CIMdata

PLM Industry Summary

Jillian Hayes, Editor

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Contents

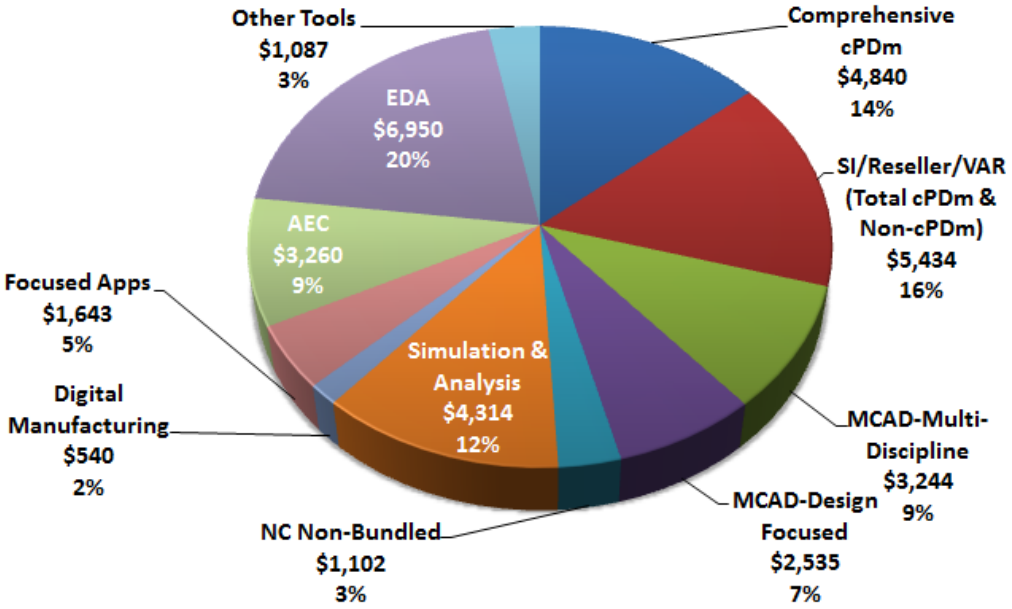
CIMdata, Inc. 3909 Research Park Drive Ann Arbor, Michigan 48108 Tel: +1 (734) 668–9922 Fax: +1 (734) 668–1957
E-mail: j.hayes@CIMdata.com Web: http://www.CIMdata.com

CIMdata News

CIMdata Publishes Executive PLM Market Report

28 May 2014

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces the release of the CIMdata 2014 Executive PLM Market Report. This report provides an executive-level view of CIMdata's comprehensive analysis of the PLM market, with summary charts on the overall market and on specific PLM solution segments (including the chart below). It also includes perspectives on current trends in the PLM industry and how they may affect current suppliers and investments.



PLM Market Sector Sizes in 2013 (US$ Millions)

Based on CIMdata estimates, the PLM market grew 4.8% in 2013 to $35 billion. "The PLM market started strongly in 2013, and then growth tailed off in the second half of the year, replicating the performance of 2012," according to Stan Przybylinski, CIMdata's Vice President of Research, "The

segment growth rates were much lower in 2013 than in recent years. MCAD revenues were mostly flat in both sub-segments that CIMdata tracks. Even simulation and analysis (S&A), the fastest growing segment over the last few years, grew at a slower rate of 7.1%."

This report is the first of five modules of the CIMdata 2014 Market Analysis Report Series to be released. The MAR Series provides detailed information and in-depth analysis on the worldwide PLM market during calendar year 2013. It contains analyses of major trends and issues; revenues of leading PLM providers; and revenue analyses for geographical regions, industry sectors, and historical and projected data on market growth.

The CIMdata PLM Market Analysis Report Series is packaged as five modules:

1. The *CIMdata 2014 Executive PLM Market Report* provides an overview of CIMdata's complete global analysis. It includes key charts on PLM market investment statistics through 2013, forecasts of investments for 2014 through 2018, and a summary of PLM solution providers' performance in 2013.
2. The *CIMdata 2014 PLM Industry Review and Trends Report* is mainly qualitative in nature, and focuses on key issues facing the global PLM ecosystem of solution providers and end user organizations. It highlights changes that occurred in 2013, what effects those changes may have in the short and medium term, and what is on the horizon in the years to come.
3. The *CIMdata 2014 PLM Market and Solution Provider Analysis Report* details measures of and forecasts for the overall PLM market and its key segments, including Tools, cPDm, and Digital Manufacturing. The Tools section has additional details on sub-segments, including MCAD, NC, S&A, EDA, and AEC. It also includes CIMdata's estimates of PLM solution provider revenues in these segments and sub-segments for 2014 through 2018.
4. The *CIMdata 2014 PLM Market Geographic Analysis Report* provides an additional view of the 2013 market results, by major geography. CIMdata's 2013 estimates and market forecasts for 2014 through 2018 for PLM and the major PLM market segments are provided for the Americas, EMEA, and Asia-Pacific. In addition, the report includes estimates and forecasts for the cPDm segment within specific European and Asia-Pacific countries and regions.
5. The *CIMdata 2014 PLM Market Industry Analysis Report* provides an industry segmentation view of the 2013 market results. CIMdata's 2013 estimates and market forecasts for 2014 through 2018 for PLM and cPDm are provided for eight different industry sectors: aerospace and defense; automotive and other transportation; electronics/telecommunications; fabrication and assembly; process-packaged goods; process—petrochemical; utilities; and construction, infrastructure and shipbuilding.

The CIMdata PLM Market Analysis Report Series is available as a five-module set or each module can be purchased separately. It is also available as part of the CIMdata PLM Community Gold Membership. Further details and pricing information about the report and Community Memberships are available at www.cimdata.com.

About CIMdata

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

CIMdata works with both industrial organizations and providers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia Pacific. To learn more about CIMdata's services, visit our website at www.CIMdata.com, 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.

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CIMdata Publishes PLM Trends Market Report

29 May 2014

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces the release of the CIMdata PLM Industry Review and Trends Report, the second of five modules of the CIMdata 2014 Market Analysis Report Series. The MAR Series provides detailed information and in-depth analysis on the worldwide PLM market during 2013. It contains analyses of major trends and issues; revenues of leading PLM providers; and revenue analyses for geographical regions, industry sectors, and historical and projected data on market growth.

The focus of the 2014 Trends report is on the evolution of product development to support "the circular economy," a radically new approach to thinking about most of what we do, build, and use. We have made great strides in design for disassembly, recycling, and reuse of materials from many everyday products. PLM strategies and enabling solutions have played a significant role in the successes to date. But what if we could have zero impact? What if everything we took out of the ground, or created, could be reused and repurposed indefinitely?

Meeting this more stringent need will require new PLM-enabling solutions and services to help companies adapt. Solution and service providers already focused on enabling sustainability may have an edge, but there will certainly be new market entrants. The driving issue centers on how decision-making in product development is changing through the application of technology in a number of ways. Cross-disciplinary collaboration must be better supported to effectively implement systems engineering. Despite the growing sales of S&A solutions, there is still a lot of work to do to "democratize" the technology so that it can be used more widely and earlier in the product development cycle. The emerging area of "Big Data" is showing promise to help users make better informed PLM decisions. Innovative user interfaces are bringing the right data to the right people at the right time. Mobile apps help people make better decisions. Are they doing the same in PLM? Finally, Google Docs is but one example of a solution that does not rely on files, as we know them, with all data stored at an object level. Solution providers in the PLM space are also using this approach. Is this a positive move? This topic, and others, are explored in more depth in this report.

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Industry Experts Join Panel Discussion at CIMdata's Systems Engineering Workshop

27 May 2014

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces that representatives from GM, ANSYS, Autodesk, ESI, IBM Rational, and SBE Vision will come together in a panel discussion at CIMdata's Systems Engineering workshop in Cincinnati on June 24th.

The panel will be moderated by CIMdata's Vice President, Systems Engineering Knowledge Council Lead, John MacKrell. MacKrell will be joined by Craig Brown of General Motors, David Vredenburgh of SBE Vision, Diego Tamburini of Autodesk, Fadi Ben Achour of ESI, Greg Gorman of IBM Rational, and Dr. Todd McDevitt of ANSYS.

The panel members will bring their considerable collective experience to focus on best practices, strategies, and technologies available for dealing with requirements in systems engineering. Topics to be covered include: requirements decomposition and allocation, requirements management and tracking, the current state of Model-Based System Engineering's (MBSE) role in product engineering, and other issues related to MBSE and working with systems-level requirements.

