recipient and won Best Plant Design Software Provider in the Industrial Software category.

Intergraph was honored at the Asian Manufacturing Awards 2013 because of its innovative solutions that span the entire project life cycle, providing integration, automation and interoperability capabilities for large and complex projects. Using Intergraph technology, projects are quickly executed and plants run more effectively and efficiently, while meeting users’ safety, quality and productivity needs. With proven benefits in real-world customer projects, Intergraph has clearly demonstrated its industry-leading position as the world’s top provider of engineering design tools to industrial markets, with market leadership in all four geographic regions including Asia.

“We are very pleased to be awarded Best Plant Design Software Provider at Asian Manufacturing Awards 2013,” said Gerhard Sallinger, Intergraph Process, Power & Marine president. “This recognition validates Intergraph’s firm commitment to research and development, continuously pioneering innovative and intelligent technology to increase our customers’ productivity. We will continue to enhance our engineering solutions with a keen focus on meeting customer requirements, thereby further strengthening our global leadership position.”

SmartPlant® Enterprise offers a powerful portfolio of design and data management solutions, enabling companies in the process, power and marine industries to capture integrated engineering knowledge at the enterprise level for the competitive advantage needed in today’s and tomorrow’s market. SmartPlant Enterprise’s integrated suite of solutions enables proven productivity gains, improving engineering efficiency by up to 30 percent. This is why the majority of plants built worldwide are designed using Intergraph solutions.

Key Promotion Strengthens Altium’s Global Sales Team
8 October 2013

Altium Limited announces the promotion of Martin Harris to Chief Sales Officer (CSO).

Mr. Harris has previously held the role of Senior Executive Vice President, Global Field Operations. As the CSO he is a key member of Altium's Executive Team, leading the global sales management team of Altium.

"With our TASKING compiler technology and our product portfolio around Altium Designer, including
native 3D PCB Design and advanced data management capabilities, we support design engineers globally with industry leading solutions," says Martin Harris. "Our strategy to focus on core competencies, to open up our technology for 3rd party contribution and to expand our channel activities will allow us to foster both our solutions portfolio and our reach into the market."

Altium's flagship product Altium Designer is currently being prepared for the next major release. Called Altium Designer 14, it is expected to be rolled out within the next few weeks. Altium Designer users will benefit from major improvements in Altium's industry-leading 3D capabilities, which will further improve ECAD/MCAD integration and 3D design within Altium Designer itself.

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Lantek Energises its ‘Solutions’ Business Plan by Opening of a New Branch in Holland
7 October 2013

Lantek has just opened a new branch office in Holland, which will cover the needs of more than 600 customers in this country and its neighbours Belgium and Luxembourg. The new branch in Holland brings Lantek’s total number of offices worldwide to 15, bringing high levels of service and support to the countries where they are located.

The new facility further extends the multinational’s ‘Solutions’ business plan, which aims to maximise customer benefits by offering a complete solution for manufacture and administration to the markets it serves. In addition, the Dutch branch will reinforce the company’s distribution channels in the Europe. It is not a coincidence that the EMEA region is one of Lantek's main markets. The Dutch branch joins the 8 branches that the company already has in the European, African and Middle Eastern regions, where it has offices in France, United Kingdom, Poland, Germany, Italy, Spain and Turkey.

“One of our principles is to offer our customers and distributors solutions and complete support for their needs in both human and technological terms. We believe that, using our technology and skills, they can maximise the efficiency of their daily processes and become more competitive. This is the root of our commitment to a global-local strategy in our expansion plan. It allows us to be closer to our markets and react more quickly to changes and new needs”, explains Alberto Martínez, General Manager of Lantek.

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Mechatronics and EE Designers in Brazil Getting Closer to Native 3D PCB Design with Altium
10 October 2013

Altium Limited, a leader in Smart System Design Automation, 3D PCB design (Altium Designer) and embedded software development (TASKING) announces a strategic partnership with Brazil based reseller SKA Group. SKA, is one of Brazil’s largest resellers of Dassault Systems and SolidWorks products. SKA is a leading provider of technology solutions, training, and consulting for product design
and manufacturing companies.

“Seeing the similarities in culture between Altium and SKA was a key motivator in forging this partnership,” notes Scott Anderson, Director Channel Sales Americas for Altium. “Combining SKA’s local knowledge and deep understanding of the engineering process, with Altium’s product range is a natural fit for fostering a better electronics design community in Brazil”.

Effective from September 23, 2013, the partnership has SKA offering Altium’s full suite of products, as well as providing software support, training and integration services to organizations across Brazil.

With more than 23 years experience as a technology and solution provider in Brazil, SKA’s team of over 120 professionals are excited to add Altium to their impressive list of solutions. By hosting webinars, demonstrations, and seminars across Brazil, SKA will showcase how Altium’s unique electronics design products work alongside solutions such as SolidWorks Electrical, Simulation, and Composer. Such a combination provides an efficient and reliable, end to end, product design to manufacturing approach that will continue to push Brazilian technology companies to the forefront.

Built to foster design innovation while reducing time to market, Altium’s products work across the domains of PCB design, FPGA firmware development, embedded software and design data management. As leaders in native 3D PCB design, and smart ECAD data management technologies, Altium’s customers enjoy the benefits of over 25 years of industry know how.

University Students Worldwide Strive to Enhance Products from Wheels to Golf Clubs in Altair International Student Challenge
8 October 2013

Students from universities across the globe will recommend ways to improve the products consumers use every day—from sporting goods to automotive components—as they participate in the Altair International Simulation-Driven Design Challenge over the next four months. They will compete for thousands of dollars in prizes and travel to any of several countries in North America, Europe and Asia. Registration is free and students wishing to compete can learn more and join the competition by visiting www.altairuniversity.com/challenge.

Sponsored by Altair and employing HyperWorks, the competition asks students to re-design or re-engineer an everyday object of their choice to improve its ergonomics, weight, durability, functionality, manufacturability and/or sustainability. They will use HyperWorks simulation tools in seeking to develop designs that are better and more innovative than the original.

"Altair has conducted similar local contests in such regions as India, China and Korea, but this is Altair's
first worldwide competition of this type," said Altair Business Development Director of Academic Markets Dr. Matthias Goelke. "Student winners and all others who have entered locally are eligible for the international challenge, as are students in countries like the U.S., U.K. and Germany where this competition is new. Students anywhere can submit a project they have developed in their classes, in a previous Altair competition or as part of an entirely different course of study. Our objective is ultimately to incorporate this competition into university curricula."

The contest is open to college and university students globally who are at least 18 years old at the time of entry. Applicants may submit entries as individuals or as two-person teams, with an optional mentor. Entries must be received by Jan. 31, 2014 and may be submitted online.

Students are not expected to spend the four months between now and the deadline working on their projects. The redesign may take only a few weeks or a few days; the deadline has been set to allow students ample opportunity to work on projects in their spare time or as part of university coursework.

The winning individual or team will be invited to present their project at an Altair Technology Conference of their choice in the U.S., Europe, India, China, Malaysia, Korea or Japan. Altair will award the student(s) free admission to the conference, airfare, hotel accommodations, and meals. Additionally, each member of the winning team will receive a cash award of $2,000 USD.

Second prize is $2,000 USD, to be divided equally among team members, and third prize is $1,000 USD to be split by the team. Each of the top 20 entrants also will receive an e-book reader from Altair. The top three entries will be published in a special edition of Concept to Reality, Altair's magazine for the engineering community. Entrants retain all rights to their work beyond allowing Altair to publicize their projects.

Students should register at www.altairuniversity.com/challenge-form. The free registration requires a brief summary (up to 250 words) of the intended scope of work. Altair will review the proposed projects and provide accepted entrants with the ability to download the full commercial version of HyperWorks, giving them a three-month license for academic use. Submissions should include the digital design files, a case study summarizing the entrant's work, a tutorial showing the methodology and reasoning used, and an optional video of up to five minutes explaining or demonstrating the project.

Judges will evaluate the projects on a number of criteria, including 1) innovation, creativity, sustainability, social impact and technical relevance of the study; 2) analysis, accuracy and methods in using HyperWorks; 3) case study content; and 4) effectiveness of the tutorial, including an online live presentation to the judges for the top 20 finalists. Winners will be announced on April 11, 2014.