CIMdata's Systems Engineering workshop is a must-attend event for industrial organizations and solution providers involved with systems engineering. It provides independent education and a collaborative networking environment where ideas, trends, experiences, and relationships critical to systems engineering germinate and take root. Attendees should expect to gain a solid understanding of current best practices and of the work that CIMdata's Systems Engineering Knowledge Council is undertaking. For more information visit http://cimdata.com/en/education/knowledge-council-workshops/2014-systems-engineering-workshop-na

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Company News

Agilent Technologies Announces Support for Women in Science, Engineering and Technology in

Korea
29 May 2014

Agilent Technologies Inc. announced a strategic partnership with the Center for Women in Science, Engineering and Technology (WISET), a government organization based in Seoul, South Korea, to help advance women scientists and engineers in that country.

Under the agreement, Agilent and WISET will jointly develop training programs that will be conducted at WISET's academy and Agilent's customer applications and training center in Seoul. The training will be conducted by Agilent experts, using the company's latest analytical instruments, for groups of unemployed women identified by WISET.

"As South Korea continues to invest in research and development, demand will grow for skilled talent across various industries for top-notch scientists, chemists, engineers and technologists," said Dr. Heisook Lee, president of WISET. "Examples of these industries include life sciences, pharmaceutical, environment and chemical. WISET is actively engaging with Agilent, the world's leading provider of analytical instruments used by scientists and engineers in these industries, to help meet our nation's demand for skilled professionals.

"In South Korea we find that women are underrepresented in the fields of science," added Dr. Lee. "Through joint seminars, specialized training and other outreach activities with Agilent, we hope to encourage women who are not working, such as those on a career break, to return to the workforce through science. By 2017, we aim to achieve our goal of delivering more than 200 women scientists and engineers for our country."

"Agilent is a strong proponent and driver for innovation and education," said Agilent's Douglas Janson, regional business director for South Korea and distributor channels in South East Asia, Chemical Analysis Group. "Agilent is proud to be an economic, intellectual and social asset to the communities in every market in which we operate. We are pleased to support the development of the next generation of scientists, chemists, engineers and technologists in South Korea."

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Applied Software® and Tekni Group® Partner to Deliver Integrated Manufacturing Solution
28 May 2014

Applied Software, a service provider of design technology optimization and a Platinum Partner Reseller for Autodesk® design software for architects, engineers, construction owners and manufacturing facilities, partnered up with Tekni Group in aiding design and manufacturing engineers looking to move towards an integrated manufacturing solution.

With expertise in the manufacturing industry, both companies are uniquely positioned to deliver workflow enhancement that improve efficiency across the entire manufacturing process – from concept through production. "Applied Software is extremely excited to have Tekni as our CAM (Computer-Aided Machining) partner. This partnership will allow us to bring the level of expertise not currently available to our Southeastern-based client base," said Mark Wagasky, Vice President of Sales of Applied Software.

Tekni Group's President & CEO, Vern Heyer commented, "We are very excited to have signed Applied Software as a reseller for the Autodesk Integrated CAM products. In their 30 years, they have a built a solid and stellar reputation, both in the Autodesk community and with their 5000 clients. In addition, Applied's President, Richard Burroughs, is an innovator and leader that will make a great partner to Tekni." Leveraging Autodesk CAM Solutions, both companies now bring to clients the future of manufacturing with integrated CAM, helping to identify process improvement opportunities for clients to drastically reduce cost, increase efficiency and maximize resource utilization.

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Cimatron's Int'l Sales Conference Celebrates Record Sales

27 May 2014

Cimatron Limited announced today that dozens of delegates from all continents attended the recent CimatronE Sales Conference in Tel Aviv.

"Cimatron has enjoyed both revenue and profit growth over the past years and this success is largely attributed to our international sales network comprised of both wholly owned subsidiaries as well as independent resellers," said Ira Bareket, Corporate Vice President of Sales and Marketing.

"We have been blessed by an excellent team of professionals around the world who are both friendly and experienced, providing the highest level of service and support to our growing customer base.

"It was overwhelming to witness customer testimonials from all around the world, serving a variety of industries and manufacturing state of the art products - all produced with molds and press tools designed and manufactured using CimatronE.

"The conference presented a great opportunity to expose the new version of our integrated CAD/CAM software, CimatronE 12, which is scheduled for release within a few weeks.

"The conference also gave us the opportunity to update the delegates about Cimatron's current and future development plans, including developments in support of 3D Printing technology."

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Hagerman & Company Celebrates 30th Anniversary

30 May 2014

Hagerman & Company is celebrating 30 years as an Autodesk, Inc. Value-Added Reseller. In 1984, the company was founded by Dennis and Sandy Hagerman in Mt. Zion, Illinois and has since grown to 20 offices and training centers in the Midwest, South and California. Hagerman is now one of the largest Autodesk Value-Added Resellers in the United States.

Hagerman & Company is an Autodesk Gold Partner in the Manufacturing and AEC industries and has earned specializations in several areas, including Consulting, Product Support, Simulation, Civil Infrastructure, Building, Product Design & Manufacturing, Process & Power and PLM. The company is also one of five Master Resellers in the country for Autodesk HSM, the new integrated CAM software for CAD tools.

"As I reflect on the past 30 years I think of the enormous advances in technology and communication since our start up as a three person, one office Autodesk reseller," said Hagerman & Company CEO/President Sandy Hagerman. "The one constant has been change, and we will continue to adapt as the needs of our customers evolve. We look forward to the next 30 years with enthusiasm, and thank our many customers for their loyalty and partnership."

The anniversary was celebrated as part of recent Technology Showcase events in Atlanta on April 22, and St. Louis on May 6. Hagerman's corporate office will also host an employee celebration.

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Moldex3D Celebrated Grand Opening of a New Moldex3D Office in Bangkok, Thailand

28 May 2014

CoreTech System Co., Ltd. (Moldex3D), celebrated the grand opening of a new Moldex3D office in Bangkok, Thailand on May 23, 2014. Company officials were joined by guests from Thailand's NSTDA (National Science and Technology Development Agency), Moldex3D's valued customers, alliance partners, and VAR (Valued-Added Reseller) members.

Moldex3D was delighted to have representatives from their partners, NSTDA and Siemens PLM Software to give presentations on the collaborative projects and joint ventures with Moldex3D at the Open House event. Moldex3D received warm support and positive feedback from the Open House guests, and many guests stated that they were pleased to see Moldex3D's physical presence in the Thai market, and were looking forward to having more in-depth collaborations with Moldex3D team in the near future. It is Moldex3D's core mission to partner with Thai elite members in both academic world and the leading companies in the industry in aim of advancing our technical solutions and better service their customers.

For more than 20 years, Moldex3D has been a preeminent global leader for providing true 3D simulation technologies, innovative solutions, and professional technical support to help its customers optimize product designs, resolve manufacturing problems and ultimately excel in their industries. The opening of the new office in Bangkok, Thailand, led by Managing Director of Moldex3D Thailand, Mr. Andrew Hsiao will better serve its customers in Thailand and will grow activities and foster greater impact across South East Asian region, in parallel with the Moldex3D's corporate goal of extending its global presence to provide local, immediate, and professional service to its customers worldwide.

"Expanding our presence here in Thailand is in recognition of our steady growth in the Thai market and better service our current Thai customers, whilst also helping us better identify the previously untapped business areas where we can take initiatives to further contribute to our growth in the local market," said Mr. Andrew Hsiao. "By opening a new office in Bangkok, Thailand, we are making Moldex3D solutions and our global staff expertise available to the Thai market, from working with our customers to tackle manufacturing challenges, to offer immediate support for urgent requests, and on-site hands-on training on Moldex3D software, as well as to provide innovative solutions to help customers stay ahead in today's highly competitive global market," he concluded.

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Open Services for Lifecycle Collaboration: CONTACT joins OSLC

27 May 2014

CONTACT Software, who co-authored the "Code of PLM Openness", is now involved in a further important initiative for open systems in the field of product lifecycle management. Open Services for Lifecycle Collaboration (OSLC) is an organization that uses established Web technology as the basis for developing standards for integrating proprietary software and product lifecycle tools and the associated data and workflows with the aim of achieving end-to-end lifecycle processes.

Standards like this open up application scenarios in which product information that is distributed over different IT solutions can be explicitly linked and used across system boundaries. This facilitates collaboration in interdisciplinary project teams, since it is no longer the case that joint development tasks will always result in the need to exchange data. And for companies, the outlay involved in implementing and maintaining a whole range of point-to-point interfaces is also reduced.

The software landscape in product development is one of the most complex applications to be found anywhere in the realm of IT. A large number of different tools and methods are used in the various disciplines such as mechanical engineering, E/E, software, simulation, production planning, etc. But a lack of openness due to proprietary formats and inadequate or unavailable interfaces are obstacles to more intensive collaboration between the disciplines. OSLC, on the other hand, takes its lead from the Internet and uses Web standards such as HTTP, REST, RDF and XML to make product data such as requirements, changes, quality issues, product items and so on available in the various systems.

"Our guiding principle is to provide end-to-end support for collaborative corporate processes with open solutions," says Frank Patz-Brockmann, Head of Development at CONTACT. "We have joined the OSLC initiative because it represents a promising approach to achieving interoperability between systems with regard to the information and business processes embodied in them without having to overcome enormous hurdles."

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University Students in Seven Time Zones Design Car Factory Using Dassault Systèmes' 3DEXPERIENCE Platform and Cloud Technology

27 May 2014

Dassault Systèmes and Ecole Nationale d'Ingénieurs de Metz (ENIM) today announced that ENIM and 15 other universities in ten countries around the world provide their engineering students with a unique social innovation and collaborative learning experience, based on Dassault Systèmes' 3DEXPERIENCE platform.

The pioneering "Global Factory" program, now preparing for its third year, brought together engineering students from a total of 16 different universities in seven different time zones, some 11 hours apart, by leveraging the multidisciplinary **3D**EXPERIENCE platform from Dassault Systèmes. All participants use the **3D**EXPERIENCE platform and cloud technology for design authoring, digital manufacturingU, scientific simulation and analysis, as well as collaboration. The outcome of this program is a rich computer model of a complete automobile factory, optimized in multiple aspects, including building, floor layout, process definitions, throughput, robots and machine

programs, operator ergonomics, and complex systems.

Participants in Global Factory

- Universidad Nacional de Cuyo (Argentina)
- Universidad Nacional de La Matanza (Argentina)
- Universidad Catholica de Córdoba (Argentina)
- Universidad Nacional de La Plata (Argentina)
- Universidade Estadual Paulista Júlio de Mesquita Filho (Brasil)
- Universidade Federal do Amazonas (Brasil)
- Nanjing University of Technology (China)
- Nanjing University of Science & Technology (China)
- Universidad de Antioquia (Colombia)
- Universidad EAFIT (Colombia)
- Khalifa University of Science Technology and Research (United Arab Emirates)
- Technical University Kaiserslautern (Germany)
- Instituto Tecnológico de Las Américas (Dominican Republic)
- Ecole Nationale d'Ingénieurs de Metz (France)
- UNIVERSIAPOLIS Ecole Polytechnique d'Agadir (Morocco)
- Universidad ESAN (Peru)

The success of the Global Factory program's first two years has lead ENIM and the program's other participants to plan an expansion of its disciplinary field in September 2014. Global Factory will become in its third year "Digital Farm" and will lead agronomy, mechanical, ergonomy, systems and industrial engineering students to rethink agricultural equipment in the context of a farming experience.

"Social, cloud-based collaboration was a key reason the Global Factory program over-achieved its goal," said Pierre Chevrier, Director, ENIM. "In a dispersed environment, like ones real life engineers experience every day, social networking technologies are mandatory for successful innovation. This is a fundamental competency that every engineer needs to succeed in today's multi-cultural business world."

The **3D**EXPERIENCE platform's 3DSWYM social application is essential to the project. Thanks to this social innovation environment, students are able to share ideas, ask questions, install applications and access training materials anytime, anywhere. Working together across international groups with different native languages, across dispersed time zones, is a challenge to complex innovation projects. Global Factory provides participants with experiential learning opportunities to understand and develop this competence.

"Innovation and collaboration are, at their hearts, social activities. Social collaboration is an essential global engineering practice. ENIM's Global Factory program illustrates how our **3D**EXPERIENCE platform is perfectly suited to transfer such competitive practices into a student's learning experience," said Philippe Forestier, Executive Vice President, Global Affairs, Dassault Systèmes. "This is the future of education and we are proud to help forward thinking universities, such as ENIM and its partners, implement it."

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OpenText Announces Retirement of Paul McFeeters Chief Financial Officer by September 30, 2014
28 May 2014

OpenText announced that Paul McFeeters has informed the Company that he will be retiring from his position as Chief Financial Officer no later than September 30, 2014. OpenText has engaged a leading executive search firm and expects to announce Mr. McFeeters' successor on or before his retirement. Mr. McFeeters was appointed CFO of OpenText in June 2006.

"Paul has served as our CFO for 8 years, his career spans nearly 40 years and I would like to take this opportunity to thank him for his extraordinary service to the company. Although I am sad to see him leave, I am glad he is taking the time for himself and his family," said OpenText CEO Mark J. Barrenechea. "As many of us who know Paul well and would expect, he has built an outstanding professional finance team, and will help with the selection of his successor."

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Events News

Advanced Solutions Brings the Digital Prototyping Summit to Michigan and Pennsylvania
29 May 2014

Advanced Solutions, an Autodesk Platinum Partner and Authorized Training Center (ATC), will host an innovative technology summit for the Manufacturing industry in Michigan and Pennsylvania.

Digital Prototyping is a revolutionary approach to product development, which applies design, visualization, and simulation techniques to produce products rapidly and cost-effectively. Working in conjunction with Autodesk to create a new educational opportunity, Advanced Solutions has combined manufacturing industry talent and revolutionary design technology to produce the Digital Prototyping Summit.

Technology experts from Advanced Solutions and Autodesk will showcase how leading manufacturers are using computer technology to:

- Create more innovative concepts and engineer more accurate digital prototypes
- Perform simulations on digital prototypes to optimize designs
- Streamline documentation, data management, and collaboration
- Drastically reduce the product design and development lifecycle

The Digital Prototyping Summit will begin in Detroit, Michigan on Thursday, June 19, 2014, with a second event on Thursday, July 10, 2014 in Pittsburgh, Pennsylvania. Each day will begin at 7:30 a.m. with a "power" breakfast buffet to get the summit underway and conclude with a networking lunch ending at 12:30 p.m.

During the summit, technology experts will highlight five essential innovations changing the

manufacturing industry as we know it. The following 45-minute sessions will be offered at each summit:

- Design, Manufacture & Market Better Products with Digital Prototyping
- Simplify & Integrate Your Product Design Workflow
- 3D Digital Modeling with Autodesk Inventor 2015
- You Didn't Become an Engineer to Manage Data
- Optimize Your Products with Simulation: FEA, CFD, Stress & Motion

Registration is underway for both Detroit and Pittsburgh! Advanced Solutions is excited to offer the Digital Prototyping Summit as part of its ongoing complimentary educational series open to the Manufacturing, Architecture, Engineering, Construction and Infrastructure industries. For more information on this and other events, visithttp://www.AdvancedSolutions.com/Events/.

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Autodesk to Present at the Bank of America Merrill Lynch Global Technology Conference

28 May 2014

Autodesk, Inc. Chief Financial Officer Mark Hawkins, will present at the Bank of America Global Technology Conference in San Francisco, California, on Tuesday, June 3 at 2:05 p.m. Pacific Time. A live webcast, replay and podcast of the presentations will be available through Autodesk's Investor Relations Website at www.autodesk.com/investors. Please go to the Website at least 15 minutes early to register, download and install any necessary software. For more information, please call Autodesk Investor Relations at 415-507-6705.

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Delcam España to show latest CAM Developments at BIEMH

29 May 2014

Delcam España will demonstrate the latest development in company's range of machining software at the BIEMH exhibition to be held in Bilbao, Spain, from 2nd to 7th June. The centrepiece of the stand will be a demonstration of machining by robot using a Camau robot programmed with PowerMILL Robot. Delcam España will also highlight new functionality in Delcam's PowerMILL and FeatureCAM CAM systems.

Robots can be extremely cost-effective for machining large parts, for the production of larger items of tooling, and for the trimming and drilling of panels in metal or composites. Delcam's PowerMILL Robot software makes it as easy to program a robot for machining as it is to program a five-axis machine tool. Furthermore, with PowerMILL Robot, users have access to the comprehensive range of multi-axis machining strategies within PowerMILL.

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

constraints and home position, can be defined, and the simulation of the robot completed within those constraints.

The 2014R2 release of PowerMILL includes new options for high-speed and five-axis machining of parts and tooling with unprecedented speed and accuracy. New simulation and customisation tools, plus greater editing flexibility, give even greater opportunities to minimise programming times and reduce manufacturing times.

A series of improvements to Delcam's unique Vortex high-efficiency area-clearance strategy is also included in the new release. Vortex gives fast, safe metal removal by allowing solid carbide tooling to cut with its full flute length so minimising machining times. At the same time, Vortex toolpaths use a controlled engagement angle between the cutter and the part, and so give a more consistent volume-removal rate and feedrate, minimising wear on the cutter.

As well as including the Vortex area-clearance strategy, the 2014 R2 version of the FeatureCAM feature-based CAM system provides support for milling and drilling with right-angle heads, and one-stop programming of multiple roughing operations. Other enhancements in this release include better control of Z-level roughing, and improvements to Wire EDM and chamfering.

FeatureCAM was the world's first feature-based programming software when it was launched in 1995. Constant development since then has ensured that the system has retained its leadership in programming speed and ease of use, while an increased range of strategies has been added to provide more efficient toolpaths giving greater productivity on a wider range of machines.