For more information on the competition and to monitor its progress during the entry period, visit the Altair Academic Blog at www.altairuniversity.com.
Zuken appoints Executive Director of SOZO Center
3 October 2013

Zuken has appointed Humair Mandavia as Executive Director of the new Zuken SOZO Center – which has opened in San Jose, Silicon Valley. Mandavia will lead Zuken’s effort to collaborate more closely with customers and the design community to provide more timely and targeted solutions for their increasingly complex product development requirements.

Kazuhiro Kariya, Zuken's Chief Technical Officer, said, “As technology has evolved, the relationship between OEMs and EMS needs to be dynamic. Humair brings both a strong technical background and an understanding of today’s global business environment that will help us meet our goal of combining product development strategy with problem-solving capabilities in true partnership with our customers.”

Zuken’s new Silicon Valley office is part of a broad expansion in North America backed by an investment of $30 to $50 million over the next three years. The office places Zuken close to its customers in the heart of Silicon Valley and enables Zuken to be responsive and aware of issues on the ground in this key technology location and throughout North America.

Mandavia joined Zuken in 2004 and has worked in a range of technical and leadership positions. He works closely with our partner customers and development teams to help deliver solutions to the market. Mandavia holds a degree in Electrical Engineering and an MBA, both from the University of Texas at Dallas.

ZWCAD+ European Forum 2013: Exploring New Value with Customers and Partners
11 October 2013

ZWSOFT successfully hosted the ZWCAD+ European Forum (ZEF) in Germany from Sep. 26 to Sep. 27. This is the first time that ZWSOFT has brought so many partners, developers and customers together to share insights on CAD application development and most importantly, explore product value ZWCAD+ can bring based on customer needs.

ZWCAD+ in Europe
After nearly a decade’s continuous development, ZWCAD has established a powerful channel network throughout Europe. Excellent partners in Europe have had great achievements in their CAD business and services for local users. Developers from industries including architecture, civil, rendering and more have come to join the big ZWCAD family, offering abundant useful design solutions based on ZWCAD+ to design professionals. This time at ZEF 2013, both partners and developers were present to
share experience in the application of different industrial solutions, making ZEF a top communication platform for great minds in Europe.

ZWSOFT also invited the major European customers to join this event. It took this opportunity to exchange ideas about the industrial trends and listen to the product requirements at the end-user level. These valuable feedbacks will help direct the final functionality of ZWCAD+, making it better in line with a variety of customers’ design needs.

**Delivering Brand New Value with ZWCAD+ 2014**

The new value of ZWCAD+ 2014 has been thrown the most spotlight on during the event. Daniel Huang, Product Manager of ZWCAD+, gave a thorough review of ZWCAD+ 2014’s new value to users including its full API compatibility. Key features such as the DWG 2013 support, Dynamic Block and SmartVoice have gained favorable responses from the attendees. This latest version of ZWCAD+ not only fulfills the needs of design professionals in drafting, modeling and drawing, but lays foundation for a more vigorous developer network, where partners, developers and ZWSOFT can leverage its strength to enable more useful design applications to be easily ported or developed and more users to get access to them.

**Well-rounded API Support and Vigorous Developer Network**

With the debut of ZWCAD+ 2014, ZRX, LISP, VBA, ZDS and .NET are all available, presenting well-rounded APIs that cover most application requirements. So far more than 100 applications have been successfully ported to ZWCAD+, covering fields including architecture, civil, mechanics, sheet metal, rendering and many more.

The ZWCAD+ Developer Network (ZDN), an integrated platform offering diverse resources for all ZWCAD developers, was also highlighted at ZEF 2013. Through this network, developers can get technical resources conveniently while promoting their industrial applications to ZWSOFT’s growing customer base.

“The purpose of ZDN is to build up a professional network to provide applications and services for all the ZWCAD developers,” said Kingdom Lin, General Manager of ZWCAD+ Overseas Business. “By giving a simpler and more intuitive way to interact with ZWCAD, we hope our partnership can become closer and more beneficial.”

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**Events News**

*AVEVA Announces Speakers and Sponsors for AVEVA World Summit 2013*

10 October 2013

AVEVA today announced additional speaker, sponsor and agenda details for this year’s AVEVA World Summit. This global event is being held from 30 October – 1 November in Boston, Massachusetts, USA where author Dan Roam will stimulate delegates’ imagination in an engaging keynote session. Based on
his bestselling book ‘The Back of the Napkin’, Dan will explore how visual thinking can be used to improve business communication. This will be followed by the launch of several exciting new AVEVA products, technology insights and previews by senior AVEVA managers, and presentations by AVEVA customers describing their achievements with technology in the process plant, power and marine industries.

Responding to positive delegate feedback following last year’s successful event, AVEVA has evolved the Summit format to include focused, highly relevant agendas for the specific interests of plant Owner Operators (OOs), engineering contractors (EPCs) and shipbuilders. These agendas will explore asset efficiency, project optimisation and integrated shipbuilding strategies with topics that include: Engineering & Design for Lean Construction, Integrated Project Execution, Laser Scanning for Efficient Operations and Revamp, Maximising Information Value, Streamlining Handover, and Vessel Lifecycle Management.

Customer speakers will present practical aspects of the key Summit topics, sharing their technology and business experience on a wide variety of projects and asset operations from around the world. This year’s event features customer speakers from ADMA OPCO, BHEL, DSME, EDC, KOSPO, Lengiproneftehim, MAN Diesel & Turbo, Mitsui Engineering & Shipbuilding, MILPO, Pacific Rubiales, Promon, Sembawang Shipyard, Siemens, Sinopec, SPK ERA Sdn Bhd, Sredne-Nevsky, Statoil, Suncor, Technip, and WorleyParsons.

Microsoft is a principal sponsor of the Summit and will showcase a wide range of Windows 8.1 tablets and touch-enabled devices for enterprise applications. AVEVA has been working in partnership with Microsoft to develop mobile applications that enhance the engineering and design process throughout the lifecycle of a project and the operation of an asset.

“We have a very strong agenda for the 2013 Summit with an impressive list of customer speakers eager to share their experiences”, explained Mat Truche-Gordon, Executive Vice-President – Business Strategy and Marketing, AVEVA. “From my perspective, this is what makes the Summit such a successful event. With the help of our customers we have created an environment in which we can learn from each other. The complexity of projects and assets is steadily increasing and engineering must operate across multiple disciplines, companies and geographies. The Summit has established itself as a place for decision makers to meet and discuss how technology can support them in meeting the challenges of the industries we serve. With the strong support of our customers and sponsors, I am looking forward to a very productive Summit in Boston!”

The AVEVA World Summit will deliver an insightful, focused programme for mid-level and senior management, project managers and decision makers and also includes a number of social activities for industry networking. For more information visit the website at www.avevaworld.com or click here for more information on the agendas.
BobCAD-CAM to Show New V26 CAD-CAM Software at Westec 2013
9 October 2013

BobCAD-CAM, Inc. will be attending this years annual Westec Manufacturing Exhibition in Los Angeles California on October 15, 16 and 17th at Booth #2632 to show their newest CAD-CAM Software for CNC programming and machining. BobCAD-CAM has just released their new core Version 26 CAD-CAM software for Milling and Turning that host a variety of new functionality to enhance machining capabilities and demonstrate how CAD-CAM technology can be used for 2, 3, 4 & 5 Axis part-making.

Among the CAD-CAM programming software features that visitors can see in action is a new, unique concept in CAM technology called Dynamic Machining Strategies™. DMS™ functionality allows CNC programmers the ability to apply any number of machining operations to a single CAD model feature, as well as allows on-the-fly editing of these operations. The result saves time, since users do not need to re-pick geometry over and over again to apply machining features to operations. All DMS operations are wizard-driven to increase efficiency and remove programming guesswork while giving users high quality toolpaths for CAM. This ability cannot be found anywhere else in the CAM industry. Their all new CAD-CAM software for CNC Lathe also features the DMS functionality and all new machining wizards among the large variety of new programming features.

For those CNC shops that are interested in 5 Axis CNC machining technology, BobCAD-CAM will be demonstrating their new multi-axis CNC software along with the first ever High Speed Adaptive Roughing strategy for simultaneous 5 Axis. Other CAD-CAM products that will be shown is their Artistic CAD-CAM and Nesting – Sheet Optimizing products that are add-ons to the core BobCAD-CAM CNC Software. Capabilities include turning pictures and art into relief models for machining and part nesting technology for making the most of a sheet of material.

Business Software, ERP-PLM Event for the Industry
10 October 2013

On november 5, 10:00-18:00 – Van der Valk Hotel in Eindhoven (Netherlands). Details and Registration: www.business-software-event.nl

This annual ERP-PLM event is intended for managers from the industry. The Congress with Tabletop Exhibition offers you an inspiring, informative and interactive program. You get new insights and answers to business software as a strategic instrument. Here you will met more than 250 experts!

The topics:
- Process improvement & supply chain integration
CIMdata PLM Industry Summary

- ERP, PDM/PLM, BI, CRM, PCF, SCF, MES, CAD, CAM etc.
- Trends: cloud, dashboards, mobility and business app’s
- Vendor selection, implementation, integration and optimization

Make sure you are there! Because:

- All about ERP, PLM/PDM, BI, CRM, SCF, PCF
- 12 independent lectures & roundtables (discussions)
- Exhibition with 45 specialist companies
- Compact & effective
- For managers, by managers

Date: 5 November 2013
Location: Van der Valk Hotel, Eindhoven
Cost: 45 euro p.p excl. VAT. (Registration Required)
Details and Registration: www.business-software-event.nl

Carestream Health, Schrader Electronics, T-Systems and more to present at Aras ACE 2013 Europe October 29 & 30
8 October 2013

Aras® today announced the corporate speakers at ACE 2013 Europe which takes place October 29 and 30 at the Ramada Bad Soden Hotel in Bad Soden, Germany. Details and Registration at http://www.aras.com/ACE2013EUROPE

The theme of ACE 2013 is “Do More” which emphasizes the many things Aras is doing so that global businesses can Do More with PLM. Advancements include more solutions, applications and capabilities on a more scalable, secure and open platform to support more collaboration, integration and communication. Attendees will see and learn how leading global companies have transformed their businesses and talk with peers who are working on PLM with Aras to drive results.

User Presentations and Discussions by:
- Carestream Health
- Schrader Electronics
- Saab
- Alessi
- T-Systems
- Breton S.p.A.
ACE 2013 Europe offers business and technology professionals the opportunity to meet and learn about next generation product lifecycle management and collaborate on PLM best practices for dealing with complexity challenges from global product development and systems engineering to enterprise quality and supply chain management. Attendees will see and learn how leading global companies have transformed their businesses and talk with peers who are working on PLM with Aras to drive results.

ACE 2013 Europe Presentation Topics include:

- Future of PLM
- Aras Product Strategy and Roadmap
- Enterprise Change Management
- Secure Social in the Enterprise
- 3D PDF and Visual Collaboration
- Requirements Management for Systems Engineering
- PLM for Electronics and High Tech Industries
- And much more

**ACE 2013 Europe**

**Date:** October 29 & 30, 2013  
**Location:** Ramada Hotel Bad Soden (near Frankfurt, Germany)  
**Cost:** Free to Attend - No Fee (Space is Limited - Registration Required)  
**Details and Registration:** [http://www.aras.com/ACE2013EUROPE](http://www.aras.com/ACE2013EUROPE)  

ACE 2013 Europe is an English Language Program

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**SPRING Technologies to present latest NC EXPERIENCE® Developments at ENACC PLM Conference**  
7 October 2013

On October 17, at the ENACC PLM Conference to be held at ENACC campus, Saint-Hubert, Quebec ([www.enacc.ca](http://www.enacc.ca)), SPRING Technologies will explain how its technological leadership is transforming the way stakeholders in the manufacturing process interact with CNC Machines, and fully addresses the demands of the “smart manufacturing” environment.

This one-day conference mainly targets professional and academic CATIA users keen to learn more about the developments impacting their CAD/CAM environment.
The morning session will include keynote presentations by Francis Bernard, Co-Founder of DASSAULT SYSTEMES and François Bouffard, DS-Canada Industry Affairs Director.

Break-out/workshop sessions will then follow, focusing on a range of topics related to manufacturing, Knowledge Management, PLM/Data Management, V6 Architecture, Model Based Definition and more. For the full list of speakers, please click here.

SPRING’s Executive, Philippe Solignac, will show how NCSIMUL SOLUTIONS’ users seamlessly integrate the creation of cutting tool libraries, optimized cutting conditions and NC program simulation, plus the ability to publish the manufacturing data needed by operators in the workshop, while monitoring CNC machine activity in real-time.

North American users will also be invited to attend a WYSIWIC® - What You See Is What You Cut – showcase. This is the latest NC breakthrough demonstrated at the mid-September EMO 2013 trade-show. This mobile cutting-edge technology, implemented on a fully-rugged professional tablet (Panasonic’s Toughpad), provides real-time synchronization between the CNC simulation (G-Code based), the work instruction sheet - both provided by NCSIMUL Machine - and the NC program, running on a CNC machine (FANUC Robodrill 5-Axis machine).

NC operators can therefore automatically access work instruction sheets in the machining environment while the real machine operations are being displayed, eliminating the need to download documentation as a separate task and helping NC operators to gain confidence as they work.

“In most workshops, a shortage of computers close to the CNC machines, and IT hardware that is too often obsolete, prevent access to the state-of-the-art technologies that deliver game-changing productivity gains. We are now in position to offer a seamless and mobile link between the CNC virtual and real machine world, a new user experience embedding the latest technologies that deliver unrivalled productivity and quality gains.” said Philippe Solignac, Corporate Marketing Director.

Surfcam has unveiled its first major software release to the German market, since becoming part of the Vero Group earlier this year.

Visitors to Surfcam’s booth at the EMO exhibition in Germany saw SURFCAM 2014 R1, which includes Adaptive Roughing technology as well as multiple enhancements designed to deliver additional ease of use and control in masking, chaining, operations manager and layering functionality.
Also, users now have complete control over their licensing, with the new internet-based customer portal. Updated and additional CAD translators, post processors and editNC are also included in the release at no additional cost.

The booth was jointly hosted by Surfcam and their German reseller, 3D Concepts. Erwin Eggert, from 3D Concepts, says: “EMO was a great introduction to Surfcam in the German market, and there was extremely positive feedback from customers on 2014 R1, which is being released later this month.”

SURFCAM to Show Latest Release at South-Tec
10 October 2013

South-Tec 2013 is where manufacturing suppliers, distributors, and equipment builders from across North America come to streamline their manufacturing business. This perfect fit provides Vero Software, booth #305, with the opportunity to allow attendees to preview the newest SURFCAM release – SURFCAM 2014 R1. South-Tec 2013 is held at the TD Convention Center, Greenville, SC, Oct. 29 - 31, 2013.

CAMCAD Technologies Inc., SURFCAM’s award-winning, Central Florida-based reseller will be on hand to provide attendees with the answers they have in regards to solving their manufacturing problems.

“We look forward to showing our existing customers, and future customers, SURFCAM 2014 R1 at South-Tec 2013. Vero’s acquisition of the SURFCAM product has proven to be a very good thing for the product, the resellers, and ultimately our loyal customers. The proof is in the new sales and the large number of existing customers getting back on maintenance so they can experience increased productivity and profits with the NEW SURFCAM,” says Alison Wildblood, CEO, CAMCAD Technologies.

SURFCAM is a powerful 3D CAM solution that achieves the balance between feature sets and ease of use. The new version includes Adaptive Roughing technology as well as multiple enhancements designed to deliver additional ease of use and control in Masking, Chaining, Operations Manager and Layering functionality. Also, updated and additional CAD translators, postprocessors, and EditNC are also included in the release at no additional cost to the customer.

The latest release provides users complete control over their licensing via the web, with the new SURFCAM Customer Portal. Updated and additional CAD translators, postprocessors, and editNC are also included in the release at no additional cost to customers.
SURFCAM Inc. will be introducing its new, cost effective, 3D modelling solution, Part Modeler. A tool specifically designed for quick and simple construction and modification of solid models with fully associative drafting capabilities.

SURFCAM continues to be an affordable and competitive solution for 2D and 3D modelling, and features easy to use CNC programming for 2-, 3-, 4-, and 5-axis machining. SURFCAM products have been installed on more than 26,000 systems worldwide during the past 25 years. In that time, SURFCAM has grown to support 15 languages and has gained an outstanding reputation for training and providing the highest level of technical support to its customer base.