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Delcam to show latest CADCAM for Toolmakers at DieMould China

29 May 2014

Delcam will demonstrate the company's complete range of design, machining and inspection software for toolmakers at the DieMould China exhibition to be held in Shanghai from 4th to 7th June. The range includes PowerSHAPE Pro for data translation and repair, modelling for manufacture and tooling design, and reverse engineering; PowerMILL for high-speed and five-axis machining; PowerINSPECT for CAD-based inspection on all types of measuring device; and Delcam Electrode for the design, machining and inspection of electrodes.

The 2014 R2 release of PowerSHAPE Pro includes a range of new functionality for the design of products and tooling. In particular, the new version introduces powerful new tools to make re-engineering complex parts from scanned data faster and easier, plus an option to merge disjointed faces within a solid and so make direct modelling operations more robust.

By offering a combination of solid, surface and direct modelling, together with reverse engineering functionality, PowerSHAPE Pro provides the most comprehensive range of design techniques available in a single CAD program. Having all the different technologies in the same package reduces the need to transfer data between multiple programs and so streamlines the whole product development process. At the same time, the combination of quick and easy direct modelling options, together with powerful and flexible surface modelling, makes PowerSHAPE Pro the perfect choice for design for manufacture.

The 2014R2 release of PowerMILL CAM software includes new options for machining of all types of

tooling with unprecedented speed and accuracy. New simulation and customisation tools, plus greater editing flexibility, give even greater opportunities to minimise programming times and reduce manufacturing times.

A series of improvements to Delcam's unique Vortex high-efficiency area-clearance strategy is also included in the new release. Vortex gives fast, safe metal removal by allowing solid carbide tooling to cut with its full flute length so minimising machining times. At the same time, Vortex toolpaths use a controlled engagement angle between the cutter and the part, and so give a more consistent volume-removal rate and feedrate, minimising wear on the cutter.

PowerINSPECT 2014 features a new interface with new icons that makes the software more intuitive and even easier to use. Other enhancements in the new version include the ability to create compound items, and so speed up and simplify repetitive measurements.

The new interface has been developed to further improve the ease of use that has been central to PowerINSPECT becoming the world's leading hardware-independent inspection software. Over the last few releases, the software has seen a significant increase in the range of measurements that it can make. The software can now be used to take all types of simple measurements and to inspect a growing variety of geometric features, as well as offering more tools for analysing complex 3D surfaces. In addition to making it easier to negotiate the greater range of options, the interface features freshly-designed icons, which give a cleaner look and feel to the software.

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

In the 2014 version, the .Trode file has been made compatible with Windows Explorer. This new option allows electrode geometry, set-up sheets and script files to be viewed directly from the .Trode file using Windows Explorer with a single click on the desired item. Data management has been simplified further with the option to output an electrode schedule in HTML, Excel or CSV format from the software.

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Intergraph® CADWorx® & Analysis University 2014 on June 2nd in Las Vegas to Feature Keynote by Company President, Rick Allen

28 May 2014

Intergraph announced that Rick Allen, president of Intergraph CADWorx & Analysis Solutions, will present the welcome keynote at CADWorx & Analysis University 2014 at Hexagon Global Network (CAU2014@HxGN LIVE), scheduled for June 2-5, 2014 in Las Vegas, Nevada. During the kickoff session, Rick Allen and his team will welcome conference attendees and introduce advancements and future product plans for the company's popular solutions for intelligent 3D plant design and engineering analysis. The conference includes over 40 sessions on CADWorx, CAESAR II®, and PV Elite® that are expected to draw 300+ attendees who will receive advanced plant design and engineering analysis

instruction designed to help them improve their organizations' capabilities and levels of operating efficiency and productivity. The conference includes informative lectures and hands-on labs led by design and engineering professionals plus customer case histories, end-user interaction, and networking events. During the conference, the company will recognize this year's Drivers of Success winners for innovative applications of the company's products. Attendees also have the option to attend over 100 other sessions taking place at HxGN LIVE.

For information about CAU2014@HxGN LIVE, visit http://hxgnlive.com/cau.htm. For a direct link to the registration page, visit https://portal.hxgnlive.com/portal/newreg.ww. For a synopsis of the sessions, visit www.coade.com/CAU2014/CADWorx.shtml.

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U.S. CAD Hosts Annual Hawaii Solutions Day with Guest Speaker, Sasha Reed from Bluebeam

29 May 2014

U.S. CAD announces that its annual Hawaii Solutions Day user event has been scheduled for June 12, 2014. This half-day event features various sessions revolving around the latest in the Autodesk releases and this year, the event includes guest speaker Sasha Reed, the Director of Strategic Alliances at Bluebeam® Software.

Sasha Reed began her career in the AEC industry in Honolulu, and is returning to the islands to share her industry knowledge as it relates to technology. During the Opening Session of Hawaii Solutions Day, Sasha will offer unique insights into the ways architects, engineers, and construction professionals can leverage Bluebeam Revu for PDF workflows and how they can push their businesses beyond paper and into the digital age of collaboration and BIM. Sasha is an industry leader; she has spoken at numerous events, including the AIA Design DC Conference, written articles for publications such as Construction Executive Magazine and is a regular contributor to BD+C's Digital Com blog, which focuses on helping project teams collaborate better.

"As a prominent member of the CAD and BIM community in Hawaii, U.S. CAD is excited to host our Hawaii Solutions Day again this year," states Yoshi Honda, Director of Operations at U.S. CAD. "This event is a great opportunity for local professionals to learn about what's new in the Autodesk releases and to hear from industry veterans like Sasha Reed. Education and training about CAD and BIM technologies has always been one of our biggest focus and we are proud to continue making Hawaii Solutions Day a free event that is accessible to a wide variety of users and professionals."

Registration for Hawaii Solutions Day is currently open online at http://www2.uscad.com/hawaii-solutions-day. The half-day event runs from 1:00PM to 4:00PM and will be held at the Neal Blaisdell Center, Hawaii Suite at 777 Ward Ave, Honolulu, HI 96814.

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Upcoming TopSolid'Mold 7 launch in France and the USA

23 May 2014

Missler Software will launch TopSolid'Mold 7, its new generation mold CAD/CAM software, at AmeriMold in Novi, Michigan (11th and 12th June) and at the French FIP show in Lyon (17-20 June). TopSolid'Mold is an integrated CAD/CAM solution for the design of molds and the machining of tools for mold makers and cutting tool makers. To be efficient a CAD mold making solution should propose increased automation for repetitive mold design operations. In order to manage all projects the CAD software should ideally be completely integrated with a CAD/CAM solution that can manage all shaped forms, general mechanical engineering and machining operations in a parametric and associative way. Thanks to these qualities TopSolid'Mold has become a worldwide reference in the design and manufacture of molds.

TopSolid'Mold has been regenerated and completely rethought for all mold makers. Among exciting new features for TopSolid'Mold 7 are:

Easy to use, new intuitive interface: TopSolid'Mold 7 offers a greatly improved ergonomy and proposes a much more modern and up-to-date graphical interface with more modern graphical possibilities which are better adapted to modern day CAD/CAM software use. This new technical make-over is based on the Windows 7 platform and offers such innovations as core video architecture improvements to the exciting new multi-touch user interface extensions to TopSolid users.

A powerful Split module: able to manage inserts from the split stage. TopSolid'Split, which is available within TopSolid'Mold, manages the automatic detection of parting lines, creation of parting surfaces and core and cavity blocks.

Intelligent standard components: On average 70% of a manufactured product is made up of standard elements. Hence the need to constantly improve and offer more standard and intelligent components. TopSolid'Mold 7 offers fully customizable standard mold bases, ejector pins, guiding, etc.

Total control of your mold data: TopSolid'Mold uses the best its fully integrated and transparent PDM solution. The user can manage and link all data from product design to toolpath management (with a built-in and transparent PDM solution). The result is that all modifications occurring at any stage of the design and manufacturing process are automatically updated thereby ensuring a systematic tracking system for all changes.

Optimized performances for heavy modifications: TopSolid'Mold 7 enables users to work faster thanks to such functions as partial loading, differed operations and quick 2D views.

Rheological analysis: available within TopSolid'Mold, TopSolid'PlasticFlow carries out a rheological analysis on plastic parts with the results being visualized directly in TopSolid. This offers TopSolid'Mold users an optimised tool for the design of plastic parts and can be used as a first step in determining the feasibility, quality and cost of designing their parts and injection molds. Thanks to the integration within TopSolid'Mold any modification made to the part will result in the simulation being automatically recalculated.

TopSolid'Mold 7 is available in the following languages: French, English, German, Italian and Brazilian Portugese.