According to Don McKillop, President and Founder of CAMCAD, “Like any merger or acquisition, change is inevitable - sometimes good and sometimes not. The Vero-Surfcam merger has been an excellent one. We are encouraged by the new Vero Internet-based infrastructure tools being implemented to streamline product development, order processing, license management, and bi-directional reseller/end-user communication – ultimately a win for Vero, Surfcam, End-users, and resellers like CAMCAD.”

SURFCAM – Booth #305

Financial News

*Cadence to Announce Third Quarter 2013 Financial Results*

4 October 2013

**WHO:**
Cadence Design Systems, Inc. to announce third quarter 2013 financial results via webcast.

**WHAT:**
You are invited to attend the third quarter 2013 financial results audio webcast. Participating on the webcast will be Lip-Bu Tan, president and chief executive officer, and Geoff Ribar, senior vice president and chief financial officer.

**WHEN:**
The webcast will begin Wednesday, Oct. 23, 2013 at 2 p.m. (Pacific)/5 p.m. (Eastern). An archive of the webcast will be available from 5 p.m. (Pacific) Oct. 23 until 5 p.m. (Pacific) Nov. 6.

**WHERE:**
The webcast will be available online at: [www.cadence.com/cadence/investor_relations](http://www.cadence.com/cadence/investor_relations)
EMC to Announce Third-Quarter 2013 Financial Results
9 October 2013

EMC Corporation will publish its third-quarter 2013 financial results on October 22, 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 October 22, 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 October 22, 2013 to review third-quarter 2013 financial results. A live webcast of the conference call will be available at the EMC Investor Relations website at http://www.emc.com/ir.

OpenText to Report First Quarter Fiscal Year 2014 Financial Results
8 October 2013

Open Text™ Corporation today announced that financial results for its first quarter fiscal year 2014 will be released on Wednesday, October 30, 2013 at approximately 4:00 p.m. ET.

Teleconference Call
Mark J. Barrenechea, OpenText CEO and Paul McFeeters, OpenText CFO will host a conference call on October 30, 2013 at 5:00 p.m. ET to discuss the company's financial results.

Date: Wednesday, October 30, 2013
Time: 5:00 p.m. ET/2:00 p.m. PT
Length: 60 minutes
Where: 416-644-3416 (international)
800-814-4860 (toll-free)

Investors should dial in approximately 10 minutes before the teleconference is scheduled to begin. A replay of the call will be available beginning October 30, 2013 at 7:00 p.m. ET through 11:59 p.m. on November 6, 2013 and can be accessed by dialing 416-640-1917 (international) or 877-289-8525 (toll-free) and using passcode 4643777 followed by the number sign.

For more information or to listen to the call via web cast, please use the following link: http://www.opentext.com/2/investors/ir-events.htm.
TXT e-solutions: Revenues + 14% and Growing Orders in the first 9 Months 2013
9 October 2013

In the first 9 months of 2013 TXT e-solutions, global software vendor focusing on large Customers in Retail, Luxury Goods and Fashion, has recorded revenues in excess of € 39 million, with about 14% growth versus 2012. International revenues account for more than 50% of the total. Revenues from planning software for Retail, Luxury Goods and Fashion companies grew 23% year on year.

Total orders in the first 9 months of 2013 were in excess of € 42 million, growing at a higher rate than revenues, due to strong new orders in 3° quarter for software Perform by important customers in North America – Thirty-One Gifts (USA), Holt Renfrew (CAN) and Samsonite (USA) and in Europe – Sephora (F) and Delsey (F). New contracts in Q3 follow those already signed in 2013 with leading companies in the Luxury Goods and Retail sectors - Celine (F), Tesco (UK), Bestsellers (DK), Lavazza (I), Miroglio (I), Devenlay-Lacoste (F), Valeo (D), Ad van Geloven (NL), FatFace (UK), Modells’ (USA).

Net Financial Position, positive at € 3,2 million at the end of 2012, further improved due to operating cash flow in the first 9 months 2013, after paying € 2 million in dividends.

They forecast a growth of EBITDA in Q3 2013, compared to the same quarter of last year.

The Board of Directors will meet on September 6th to approve the results of Q3 2013.

TXT share price has grown by about 110% during 2013.

“The long term focus of our International development plan is on Luxury, Fashion and Specialized Retail in Europe and North America – Mr. Alvise Braga Illa, TXT’s Chairman, has stated. In the short term the Company is reacting well to the current negative economic scenario in our target markets, particularly uncertain in USA”.

Implementation Investments

Blue Sky Solar Car Team Speeds Solar Race Car from Concept to Starting Line with Dassault Systèmes’ 3D Technology
8 October 2013

Dassault Systèmes today announced that the University of Toronto’s Blue Sky Solar Car team has
leveraged the 3DEXPERIENCE platform to develop and manufacture the B-7, a state-of-the-art, solar-electric racing vehicle, in just 13 months. Dassault Systèmes’ applications helped the team improve workflow and agility, and significantly reduce development and production time in designing its seventh-generation vehicle. Blue Solar Sky is now competing in the eight-day World Solar Challenge (WSC) 2013 race across Australia, which ends on October 13th.

The WSC is the world’s largest solar vehicle event. This year’s event consists of 42 teams from 24 countries racing over a 3,021 kilometer (1,877 mile) course. According to the event’s director the race “seeks to inspire some of the brightest young people on the planet address the imperatives of sustainable transport.”

Typical design-build cycles for past races have taken four years, but much like demand for new innovations in the global auto industry, teams must compress their work into a fraction of that time while delivering a final product that is increasingly more complex and sophisticated. The Blue Sky Solar Car team had just over a year to meet the challenge of building one of the world’s most efficient and fast solar vehicles. The team, consisting of 50 UT students with a range of backgrounds and abilities, met that challenge by deploying Dassault Systèmes’ 3DEXPERIENCE platform to collaborate efficiently and visualize design performance.

“The World Solar Challenge is an opportunity for tomorrow’s engineers to prepare for meeting the global challenges of sustainable energy-efficient transportation,” said Bruno Latchague, Executive Vice President, Managing Director, North America, Dassault Systèmes. “The Blue Sky Solar Car team has been able to move from a concept to a race in about a year with the 3DEXPERIENCE platform. This is a small-scale example of the value the platform provides automotive OEMs to innovate and accelerate their design cycles to embrace the future.”

Dassault Systèmes’ design and realistic simulation applications allowed the Blue Sky Solar Car team to work on all their car’s systems under one interface – including mechanical, electrical and aerobody – from the first concept all the way through to manufacturing. The team deployed DELMIA’s Human Builder and virtual manikin applications in order to visualize ergonomics and driver comfort, and even identify and remedy flawed calculations in the design phase. SIMULIA’s advanced simulation technology aided in further validating the design intent – an analysis that had previously been done using only rudimentary hand calculations.

”This was the first generation car on which we used the Dassault Systèmes’ 3DEXPERIENCE platform. Not only did it help us collaborate better and improve work flow tremendously, it was critical to us being able to design and deliver the vehicle so quickly,” said Paul Park, Managing Director of the University of Toronto Blue Sky Solar Car team. “CATIA allowed us to fully integrate the systems in the vehicle and gave us the flexibility to design a world-class aero body while SIMULIA highlighted potential problems early in the design process and helped us avoid over-design.”

More information on daily race results can be found here World Solar Challenge Map.

Companies can learn more about the 3DEXPERIENCE platform, the business experience platform of Dassault Systèmes at the 3DEXPERIENCE Customer FORUM – North America. This year’s forum will be held November 12 – 13 at the Aria Resort & Casino in Las Vegas, Nevada. Companies will
learn how to power their business through innovative solutions connecting designers, engineers, marketing managers and even consumers, in a new ‘social enterprise’. For more information on the forum click here.

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Centroprojekt Adopts AVEVA Solutions for Power and Pulp & Paper Projects
8 October 2013

AVEVA announced today that Centroprojekt, an engineering company specialising in water, air and solid waste treatment solutions, has selected AVEVA PDMS software for basic engineering and detailed design on major projects including a large pulp & paper plant, and a thermal power station. AVEVA technology is widely used by the power industry around the world, but this is the first time that it has been used on a Brazilian power project. Centroprojekt attributes its choice to the flexible customisation and powerful modelling capabilities offered by AVEVA software.