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Financial News

3D Systems Announces Pricing of Public Offering of Common Stock

28 May 2014

3D Systems announced that it has priced a public offering of 5,950,000 shares of its common stock for estimated total gross proceeds of approximately $317 million. In connection with the offering, the Company has granted to the underwriter an option for 30 days to purchase up to 892,500 additional shares of common stock. The offering is subject to customary closing conditions and is expected to close on or about May 30, 2014.

3D Systems intends to use the net proceeds from the offering to finance future acquisitions and for working capital and general corporate purposes.

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AVEVA Group PLC Preliminary Results for the Year Ended 31 March 2014

27 May 2014

AVEVA Group plc today announces its preliminary results for the year ended 31 March 2014.

Highlights

- Constant currency organic revenue growth of 10%
- Adjusted PBT margin 33% (2013 - 32%)
- Adjusted basic EPS growth of 19%**
- Significant progress with AVEVA E3D™, with a number of global customers licensing the new platform
- Engineering & Design Systems revenue - £211.5m (2013 - £189.5m); Enterprise Solutions revenue - £25.9m (2013 - £30.7m)
- Strong growth in Asia Pacific up 19% (2013 - 14%)
- Recurring revenue steady at 70% with 11% growth in rental licences
- Cash conversion of 102% (2013 - 97%), reflecting focus on cash collection

Commenting on the outlook, Chief Executive Richard Longdon said: “The broad international spread of our business, combined with robust underlying market drivers, has once again proved effective in enabling us to deliver strong underlying growth and an improvement in profit margin, despite varied economic conditions across some of the regions in which we operate, and different rates of expansion across our chosen markets. This reflects AVEVA's strong competitive position, and the value that our Engineering and Design and Information Management solutions deliver to our customers. We are confident we can achieve our targets for further growth.”

To view an unabridged version of this press release, visit: http://aveva.com/en/News-Events/Press-Releases/Press-Releases-2014/Corporate/AVEVA-GROUP-PLC-PRELIMINARY-RESULTS-FOR-THE-YEAR-ENDED-31-MARCH-2014.aspx

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HP Reports Fiscal 2014 Second Quarter Results
22 May 2014

HP has announced financial results for its fiscal 2014 second quarter ended April 30, 2014.

Second quarter GAAP diluted net earnings per share (EPS) was $0.66, up from $0.55 in the prior-year period and within its previously provided outlook of $0.62 to $0.66. Second quarter non-GAAP diluted net EPS was $0.88, up from $0.87 in the prior-year period and within its previously provided outlook of $0.85 to $0.89. Second quarter non-GAAP net earnings and non-GAAP diluted net EPS exclude after-tax costs of $418 million and $0.22 per diluted share, respectively, related to the amortization of intangible assets, restructuring charges and acquisition-related charges.

Second quarter net revenue of $27.3 billion was down 1% from the prior-year period and flat on a constant currency basis.

The complete news release is available at: http://h30261.www3.hp.com/phoenix.zhtml?c=71087&p=irol-newsArticle&ID=1933777&highlight=

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Implementation Investments

AMEC Commits to Long Term Global Deployment of AVEVA Software Solutions
27 May 2014

AVEVA and AMEC today announced their signing of a new five-year global agreement for the supply of AVEVA software for engineering, design and information management. This latest agreement extends a single global contract that provides access for all of AMEC's worldwide offices to the full portfolio of AVEVA software and services, including the AVEVA Enterprise Resource Management™ suite, and the new market-leading AVEVA Everything3D™ (AVEVA E3D™) design software.

'AMEC has developed industry leading engineering and information management systems which, in combination with AVEVA technology, represent a powerful project delivery offering to AMEC's customers,' said Colin Fairweather, Applied Technology Director for AMEC's Europe business. 'Using our combined systems and technology we can deliver more predictable project outcomes, which is what all of our customers are requesting of AMEC.'

'Our strong relationship with AMEC has brought considerable business value to both parties,' said Dave Wheeldon, Chief Technology Officer, AVEVA. 'Over the last decades AMEC has provided invaluable feedback, advice and inspiration for our technology development roadmap and we continue to work closely with their team to apply the latest proven technologies to advance their capabilities. The scale of

this latest agreement is clear proof our levels of customer support. We are proud of this thriving technology partnership and we look forward to supporting AMEC for many more years.'

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Dan Post Boot Company Implements Product Lifecycle Management from Centric Software

28 May 2014

Dan Post Boot Company has implemented the Centric 8 product lifecycle management (PLM) solution from Centric Software, Inc.

Dan Post Boot Company markets and distributes men's, women's and children's footwear. According to Frank Murphy, vice president of sourcing at Dan Post Boot, the company uses the Centric 8 PLM software to improve its product development process by eliminating reliance on spreadsheets and e-mail for communications.

“Centric 8 provides ‘a single version of the truth’ about our products and so removes confusion, reduce data entry duplication and errors, and compresses product design and development schedules.” Dan Post Boots also capitalizes on up-to-date, accurate product information for better sourcing and negotiations, Murphy says.

Management, planners, marketing, designers, technical designers, quality management and materials management teams at Dan Post Boots will be using Centric 8. Dan Post Boot’s 17 external suppliers, located in Mexico, China, India, and Vietnam also will use the PLM software, improving the company’s collaboration with overseas vendors, and enabling vendors to take on greater responsibility in sourcing and in the creation of bills of materials.

Dan Post Boots’ suppliers now use the Centric 8 PLM software to update production schedules in real time, allowing the company to provide more accurate delivery information to its customers. Improved vendor collaboration has streamlined some compliance requirements, such as those related to the Consumer Product Safety Improvement Act (CPSIA). Vendors now help maintain CPSIA-required documents within the PLM software, which has reduced administrative costs for select Dan Post Boots. The company’s product development team has improved the efficiency and transparency of the sample process by using Centric 8 PLM to issue sample requests to suppliers.

Dan Post Boots selected Centric for its footwear industry expertise, product innovation and leadership, and “best-of-breed” approach, says Murphy. “Purchasing a new PLM solution that came coupled with ERP software seemed to water down both systems,” he explains.

Footwear makers like Dan Post Boot have complex product development requirements and need a PLM system that can deliver these necessities out-of-the-box without customization, according to Chris Groves, president and CEO of Centric. "Dan Post Boot operates in a smart, strategic manner,” says Groves. The company focused on finding an innovative, best-in-class, highly configurable PLM solution that meets its needs as a footwear leader, he adds. “Ultimately, Centric 8 will help Dan Post Boot achieve significant improvements in product quality, speed to market, and margin.”

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Dr. Höhn Picked ZW3D to Boost Design and Manufacture of Road Ranger Hardtops

27 May 2014

ZW3D today announced that it has been selected by Dr. Höhn GmbH. Featured with the all-in-one CAD and CAM solution, ZW3D provides solutions from optimization of scanned point cloud to 5-axis CNC machining, enabling Dr. Höhn to speed up the whole manufacturing process and improve the productivity.

Dr. Höhn is a manufacturing company, producing covers and accessories for pick-ups. Founded in the 1960s, Dr. Höhn has established a powerful production-assembly line for ROAD RANGER® hardtops from product design, processing to assembling. Directly working with manufacturers such as Mitsubishi, Nissan, Volkswagen, Isuzu and Toyota, etc., Dr. Höhn has earned a great reputation for its quality.

The Need

The production of a hardtop goes through four stages: Laminating, Grinding & Cutting, Painting and Installation. Engineers will scan the back of the pick-up and model the covers according to the point cloud data. After the 3D modeling, they will prepare the tool path on CAM module and drive the Robot for machining. The company urgently demands an integrated CAD/CAM solution which can provide a packaged CAM/CAD system to improve the overall productivity and efficiency.

The Solution

ZW3D delivers a whole package of solutions covering reverse engineering, flexible 3D modeling, 5-axis robot milling and accurate tool paths, etc., helping Dr. Höhn to boost productivity and shorten the lead time.

With the integrated CAD/CAM program, ZW3D improves the corporation between cross functional teams in Dr. Höhn, like design and machining departments, eliminating data loss and misplacement. Featuring the unique Solid-Surface Hybrid Modeling technology, ZW3D also assists Dr. Höhn to perform CNC machining for the discontinuous face directly without surface repairing ahead, which can greatly save time of product processing.

“The integrated CAD/CAM system of ZW3D can satisfy all our requirements in design and processing. It means greater flexibility, shortor lead time, as well as less training time for employees,” commented Kamil Macidlowski, Manager of Dr. Höhn.

The Service

The Polish ZW3D distributor provides timely support to keep Dr. Höhn up-to-date with the hybrid modeling technology and prepares CL code to drive robots and 5-Axis CNC machines. As ZW3D is optimized for the ease of use, designers and CNC programmers can quickly master and apply it in actual production work.

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Elysium Approved as JT Data-Translation Provider to Daimler Supply Chain

28 May 2014

Elysium Inc., was recently approved as a certified JT bi-directional translation provider for the Daimler Supply Chain. Elysium now provides Daimler AG with the official CATIA V5 to NX translation tool within the automaker's PLM2015 project.

The JT format is a leading standard within the world of 3D data sharing. JT file version 9.5 is specified by Daimler as one of the approved delivery formats for supplier data collaboration. Elysium's JT translator can be integrated into the SWAN portal, which helps facilitate supplier integration and, specifically, the exchange of high-fidelity geometry in support of supplier Multi-CAD environments.

"Supply chains continue to rely on multiple in-house CAD/CAE programs and struggle to meet the native-to-native interoperability preferences of their different OEM clients," says Ken Tashiro, vice president of Elysium Inc. "As world markets see new, innovative partnerships born, even among old competitors, the modeling data that these OEM-supplier alliances create must move quickly and accurately in every direction.

"JT is very common in the global automotive industry and emerging alliances, and it's on the increase now in Europe," says Tashiro. "The German automotive sector strikes me as particularly collaborative in nature. The introduction of JT there is good news for those that emphasize close teamwork and innovation."

Elysium has supported the JT standard for many years through the company's Japanese customer base, including translation and usage at Honda. Elysium's JT translator has been ranked Number 1 in industry benchmarks for bi-directional capability. Daimler recently benchmarked, tested and certified the Elysium JT translator as compliant with its quality standards.

The Daimler requirement for JT encompasses downstream use cases that include digital mock-up, publishing, assembly configuration confirmation, interference checking, design-in-context, space utilization, CAE and MFG simulation, and other functions.

In addition, the Daimler Smaragd-PDM system requires special metadata and attribute mapping in order for suppliers to successfully upload to the automaker.

To meet these challenges, Elysium customized the existing JT technology to match Daimler requirements for exact geometry and visualization needs. Manufacturing and process planning requirements were also met via extensive tuning of Elysium's robust Product Manufacturing Information (PMI) support, which includes dimensions, annotations and symbols.

Elysium JT software incorporates the exact extraction of CATIA geometry and manufacturing information via the CATIA CAA toolkit. The CATIA 3D data then undergoes automated healing to provide for an accurate representation within the JT format, guaranteeing precision form-fit-function and downstream reuse within Daimler or other environments.

"JT is the best of two worlds—lightweight visualization for large assemblies and exact geometry and master data for manufacturing with the same tolerances as the original CAD model format," says Tashiro. "JT also addresses much of industry's concern for uniformity of standards and their implementation with an open format. This helps account for its rising popularity among mechanical application vendors worldwide."

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Mentor Graphics' Capital Software implemented the Electrical Wiring System Development Process on the Learjet 85 Aircraft

27 May 2014

Mentor Graphics Corp. announced today that Bombardier Aerospace, a manufacturer of business jet aircraft, has implemented a complete digital development process for the Learjet 85* aircraft's electrical distribution system. Adherence to the Federal Aviation Regulations (FAR) Part 25 Electrical Wiring Interconnection System (EWIS) mandate is now necessary for certification of new civil aircraft. With the FAA's and Canadian Transportation Agency's (CTA) EWIS mandate as a goal, Bombardier achieved very significant process and quality improvement objectives. Bombardier Aerospace accomplished these by adopting innovative technology delivered by the Mentor Graphics® Capital® product family.

The Capital product is an advanced software suite for the electrical systems and wire harness domain. Used by leading aerospace OEMs, the Capital product is built to support the complex demands of integrated processes from initial aircraft definition through electrical system and design, harness manufacture and aircraft maintenance.

The Capital software used at Bombardier includes applications to address electrical systems definition and integration, integration with mechanical CAD systems, culminating with products that address the harness planning and manufacturing tasks. Along the entire process, data verification constantly occurs which ensures that the manufactured wire harnesses meet design intent. For example, EWIS wire routing constraints defined early in the Capital environment are maintained throughout the flow and ensure that the as-built wire routing meets the EWIS mandate objectives.

Bombardier Aerospace used the Mentor® Capital Logic™, Capital HarnessXC™ and Capital FormboardXC™ software, supplemented by Capital's CATIA V5 MCAD integration applications. Since all the applications are data-centric, design data defined in one application is shared between all tools ensuring digital continuity throughout the development process.

"Bombardier Aerospace is a great example of an innovative company leveraging Capital's Platform Level Engineering Capabilities to achieve quantifiable business benefits. These tools help customers to realize their quality goals and position themselves strongly for the future," said Martin O'Brien, general manager of the Integrated Electrical Systems Division of Mentor Graphics.

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MSC Software Supports the Largest Tidal Turbine in the World Designed by Scotrenewables Tidal Power Ltd

27 May 2014

MSC Software Corporation announced that Scotrenewables Tidal Power Ltd (SRTP) based in The Orkney Islands, has used MSC Nastran and Patran with Laminate Modeler to design and analyze the rotor blade of the largest tidal turbine in the world today.

Founded in 2002, Scotrenewables Tidal Power Ltd (SRTP) is committed to delivering cost effective renewable power to satisfy current and future energy requirements worldwide with the design and production of floating tidal stream and run-of-river-turbines. With their latest innovation, the SR250

converter, the company created an award-winning patented hydrokinetic energy converter, designed to convert energy from tidal streams and river currents where they are strongest but also closest to the surface.

The next step into the future is the design and development of a larger turbine more suited for tidal array deployment. The next generation turbine - the SR2000 - will reach a rated power of 2MW at 3m/s making it one of the most powerful tidal turbines in the world. MSC Software will support the design and analysis of the tidal turbine rotor blades structure which will be one of the largest to date, and will be built to survive a 20-year design life. MSC Nastran/Patran and Laminate Modeler are already helping SRTP to model the blade structure and optimize the blade design.

"Patran with Laminate Modeler provides a very easy to use and powerful tool enabling us to produce a more optimum blade design," said Jonny Meason, Chief Technical Officer & Finlay Wallace R&D Engineer. "In addition, the solution allows us to model the blade structure quickly and to analyze more load cases. This enables more design optimization iterations to be considered, which is resulting in a more efficient rotor design in terms of strength, weight and cost."

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Obayashi Adopts GRAPHISOFT BIMx for Mobile Access to BIM Projects

28 May 2014

GRAPHISOFT® announced that a large-scale purchase agreement has been finalized between GRAPHISOFT and Obayashi Corporation; the agreement will equip more than 4,000 Obayashi staff with GRAPHISOFT BIMx Docs.

Obayashi Corporation will adopt BIMx to make the award-winning BIM project presentation app available to thousands of field technicians, further ensuring on-site construction quality and management efficiency. As a result of this agreement, Obayashi will be authorized to install and use GRAPHISOFT BIMx Docs on all Obayashi-owned tablet computers in Japan. This agreement is yet another step on a path shared by GRAPHISOFT and Obayashi as a means of reforming the use of BIM among the design, construction and building operation functions within the entire Obayashi Corporation.

“BIMx Docs’ superior operability was the deciding factor for its introduction. In order to effectively carry out our construction management, the BIM model must be brought to the construction site. BIMx Docs will further spread the use of BIM in the field,” said Hiroshi Miyakawa, Obayashi Corporation, Building Construction Division, PD Center, General Manager.

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Optimatic Solutions Chose ZWCAD+ to stay ahead of Engineering Challenge

30 May 2014

ZWCAD Design today announced that Optimatic Solutions, a company specializing in design, engineering and consulting for the oil and gas industry, have selected ZWCAD+ 2014 to meet their demanding design requirements. The efficient tools and features that ZWCAD+ offers are able to speed

up the company's demanding design process, while the efficient memory management technology reduces lag and improves handling of large files, allowing Optimatic Solutions to become more competitive within their industry.

Established in 2005, Optimatic Solutions is a leading specialist in design, engineering and consulting for the Romanian oil and gas industry. Their main focus is the oil coating process in fields including pipeline, automations, electrical, civil and fire risk studies.

The Need

As a major participant in a growing industry, Optimatic Solutions must work hard to remain competitive. They decided that they required CAD features that would increase the speed of the design process, whilst retaining or improving the quality of the end result. Beyond this, due to the large sizes of their drawings and designs, they demanded software that was capable of operating large files without slowing down. This was required at minimal price due to the financial constraints that competitors were putting on the industry.

The Solution

Having researched the options thoroughly, Optimatic Solutions decided that ZWCAD+ 2014 was the optimal CAD software to fulfill their needs. The features that are included remove the need for duplicating work and make commands easier to use. Associative Dimensions, for example, synchronizes blocks with dimensions and annotations, meaning you can change the size of any given block, without also having to change the associated dimension.

The impressive memory management technology is another reason that Optimatic Solutions chose ZWCAD+ 2014 as their CAD solution. Dragos Stefan, Mechanical Engineer at Optimatic Solutions, agreed that this technology "allows us to open and edit large drawings with memory usage reduced by 50%." This improves software start-up speed, and allows other programs to run simultaneously without any negative consequences.