"One of the main advantages of AVEVA PDMS is the ability it gives us to customise the 3D models so precisely that we can create very accurate virtual reality scenarios to optimise our design," said Jean Carlos Pontel, engineering manager of Centroprojekt, “This helps us to eliminate potential conflicts between the different engineering disciplines, reducing rework in the later stages of the project. AVEVA PDMS also helps us to allocate our resources in a more effective and economical way.”

Centroprojekt first used AVEVA PDMS for detailed design in the construction of Brazil’s largest pulp & paper plants. To gain maximum benefit from the new technology, a series of training sessions were held in collaboration with technical staff. “We have seen a big gain in our overall productivity,” added Mr Pontel. “The software is a knowledge multiplier, enabling our professionals to reuse their experience and project databases on future projects.”

Centroprojekt’s use of AVEVA PDMS on the pulp & paper plant project means it has reached the construction stage without encountering any problems. Deliverables for the power plant and demineralization station have also been completed, including detailed designs for the instrumentation, piping and electrical disciplines. The entire FEED process was completed within just three months using AVEVA PDMS.

"We used our previous experience of PDMS within Oil & Gas along with the catalogue database for components and material specifications from another project. The ease of data export/import to other project participants was also a major advantage, minimising the risk of errors and increasing productivity. We have been very successful and have managed to easily overcome all the challenges we have faced”, said Mr. Pontel.

“The work done by Centroprojekt is an excellent example of well-executed AVEVA PDMS projects,”
Santiago Pena, Senior Vice-President, Latin America, AVEVA. “It demonstrates the scope and versatility of 3D design customisation, not only in identifying project inconsistencies but also by simulating actual operations of a plant. Centroprojekt has been able to use the full potential of the tool and to achieve a very high level of efficiency from its Integrated Engineering & Design capabilities.”

AVEVA PDMS is the most widely used software in Brazil for 3D modelling of industrial projects, particularly within the oil & gas sector. It is also used in Brazil by the country’s growing energy, pulp & paper and mining industries.

Clover Canyon Selects Cloud-Based FashionManager PLM/ERP

RLM Apparel Software Systems Inc. (http://www.ronlynn.com) announces that designer women’s fashion brand Clover Canyon is planning to implement the FashionManager™ all-in-one software solution at its Los Angeles headquarters. Globally recognized for its vivid prints and streamlined silhouettes, the fast-growing company will replace its current mix of general business and packaged software tools with the integrated product development, manufacturing, order fulfillment, and financial management solution. By significantly expanding system capabilities and streamlining operations onto a single, industry-focused platform, Clover Canyon expects to gain greater process visibility and improve efficiency and execution across the entire business.

According to Clover Canyon CEO John Parros, “To support our rapid growth, we needed more robust and sophisticated systems. In FashionManager, we found an all-inclusive solution provides us with all the tools needed to manage all of our development, fabric inventory, cutting, sewing, and global distribution. It will enable us to more effectively manage and execute the entire flow of our business. RLM’s deep experience and proven track record in the fashion industry was also important to our decision.”

The Product Lifecycle Management (PLM) capabilities of FashionManager will help the large creative design staff at Clover Canyon manage print design, product specifications, and development timelines. Enterprise Resource Planning (ERP) functionality will be used to manage the flow of raw materials, orders, and finished goods through in-house cutting, contract sewing, and back to owned and operated warehousing where orders are scanned, packed, and labeled for distribution to more than 400 stores worldwide. Integrated Electronic Data Interchange (EDI) tools will enable Clover Canyon to improve service and ensure compliance with retail partners by automating the generation and flow of key communications such as Advance Shipping Notices and Customer Invoices. A fully integrated Financial Management System (FMS) will provide Clover Canyon executives and managers with greater visibility and control over every aspect of the business.

“We are pleased with the opportunity to work with Clover Canyon,” noted RLM Vice President and Partner Andy Lynn. “FashionManager was designed to help companies manage their operations with a single system. Its benefits are multiplied for fast growing companies like Clover Canyon as leveraging a
common platform across the entire business quickly empowers the visibility, control, and efficiency needed to support rapid growth without requiring additional resources.”

GETRAG FORD Transmissions Drives Innovation and Transforms Processes with Aras Global PLM Platform
9 October 2013

Aras® today released a new paper chronicling GETRAG FORD Transmissions’ (GFT) selection, implementation and success with Aras as their global PLM platform. Headquartered in Cologne, Germany, GFT has replaced costly and inefficient legacy systems, streamlined and standardized processes, improved cross-functional communication – internally and with suppliers and partners, and achieved greater product quality and timelier product launches since implementing Aras.

“The Aras platform is used not just to automate, but to develop new business processes at GFT,” said Rolf Huesemann, PLM Project Manager at GETRAG. “As a result, our company can react much more rapidly to customer demands and market conditions than in the past. The upshot is that because of Aras our business has gained flexibility, speed and efficiency.”

GFT with Aras:
- CAD Data Management for CATIA V5 and Pro/ENGINEER
- Document Management of 4,500 Drawings and 20,000 Files
- Integrated Application Lifecycle Management (ALM) for Software & Firmware
- Product Development Budget Planning Process
- Enterprise-wide CAPA Process with 8D
- Prototype Approval Process

GFT was formed in 2001 as a joint venture between GETRAG and Ford of Europe. GETRAG specializes in the development and production of transmissions and is the largest independent supplier of passenger car transmissions worldwide. GETRAG has development production facilities across Europe and employs 13,000 people worldwide with annual revenues of 1.33 billion Euros. The company ships more than 3.4 million transmissions per year and is an integral supplier to all the world’s major automotive original equipment manufacturers (OEMs). For more information please visit http://www.getrag.de
Hampshire Group Chooses Centric Software Product Lifecycle Management
9 October 2013

Hampshire Group, Limited, a leading provider of sportswear, has selected Centric Software, Inc., to provide its product lifecycle management (PLM) solution.

Hampshire Group specializes in designing and marketing men’s sportswear to department stores, chain stores and mass-market retailers under licensed brands, its own proprietary brands and the private labels of its customers. The company’s brands include Aeropostale®, Dockers® and Panama Jack®.

According to David Price, Hampshire Group’s senior vice president of operations, the company chose Centric as its PLM provider because of Centric’s configurability, Agile Deployment (SM) implementation approach, dedicated focus on the fashion industry, and innovative leadership in mobile apps for PLM. "Centric provided an integrated solution that will work for all of Hampshire Group’s internal and external users, including the Honduran manufacturing facility," he explains.

In addition, Centric offered a team that understood the specific needs of the apparel industry and of Hampshire Group, says Price. The Centric 8 PLM software will provide Hampshire Group "one source of truth" and more accurate reporting, while eliminating extensive spreadsheet use and duplication of efforts. "Simply put, Centric understands how to address the financial and organizational challenges unique to the industry," states Price.

The Centric 8 PLM solution will provide a consistent product development environment for Hampshire Group while costing far less than alternatives that required multiple applications and systems, says Price. The merchandising, design, technical design, production, materials management, sourcing, quality, marketing, sales and executive teams at Hampshire Group all will use Centric 8.

The Hampshire Group will use Centric’s 8 Collection Book for iPad app to provide a direct, up-to-date, accurate link between the sales team and product development. "Using the Collection Book for iPad App will fulfill a key strategic goal at Hampshire Group," says Michael Parker, the company’s vice president of sales. "With the Collection Book app, sales reps will present highly targeted and relevant collections to customers, resulting in improved customer service and increased sales."

"The configurable Centric 8 PLM system, designed to meet the needs of the apparel industry, will provide Hampshire Group the enterprise-wide impact the company desires to help grow its business," says Chris Groves, president and CEO of Centric. "Iconic brands such as Aeropostale, Dockers and Panama Jack, paired with Centric 8’s innovative and comprehensive functionality, will enable Hampshire Group to provide strong results going forward."

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ESI Group announces the recent implementation of its Virtual Reality solution IC.IDO at Bausch + Stroebel, a leader in pharmaceutical packaging machinery. This recent deployment illustrates the capability of Virtual Reality to help industrial clients accelerate product development processes. This also demonstrates that Virtual Reality, now widely used by large companies across the automotive and aerospace sectors, can also be successfully implemented within smaller businesses of many industry types, including the pharmaceutical industry.