The cost-efficient price was the final factor that convinced Optimatic Solutions to commit to ZWCAD+ 2014. Dragos Stefan commented that "costs are much lower than other programs of this type, especially taking in to account its compatibility with other design software. This is one of the main reasons that made us opt for ZWCAD."

The Service

ZWCAD Distribution SRL, the Romanian distributor of ZWCAD+ 2014, provided Optimatic Solutions with the information required to make an informed decision, as well as after sales support and advice. "The service and support provided by the ZWCAD+ local partner helped us to understand the benefits of this software and how we can increase productivity by working with ZWCAD+," concluded Dragos Stefan.

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Siemens PLM Software Expands at Toyota for its Vehicle Safety Initiative

29 May 2014

Toyota Motor Corporation has expanded its vehicle safety information management system based on Siemens' Teamcenter® software. The system has been in use since January 2013 as part of a

comprehensive initiative to produce safe vehicles for its customers. Teamcenter was selected based on the proven track record of its technology and its widespread usage throughout the global manufacturing industry.

Market requirements regarding safety compliance for vehicles are constantly increasing. In 2011, the International Safety Organization (ISO) published the ISO 26262 Functional Safety standard which defines functional safety for automotive equipment applicable throughout the lifecycle of all automotive electronic and electrical systems. In order to ensure compliance with ISO 26262, Toyota decided to implement a new safety information management system based on PLM that would standardize processes across multiple divisions.

After evaluating several PLM software systems, Toyota selected Teamcenter. Toyota cited the widespread adoption of Teamcenter by the global manufacturing industry and Siemens' open policy for PLM technology as important factors in its decision. Toyota's successful deployment of Teamcenter has allowed it to enhance collaboration between multiple divisions and significantly improve traceability management. This facilitates its ability to comply with functional safety standards.

"We are extremely proud to have earned the confidence of Toyota for such an important global initiative," said Chuck Grindstaff, president and CEO of Siemens PLM Software. "As the leading supplier of PLM software to the auto industry, Siemens takes its commitment to customer success very seriously. We are confident it will continue to provide the right information, in the right place, and at the right time, to help Toyota continue to make smart decisions throughout vehicle development."

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Product News

3D Systems' ProJet® 3510 and VisiJet® Pearlstone Material Verified by 3Shape for High Precision Dental Model Production

29 May 2014

3D Systems announced its ProJet® 3510 MP 3D printer and proprietary VisiJet® Pearlstone dental material have been verified by 3Shape for prosthodontic dental model production. Verified and integrated with 3Shape's Model Builder software, 3DS' ProJet 3510 MP is a proven solution for manufacturing prosthodontic dental models with accuracy, precision and push-button simplicity.

The ProJet 3510 MP is part of a comprehensive, personalized digital thread for dental model production, starting with models designed in Model Builder software direct from intraoral scans or physical impression scans, and output seamlessly on the ProJet 3510 MP with VisiJet Pearlstone material. The VisiJet Pearlstone dental material is available in both a Matte Plaster and Glossy print mode with a 30 micron layer thickness, an average accuracy of 50 microns and a stone-like finish.

"Since we installed our ProJet 3500 series printer with Pearlstone we have printed thousands of models with incredible consistency and accuracy. It integrates seamlessly into the 3Shape digital workflow for the TRIOS intraoral scanner, and the post-processing labor involved with this printer is minimal," said Rob Nazzal, CEO of Custom Automated Prosthetics. "Technicians are comfortable working with these models since they look and feel like stone, and the doctors love the superior fit of the all-digital

restorations."

3DS has also integrated its production services capabilities into the 3Shape software solution, so that Model Builder users without access to a ProJet 3510 MP can simply select 3D Systems from a pull down manufacturing output menu in the Model Builder software and order dental models from 3DS production facilities. 3DS will print the models on the ProJet 3510 MP direct from the Model Builder file and ship to the customer.

"We have performed all of the integrated design work to ensure seamless integration with 3Shape's Model Builder software as part of a comprehensive digital thread," said Lee Dockstader, Vice President Business Development, 3DS. "No other 3D printer has crossed this threshold and we are proud to announce our verification with 3Shape, as well as our production services capabilities to offer a proven dental model solution for Model Builder customers worldwide."

"3D Systems' ProJet 3510 MP and Pearlstone materials produce accurate, precise and high fidelity prosthodontic dental models direct from 3Shape's Model Builder software, providing our customers with a complete digital workflow," said Rune Fisker, Vice President Product Strategy, 3Shape. "We are also pleased to add 3D Systems as a manufacturing output provider in our integrated software solution so our customers can order dental models direct from 3D Systems through our software."

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Alphacam Leads the Way with 2014 R2 Enhancements

27 May 2014

Major enhancements to 5-axis toolpath functionality, along with the ability to automatically convert 2D design data to a 3D model, are included in the latest release of Alphacam, part of the Vero Software product portfolio. Updates to the Feature Extraction function also bring additional benefits to users.

The Alphacam 2014 R2 update includes several new and enhanced features which continue to demonstrate why Alphacam leads the way in improving productivity and flexibility for manufacturers, increasing their profitability.

Alphacam General Manager Nick Spurrett says: "There are a number of exciting new developments in Alphacam 2014 R2, including the ability to optimise 5-axis toolpaths to a specific machine configuration, and Part Modeler has been enhanced to convert DXF and DWG 2D drawings into 3D models."

Amongst the new functionality and enhancements:

5-Axis Toolpath Optimiser: Using 2014 R2, operators can optimise 5-axis toolpaths to their specific machine configuration and rotational axis limits. As this is carried out at an operational level, any changes to the toolpath data or machine configuration will be highlighted and the operation can be easily updated and re-optimised. The enhanced tooling Machine Angles are readily available as Element attributes for post processing and also driving the new simulator. The complete operation is analysed against the user settings, and where required the toolpath will be automatically split into separate sections, with options to maintain Feed Down and Lead In/Out settings on the modified toolpaths.

Part Modeler: This now includes the ability to convert an imported DXF or DWG 2D drawing into a 3D model automatically. It works by simply defining the relevant views from a 2D file by using intelligent loop selection or tracing around the profile of the part. Using a combination of correctly

oriented profile projections, a 3D solid model can be automatically constructed, ready for manufacture.

Feature Extraction: Notable enhancements include a complete redesign of the Automatic Feature Extraction dialog with improved layout, images for each option and context sensitive help. In addition, partial hole extraction is possible by specifying a partial angle range and small hole chamfers can now be extracted with options on the Feature Configuration dialog to set the preferred tool directions for internal and external paths. Finally, all feature extraction commands will extract to the current workplane if possible, and the active user layer.

Clamps and Fixtures: Enhancements enable more exact positioning and greater control against collisions as containment and positional geometry can now be set to better position clamps and fixtures against other data. Clamp moves can now be controlled using the new "Can Pop Up" option with improved Post Processor support.

Nesting: Alphacam 2014 R2 includes a number of significant enhancements to the nesting capabilities. The three major developments to this are Kit Nesting, where each part in the nest can be assigned a kit number, so that kits of parts can be nested to the same sheet; setting a No Nest Zone to a sheet which will apply to all subsequent sheets; and the New Nesting Special Function (unique to the Vero Group Nester) which prevents nesting into part apertures. This release also includes a new Bridged Nesting option which will analyse the nest to determine the outer Toolpath and bridge the parts together, keeping the tool down in the material whilst all the parts are cut out, thus minimising on tool lifts and re-positions.

BTL Translator: New functionality now allows components to be produced which are suitable for nesting, and includes the option to create a CSV file for all processed nesting parts, which can be loaded directly into CAD to CAM, and Cabinet Door Manufacturing. In addition, there are several new processes, including a Notch/Rabbet, House, House Mortise and Dovetail Tenon, all standard joint and groove processes for the woodworking industry.

Part of the Vero Software Group, Alphacam is a leading CAD/CAM solution providing productivity, reliability and flexibility. Improving these attributes in any company will help increase profitability. Vero has direct offices in the UK, Italy, France, Japan, USA, Brazil, Netherlands, South Korea and China, while supplying products to more than 45 countries through its wholly owned subsidiaries and reseller network.

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AspenTech Introduces aspenONE® Version 8.6 Software

28 May 2014

Aspen Technology, Inc. announces Version 8.6 of aspenONE software. The latest AspenTech software addresses Oil, Gas, Chemicals, and Engineering & Construction (E&C) companies' challenge to design and operate safe plants, and to accurately estimate project costs – from concept to construction – under tight deadlines.

aspenONE engineering V8.6 includes:

- Activated Dynamics Analysis– Dynamic modeling of compressors is a high value task requiring both expertise and experience. Version 8.6 of Aspen HYSYS software automates dynamic

modeling with a single button click to speed up model setup and enable more process engineers to perform compressor operability screening. All companies operating compressors, especially those processing gas in upstream and midstream, will benefit from better flow assurance and reduced maintenance cost. No similar capability is available in the market.