A midsize business, Bausch + Stroebel serves some of the world’s largest pharmaceutical companies. Bausch & Stroebel aim at delivering packaging machines providing the highest possible standard of precision, while offering the best production rates, and complying with exceptionally demanding industry regulations. They have customized their offer to match often complex customer demand: today, they individually design each machine produced for specific operations, which range from decontamination to cleaning, sterilizing, filling, closing, inspection, and many more.

Looking for solutions to gain efficiency in their engineering processes, Bausch + Stroebel have sought to find an alternative to the wooden full-size prototypes formerly required to assess assembly aspects and reachability for their machines. Today, they have invested in Virtual Reality to enable their engineers to immerse themselves in a 3D environment in which they can interact in real-time with a life-size CAD model. Using IC.IDO, ESI’s, Virtual Reality solution, engineers can simulate assembly & disassembly sequences of their machines, check the reachability of control elements, operate design reviews and predict possible ergonomic issues. Bausch + Stroebel have also identified the potential of Virtual Reality to share current and future models with their clients in an interactive way, so that the risk of misunderstanding can be eliminated as early as possible, and that developments can be comprehended by everyone - not just the technical staff. According to a recent survey by Bausch + Stroebel, 98% of their clients consider that Virtual Reality is an improvement compared to the previous CAD and wooden mock-ups they used to work from.

“Our IC.IDO Virtual Reality solution allows us to work with our customers to experience and to discuss the projected plants at an early stage. Customer-specific requirements can be tested and determined early, which results in shorter completion times” says Dr. Hagen Gehringer, CEO of Bausch + Stroebel.

By choosing the portable Virtual Reality system IC.Road, Bausch + Stroebel is also able to use this technology to demonstrate their products at trade shows. The system can be set-up in 45 minutes and provides an interactive environment to showcase existing and upcoming machines to potential clients.
Volga NIPITEK Standardises on AVEVA Plant™ Software
7 October 2013

AVEVA announced today that Volga NIPITEK, a Russian engineering contractor (EPC) in the oil & gas and petrochemicals industries, has rapidly gained benefits from its deployment of AVEVA Plant engineering and design software. Following the initial contract signing at the AVEVA World Russia User Meeting in March, Volga NIPITEK experienced positive benefits within only three months by delivering its first project, a 3D model of a short-cycle hydrogen adsorption unit.

Volga NIPITEK acquired a range of products from the AVEVA Plant portfolio, including AVEVA Diagrams™, AVEVA Instrumentation™ and AVEVA PDMS™. Due to a particularly tight project deadline, AVEVA completed the training of the Volga NIPITEK engineers within one month and the software was quickly deployed.

'We see 3D design as the future for Volga NIPITEK,' explained Sergey Lesuhin, General Director, Volga NIPITEK. 'Not only do Owner Operators require a 3D plant model as a standard deliverable on all projects, these detailed models help us to increase our competitiveness when tendering for new contracts. AVEVA software enables us to do this by improving project quality and reducing design time. Making the decision to switch to 3D demonstrates a firm commitment to quality and efficiency for our customers.'

Volga NIPITEK conducted a thorough assessment of the market, evaluating six different engineering software providers before selecting AVEVA. The software was evaluated on various defined criteria, including ease of use, rapid start up and integration with other engineering tools.

'AVEVA’s competence and keenness were also a key reason for our selection,' added Andrey Buhvalov, Head of 3D Design Team, Volga NIPITEK. 'AVEVA provided very effective training courses for our designers and engineers and rapid software implementation. Our team had a very positive experience. Any issues were dealt with quickly, which enabled us to immediately start work on a very complex project and to complete it in record time.'

'This is a great example of how quickly an EPC can realise clear project benefits from our software,' said Evgeny Fedotov, Senior Vice President Russia, India & Middle East, AVEVA. 'Volga NIPITEK’s skill and determination, coupled with the support of the AVEVA team, puts them in a great position to efficiently deliver high-quality deliverables for increasingly complex and sophisticated projects.'

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Product News

Autodesk Revit to Get Free TurboSite Plug-In
8 October 2013

IMSI®/Design launched TurboSite™ Plug-In For Autodesk® Revit®. Using this free plug-in, Revit users can now -- for the first time -- view geolocated video, photos, markup, and text notes taken from the field directly within the Revit application.

TurboSite, an app that turns mobile devices such as Apple's iPad® and iPhone® into a first-of-its-kind field reporting tool, was recently awarded 2013 AIA National Convention's "Best of Show."

With TurboSite, there is no more hauling plans into a building, everything is right on your iPad or iPhone. GPS or SPST™ knows where you're at in your plan. At any spot you can create a geolocated GeoMark™ and, using the built-in camera, take as many photos, videos, dictation, and text notes that you want. Redline a drawing with powerful markup, dimension, and inquiry tools, or have a real-time video conference via FaceTime or Skype from directly in your building plan. Immediately share your report electronically with your entire design and construction team at the touch of a button... or instantly print a customized PDF report and distribute hardcopy. Creating a field report has never been so easy.

With the launch of TurboSite Plug-In For Revit, all Revit users on a project can, for the first time, view correctly geolocated video, photo, markup, and text documentation directly within Revit.

Providing round-trip field report workflow between the job site and home office, free TurboSite Plug-In For Revit cuts up to 80% of the burden of traditional site inspections, completely automating the field reporting process.

For more information about TurboSite, please visit www.TurboApps.com.

CAD-CAM Software Company Releases New Dynamic Machining Strategies
8 October 2013

BobCAD-CAM released their latest v26 CAD-CAM software with a long list of new features to further automate the CNC Machining process. With v26 CAD/CAM software, CNC businesses and programmers can take advantage of a new, unique concept in CAM technology - Dynamic Machining Strategies (TM). DMS functionality allows users to apply any number of machining operations to a single CAD model feature, as well as allows on-the-fly editing of these operations. The result saves
time, since users do not need to re-pick geometry over and over again to apply an operation. All DMS operations are wizard-driven to increase efficiency while giving users high quality toolpaths for CAM. This ability cannot be found anywhere else in the CAM industry for the price.

In the past, machining strategies have been fixed based on the types of operations available. With v26, BobCAD-CAM has moved to support multiple, dynamic operations via DMS on a feature level. A "feature", by definition, is part of the CAD model and pertains to the geometry. When a model is loaded, users may choose any combination of machining operations to machine for one feature. For example, if you want to drill a hole, you may need to use a smaller drill to pre-drill. With v26, there is no need to edit the Tool Pattern to add the pre-drill hole; you simply add another drill operation to the hole "feature". This concept is the heart of DMS.

DMS provides improvement for 3, 4 & 5 axis machining. For example, you may add several finish passes simply by adding more operations to the feature. Operations do not share parameters, allowing independent control over each operation. For example, you can have your finish operations start in a different location than your roughing operations without using multiple features. Ultimately, DMS provides users more flexibility and control in employing machining strategies for each job. DMS is added to both of their core CNC Software products for CNC Milling and CNC Turning.

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CADLearning Releases Autodesk Navisworks 2014 Course for Architecture, Engineering and Construction Professionals
5 October 2013


The self-paced course, offering over 8 hours of training and 142 video tutorials, is taught by Michael Smith. Lessons cover concepts and demonstrations of Autodesk Navisworks software used by architects, engineers and construction professionals.

Lessons include exploring the selection tree, comparing models, using the animator interface, managing objects in animations, creating and managing scripts, applying light effects with presenter, understanding clash test reporting, quantifying model objects, and more.

CADLearning for Autodesk Navisworks includes a variety of lessons showing users the tools for simulating with the timeliner, animator, scripter and presenter. In addition, the tutorials will show the features of the simulate functionality of the software, including how to create tasks, use the animator, understand events and apply effects.
The course was created by Michael N. Smith, a BIM Manager for C.W. Driver, a large general contractor in Southern California. The firm is highly regarded throughout the design and construction industry for implementation of BIM innovations on each project and for creating customized software plug-ins to increase the efficiency of the latest software releases.


_CES Selector 2014 Cuts Time and Effort for Materials Experts and Product Development Teams_

9 October 2013

Granta Design today announced the release of CES Selector™ 2014, a new version of the PC software that enables materials experts and product development teams to find and apply materials property data. This year, an upgraded user interface helps users to find the materials data that they need faster, so that they can plot and compare properties and select the right materials. Enhanced tools for materials replacement and substitution mean that engineers can quickly identify and explore alternatives for an underperforming material, or one that has become obsolete or expensive. New and extended data makes it easier to match materials to applications and improves coverage of plastics, biopolymers, metals, and composites.

The latest version makes navigating, searching, and exploring materials information even more straightforward, whether from the MaterialUniverse(TM) data, which covers the full range of engineering materials in nearly 4000 generic data sheets, or one of the more specialist reference datasets, which provide detailed properties for specific material grades or designations. A new homepage makes it much easier to see what data is available, and to navigate straight to the information that is needed. New tools help engineers to quickly compare one family to another, for example, to answer questions like "why use PBT rather than PET?".

For material substitution, replacement, and equivalency projects, the "Find Similar" Tool introduced last year has been enhanced based on user feedback. It allows materials groups to respond quickly to disruptions in material supply, regulatory issues, increasing costs, or obsolescence, by quickly finding alternative materials with similar property profiles. The latest version allows users to customize and fine tune these calculations.

CES Selector provides a suite of graphical tools and data to support systematic materials selection. These build on the well-known methods developed by Granta founder Professor Mike Ashby at Cambridge University. In 2014, enhanced filtering options make it even quicker to specify design constraints. New treatment of processability also helps engineers to focus on plastics or metals based on processes that are commonly used for their manufacture.
Data on polymers has been significantly enhanced. In particular, the latest version of IDES Plastics and the new CAMPUS and M-Base dataset that contains the full set of data from CAMPUS and the 'Materials Data Center' provides information on over 30,000 polymer and over 600 biopolymer grades. Enhancements to the data structure simplify selection based on the target applications and key features identified by the polymer manufacturers.

There is also updated data on metals and composites, with the latest version of ESDU MMDH (design strength data on aerospace alloys), and Firehole Composites (with datasheets for nearly 400 continuous fiber reinforced polymer systems).

In making today's announcement, Dr. Charlie Bream, Product Manager for CES Selector at Granta Design, was clear that the new release would bring immediate benefits. "By making it easier and quicker than ever before to find and apply the right materials data," he explained, "materials experts and product development teams will not just find it easier to make the right decisions first time, but will be able to rapidly respond to changing design requirements, new regulations that could render current materials obsolete, or supply-chain disruptions."

Delcam CRISPIN Launches New Shoe Costing Software
9 October 2013

Delcam CRISPIN has released a new version of its ShoeCost software for the prediction and management of the cost of footwear manufacture. Since the release of the original ShoeCost package several years ago, the product has become the market-leading footwear-costing solution, being trusted by a wide range of leading global brands. The 2014 version offers a more intuitive interface and integrates more closely with other Delcam CRISPIN CADCAM packages to streamline the design and manufacturing process, whilst still giving manufacturers better control over costs and profitability.

ShoeCost 2014 provides a clear breakdown of all the costs involved in footwear manufacture, making it easy to compare the actual cost of the shoe to the target cost. Costs can be included for cut pattern pieces and components, as well as for labour and overheads. The overall cost for the shoe changes dynamically when the simple drag and drop functionality is used to add or remove elements of the design, such as pattern pieces and components. This makes it easy for footwear professionals to stay within their target cost and to produce accurate costing reports quickly.

A key feature of ShoeCost 2014 is its flexible approach to reporting. Every footwear manufacturer has a unique set of needs when producing costing reports. Delcam CRISPIN has, therefore, made the interface fully customisable, enabling users to choose which tools to display and where to locate them on the screen, so making the software as easy to use as possible.
In addition, users can choose from 38 variables, such as material colour, total nested area, and efficiency of material usage, to include in their reports. Each option can be selected from a menu, and the user can determine how each variable is presented on the screen, making it easier than ever for footwear professionals to produce a costing report that is specific to their business.

The latest updates make nesting for both leather hides and synthetic materials quick and easy. Leather templates included with the software can be used immediately, while, for optimum accuracy, quality zones can be defined within digitised leather hides within just a few minutes. ShoeCost allocates pattern pieces to an appropriate quality zone automatically, and can even utilise spare space in better quality zones if necessary to ensure that the maximum yield is achieved.

Delcam CRISPIN has tested the software extensively to ensure that automatic nesting achieves the most efficient results. However, custom nesting is still possible by allowing users to change the interlocking method dynamically, so ensuring that they maintain full control at all times.

ShoeCost 2014 fully integrates with all other Delcam CRISPIN CADCAM products by saving data into a single file. This means the user is not required to continually import and export multiple formats which takes time and can result in data loss. Instead, all Delcam CRISPIN software uses a single .Shoe file which contains all information about every element of the shoe. Just like other Delcam CRISPIN solutions, ShoeCost 2014 extracts the data it needs from the file for its part of the shoemaking process. Pattern parts can also be imported in the DXF format.

Delcam CRISPIN is the world’s leading supplier of specialist footwear CADCAM software. It is the only provider of an end-to-end 3D solution that covers all elements of the shoemaking process from design through to manufacture. It achieves this with a set of comprehensive, powerful yet easy-to-use tools that require minimal training.

Luxion and Autodesk today announced a partnership expansion between the two companies that establishes KeyShot as an integrated rendering solution for users of Autodesk® Fusion 360 software.

With KeyShot, Fusion 360 users have the ability to quickly create photorealistic 3D renderings, animations and interactive visuals used in communicating concepts, delivering internal presentations, delivering digital prototypes and creating sales or marketing visuals. Using a custom developed plugin and the speed and ease of applying materials and lighting in KeyShot's real-time ray-tracing environment, Fusion 360 users can transfer their models to KeyShot directly from inside the application, make updates in Fusion 360 and see changes immediately within KeyShot. This solution provides a high level of integration between Fusion 360 and KeyShot, saving time and improving the efficiency of
designers, engineers and anyone creating 3D visuals throughout the entire product development process.

**How it works**

Fusion 360 users have fast one-click access to transfer their model from Fusion 360 to KeyShot. In addition, Luxion’s LiveLinking technology allows any changes made in Fusion 360 to be transferred immediately to KeyShot. As soon KeyShot is started from Fusion 360, the two applications are linked. Users may assign materials, add lighting and set up animations inside KeyShot while continuing to refine the model in Fusion 360. A single click passes all geometry changes into KeyShot with all materials, animations, etc. maintained. For more detail and an overview video visit [keyshot.com/fusion360](http://keyshot.com/fusion360).

"I’m loving KeyShot with Fusion. It just seems like they were made for each other." - Stan Hisel, Product Designer and Mechanical Engineer. “I was particularly impressed with the ability to save a KeyShot (*.bip) file, close both programs, open them up later, load the *bip file and continue to work with live linking. Absolutely brilliant.” - Gus Petrikas, 3D Artist.

KeyShot functionality will be available immediately within the latest version of Autodesk Fusion 360 as a plugin available through the [KeyShot website](http://keyshot.com). The cost of the plugin is free. In addition, Autodesk Fusion 360 customers will be able to purchase KeyShot or upgrade to KeyShot Pro, as well as purchase Luxion's patent-pending add-on applications, KeyShot Animation and KeyShotVR through the KeyShot website.

Infinite Skills "SolidWorks - Sheet Metal Tutorial" Provides Specialized Training in the Sheet Metal Module of Popular 3D Design Program

7 October 2013

Software training firm Infinite Skills Inc. this week introduced its "SolidWorks - Sheet Metal Tutorial," a concise set of lessons targeting the sheet metal module in the popular CAD program designed for mechanical engineers.

SolidWorks is a computer aided design program that uses a parametric, feature-based assembly system for building mechanical models. By learning the sheet metal palette, users can begin to produce sheet metal assemblies, creating cuts, patterns, folds, and other actions involved in designing and manufacturing sheet metal products.

Infinite Skills "SolidWorks - Sheet Metal Video Training" equips users with the tools and experience necessary to work effectively and in accordance with industry standard best-practices in the sheet metal module. The course also includes a chapter in preparation for SolidWorks certification for the sheet
metal specialization.

Course author Dean Kerste is a college professor with more than a decade of experience in industrial design and more than twenty years experience as a professor in a mechanical design technology program. Kerste began his career as a draftsman detailing large industrial combustion systems for power generation and transitioning them into natural gas distribution systems. After working as a CAD operator and systems administrator, Kerste began pursuing a career in academics, he holds multiple degrees, including a bachelors in industrial design and a doctorate in high education.

After introducing the basic navigation of the sheet metal palette, Kerste teaches all the tools and techniques for creating sheet metal parts, including starting a base flange, using bend tables, creating cuts and patterns, and many other tools.

From there, the course moves into using the forming tools, converting models to the sheet metal palette, and creating drawings.

The course closes with a chapter devoted to the SolidWorks sheet metal certification exam, providing recommendations for preparation, exam strategies, and a practice exam.

"SolidWorks sheet metal functionality enables you to quickly and cost effectively create sheet metal part designs," Kerste explains. "These tools accelerate the design process, saving time in development cost and increasing productivity."

Free demo videos and a full list of course contents can be found on the SolidWorks - Sheet Metal training page of the InfiniteSkills website:

http://www.infiniteskills.com/training/solidworks-sheet-metal.html

Luxion Releases KeyShot 4.2
10 October 2013

Luxion is pleased to announce the release of KeyShot 4.2 with new features and updates to existing tools that simplify the rendering and animation process.

The focus of KeyShot 4.2 is improvements in the areas of rendering, usability, control, integration and animation while adding more flexibility to the creation of product visuals. With major new features such as LiveLinking, physical lighting, focused caustics and procedural materials introduced within KeyShot 4, KeyShot 4.2 brings faster rendering, better selection and more control over hardware and 3D data import allowing users to work faster and more efficiently with their models inside of KeyShot without
jeopardizing the final quality of their images, animations and KeyShotVR interactive visuals.

**New KeyShot 4.2 Features and Updates**

Many of the updates in KeyShot 4.2 aim directly at improving the user experience of the software and the visual development workflow. Users will find easier ways to organize their imported 3D data, work with KeyShot's scientifically accurate materials presets and color libraries, as well as have greater control over the rendering environment and settings. The majority of updates include improvements to existing features inside KeyShot with some additional new features that deliver enhanced usability for users. Detailed documentation on new features can be found [here](#). Highlighted new features inside KeyShot 4.2 include:

**Groups**

KeyShot 4.2 introduces the ability to create groups in the Project Scene tree. Users may create new groups, drag and drop parts and sub-assemblies into existing groups and move parts between one group and another. The capability includes a full featured dialog that allows users to add one or multiple parts to an existing group or create a new group directly from the realtime render interface.

**Set Core usage**

KeyShot now comes with the ability to set priority on the amount of CPU cores used by KeyShot. Since KeyShot is fully CPU-based and utilizes 100% of all available cores, this ensures users are able to have access to more CPU power in other programs while KeyShot is rendering. This is a simple setting accessed from the KeyShot Preferences with the minimum being four cores.

**Material swap**

Users can now swap materials between selected parts without having to change the material for each part. Users have two options, swapping materials by selecting parts or by dragging and dropping materials from the KeyShot library onto existing materials in the in-project library.

**Scene revisions**

KeyShot now offers the ability to save revisions of a scene. When users save a scene, rather than overwriting each scene with the latest settings, they can now save revisions of the same scene which can then be accessed later from within KeyShot.

**Realtime presets**

There are now more presets available for the realtime viewer. Through the Project settings, users have an immediate selection of preset options that include actual aspect ratios found in print and digital media. These presets are single-click settings that can also be locked to ensure proper resolution.

**Additional updates**

Additional updates focus on improvements in four main areas where users have provided valuable input and feedback, updates that include:

*Improved render features* - faster realtime render mode, transparency for toon material
Improved usability - select objects by material, light/dark interface themes
Improved control - Axalta color tweaker, faster object highlight, improved texture mapping, improved move tool and dynamic sliders, copy HDRI regions and scene tree autoscroll.
Improved animation - New dynamic pivot point and selection of helper objects from the realtime window.
Improved integration - Support for Autodesk Inventor 2014, improved SolidWorks importer and improved Alias import.

Further details on all these new features and detailed documentation on what's new inside KeyShot 4.2 is available for download at http://keyshot.com/whats-new/

New GibbsCAM 5-Axis Porting Option Available
8 October 2013

Gibbs and Associates, developer of GibbsCAM® software for programming CNC machine tools and a Cimatron company, today announced availability of its new 5-Axis Porting option for GibbsCAM. The new software provides a specialized interface optimized for the machining processes and cutting tool motion required to machine tubular openings that change shape and curvature from one end to the other. The Porting option complements GibbsCAM 5-Axis by enabling easier and faster programming of port-like openings through a condensed interface that provides toolpath options and machining strategies optimized for machining such open shapes. Designed to accommodate the motorsports industry, where engine performance is frequently increased by optimizing flow through ports, manifolds and throttle bodies with specialized machining, the 5-Axis Porting option can increase the efficiency of programming and machining any parts with openings that change profile and curvature from end to end.

Features of GibbsCAM 5-Axis Porting Option
The software can automatically detect the spine curve through the port and properly align the toolpath. Using available tool reach, the software can split upper and lower operations automatically by maximum tool reach, midpoint or user selected percent of reach, ensuring proper toolpath blending between upper and lower sections. Machining strategies include roughing, rest roughing, and spiral and plunge (along) finishing. To maintain tool rigidity, 5-Axis Porting maintains 3-axis machining (3 + 2 mode) as far into the port as possible until 5-axis simultaneous motion is required. Tool tilting is automatically calculated for optimal angles, without the need to split surfaces or create tool axis control splines, producing smooth, gouge free 5-axis motion. Users may choose to machine only the top of a port, only the bottom, or both sides, in a single operation.

In addition to ease and speed, the GibbsCAM 5-Axis Porting option generates a cleaner, more efficient toolpath for faster machining and higher quality parts.
Rotomation Selects CADENAS PARTsolutions to Provide Digital 3D Parts Content

9 October 2013

Rotomation has selected CADENAS PARTsolutions to create and support their all-new catalog of online digital 3D part content. A Florida-based manufacturer of pneumatic and low-pressure hydraulic actuators, Rotomation will be introducing their new configurator, capable of generating more than 30 billion unique products, along with a newly designed website in early 2014.

Rotomation manufactures extremely configurable, pneumatic rotary actuators for use in automation systems. All of their products are assembled to order, and special configurations are common. With the new online configurator, Rotomation is looking to reach a broader audience of engineers by offering high quality CAD models in more formats.

“Our products are highly configurable,” says Steve Mandarano, General Manager at Rotomation. “Plus, we work with designers in a variety of industries, who use many different CAD environments. Since we work with such a large cross-section of the engineering community, we need to be able to provide configurable, native content for all, not just a few customers.”

Rotomation is upgrading from a solution which only provided CAD models limited to a few formats.

“We were unsure of the future of our existing configurator platform. We also wanted a more reliable and user friendly configurator interface,” adds Norman Lane, President of Rotomation.

Rotomation is upgrading their online part catalog with CADENAS eCATALOGsolutions technology to provide more than 150 native and neutral CAD and graphic formats including all major design applications such as Dassault Systèmes CATIA®, Siemens NX®, PTC Creo®, SolidWorks®, Autodesk Inventor®, Siemens Solid Edge®, and more.

By offering these native files to their customers, Rotomation will enable designers to increase their design accuracy while saving engineering time. Engineers will no longer need to re-draw Rotomation parts within their design, as they will be able to download and place the component instantly. This process enables designers to specify parts to the BOM (bill of materials) in the design stage, making the job of sourcing components much easier for the purchasing department.

“Rotomation customers will love the added power and flexibility of the CADENAS PARTsolutions interface,” adds Rob Zesch, President and COO of CADENAS PARTsolutions. “Thanks to the new parts catalog and interface, customers will return again and again, pulling new sales through the design process. This will prove to be a significant boost for Rotomation’s marketing program, and their sales team.”

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Siemens PLM Software: Latest Releases of the 3D D-Cubed Components
9 October 2013

Siemens PLM Software announces the immediate availability of Version 47.0 of the 3D D-Cubed software components.

The 3D DCM offers further multi-processor enhancements and a new way to move parts using dimensions or direct user interaction. Improvements to the support tools for the CDM, HLM and AEM have been introduced, and the CDM and AEM have enhanced means of handling tolerant models. The CDM has new collision detection options, and the handling of parametric curves in the HLM is now even more efficient.

Please visit these pages for further details:
- D-Cubed 3D Dimensional Constraint Manager (3D DCM)
- D-Cubed Hidden Line Manager (HLM)
- D-Cubed Collision Detection Manager (CDM)
- D-Cubed Assembly Engineering Manager (AEM)

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