- Expanded pressure safety valve design and rating in Aspen Plus and Aspen HYSYS makes the aspenONE solution more comprehensive. In V8.6 new fire analysis scenario calculations - accounting for latent heat and temperature change- and rupture disk sizing have been added. All functionality is available in both Aspen Plus and Aspen HYSYS, improving chemical and energy operators' compliance with API 520 and 521.
- New detailed unit rate estimating in Aspen Capital Cost Estimator (ACCE) extends the software's scope further into the detailed estimating phase of a project. ACCE V8.6 enables easy adjustment of labor and material unit rates as well as materials of construction. The result is expected to enable organizations to achieve up to +/- 10% accuracy or better, reducing project risk and improving decision making around the use of capital.

The V8.6 release of aspenONE software, featuring updates to Aspen HYSYS, Aspen Plus, and Aspen Capital Cost Estimator, is available immediately. Customers on the aspenONE Licensing Model can upgrade to the new version for no additional cost. For more information, visit http://www.aspentech.com/products/v8-release/.

Manolis Kotzabasakis, Executive Vice President, Products, AspenTech -"AspenTech continues the high pace of innovation with the release of aspenONE Engineering version 8.6 software. Delivering on the Unified Engineering Environment first introduced with Version 8, breakthrough features such as Activated dynamics, pressure safety valve sizing, and addition of detailed costs to conceptual estimates are industry firsts that translate into day-to-day productivity improvements for our customers. More than ever, our customers require the capabilities of a unified engineering environment to be successful."

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CCE Updates Interop Products EnSuite and CAT5Works-Lite

28 May 2014

CCE announced the immediate availability of CAT5Works-Lite and EnSuite, with significant updates and enhancements.

EnSuite, a standalone product to view and translate 3D CAD data and to provide quick access to critical engineering information residing in CAD files has been updated to support reading of CATIA V5-6R2014 documents and exporting of CATIA V5-6R2014, SOLIDWORKS 2011 and NX8 formats.

"A large number of our customers use EnSuite to collaborate across the extended enterprise," said Vinay Wagle, CCE's V.P. of Sales and Marketing. "Based on user feedback, we've enhanced EnSuite's batch translator option to support specification of translator file list through a text file, as well as improved the model appearance by allowing users to set transparency to faces and bodies."

With this new release, EnSuite can be used to automate translation of large volume files with minimal training, and eliminate the costs of purchasing expensive CAD licenses to work with multiCAD data. EnSuite supports all major 3D CAD formats including CATIA V4, CATIA V5, CATIA V6, NX, Creo, SolidWorks, Parasolid, JT, CGR, STL, Solid Edge, 3D PDF, IGES and STEP.

The revised CCE Labs CAT5Works-Lite, free CATIA V5 to SOLIDWORKS translator has been updated to support SOLIDWORKS 2011 and CATIA V5 R19. The product allows file translations from within SOLIDWORKS and is now supported in Windows 8 besides Windows XP and 7.

"We've been very encouraged by the user response to our innovative CCE labs portal," said Wagle. "Hundreds of users have downloaded and are using CAT5Works-Lite since last year when the product was first introduced."

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CD-adapco™ Integrates STAR-CCM+® and SPEED™ to Provide Motor Design Engineers with an End-to-End Solution

27 May 2014

CD-adapco™ has integrated SPEED™ with STAR-CCM+®. SPEED™ is the leading electric machine design tool and STAR-CCM+® a powerful all in one tool that models heat transfer, fluid dynamics, structural stresses, electric and magnetic fields, and aero-acoustics that play important roles in many electric machine applications.

CD-adapco™ purchased the SPEED™ electric machine suite of programs in June 2011. SPEED™ performs a 2D magnetic design using both analytical equations and finite element analysis links (using PC-FEA, a 2D FE solver) for electric motors, generators, alternators, and other magnetic actuators. It also combines electronic drive models with the machine's magnetic design. STAR-CCM+® takes the SPEED™ simulation results, converts their 2D model into a 3D model and models the machine's thermal performance under a wide range of environmental conditions. STAR-CCM+® can also be used for the electromagnetic 2D calculations as the GoFER's to PC-FEA will be available for STAR-CCM+® using the 2D magnetic FV solver.

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Delcam's new FeatureCAM feature-based CAM focuses on ease of use

27 May 2014

The 2014 R3 release of Delcam's FeatureCAM feature-based CAM system includes a range of enhancements to make the software even easier to use, so allowing customers to produce programs for all types of machine tool more quickly and, therefore, to deliver high-quality parts in shorter lead times. Full details, including video demonstrations, are on the Learning Zone – www.delcam.tv/fc2014

FeatureCAM was the world's first feature-based programming software when it was launched in 1995. Constant development since then has ensured that the system has retained its leadership in programming speed and ease of use, while an increased range of strategies has been added to provide more efficient toolpaths that give greater productivity on a wider range of machinery, including mill-turn machines, five-axis mills and wire EDM equipment.

The first productivity-enhancing option in FeatureCAM 2014 R3 is a new command that allows entire parts or projects to be mirrored more easily than before. The option supports parts to be milled with

multiple set-ups, including 2.5D, 3D and 3+2-axis configurations. Both 'Move' and 'Copy' options are available to reflect all the features within the part or project relative to a choice of a particular plane, line or axis in which to mirror.

Continuous enhancements have been made to the FeatureCAM user interface to improve ease of use. One simple improvement in the new release makes tool windows respond to the machine choice. Tools now appear in the window in an orientation that matches how the tool will be used on the machine, eliminating any mental disconnect when selecting the desired tools for particular operations.

Another change allows the picking of the bottom radius of solid faces through curvature analysis. This greatly improves interactive feature recognition by removing the need to take measurements of the part to identify the bottom radius.

FeatureCAM 2014 R3 sees the introduction of a new hole type, 'Thread Mill Hole', which eliminates the need to create holes, pockets or sides, and thread features as separate items. It can be used either with holes created with the 'Hole' feature or those that have been identified with 'Feature Recognition'. A range of preset threads for standard depths of drilling and thread depths can be applied or users can customise their own thread combinations.

FeatureCAM 2014 R3 gives more control when creating z-level roughing toolpaths, with a new option to establish pre-drill locations for the toolpath. This can be done through the use of single-point positions or curve-point positions to define the plunge locations.

Although FeatureCAM comes with extensive automation built in, it also comes with Addins, such as the 'Port Cavity' Addin, that users can customise for any repetitive operations. A new version of this Addin, integrated with FeatureCAM's 'Part Library' functionality, has been developed for the new release to provide more flexibility and to make it easier for programmers to define their manufacturing processes. The user can now create a template feature set for each port, using regular drilling features, and then configures the recognition to copy toolpaths for this feature set from the part library when a similar feature set is recognised.

The availability of a wide range of post-processors has always been a key benefit of FeatureCAM, together with the ability for users to customise their posts. In FeatureCAM 2014 R3, post variables can be assigned user-defined names. This allows users to see quickly exactly which post variables are configured for use with a particular post-processor and to understand their intended use. This change will be particularly valuable when programmers need to understand customisations in posts that have been made by other users.

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Flow Science Announces Release of FLOW-3D Version 11

29 May 2014

Flow Science, Inc. announces the availability of a new release of ***FLOW-3D***, version 11. A major release, ***FLOW-3D*** v11 features a state-of-the-art postprocessor, FlowSight™, advanced meshing capabilities, a new sediment transport and erosion model and many more numerical solutions designed to help Flow Science's customers continue to innovate, design and research.

FlowSight is a new advanced visualization tool for ***FLOW-3D*** based on the leading EnSight® post-processor. FlowSight offers users new and powerful ways to analyze, visualize, and communicate their

simulation data.

This release also comes with increased meshing capabilities, including conformed and partially-overlapping meshes, and solution sub-domains that significantly decrease the memory requirements, simulation times, and size of results files without compromising accuracy.

One of the most widely-used and unique CFD models in the industry, ***FLOW-3D***'s sediment scour model has been rewritten to address the complex nature of sediment transport and scour. The model features improved accuracy, an extension to shallow water flows, and much more.

"The extensive work that we've done to customize EnSight, the leader in post-processing and visualization software, to display the complex flow regimes our customers use ***FLOW-3D*** to understand is only the beginning. From here on, ***FLOW-3D*** users will be able to take their analysis to another level," said Tom Jensen, President of Flow Science. "Coupled with further development of cutting-edge models in the ***FLOW-3D*** solver, version 11 is definitely a major step forward and we are eager to see our customers' reaction."

Key models and improvements to the solver and GUI include:

- FlowSight
- Advanced meshing techniques
- Sediment transport and erosion
- Core gas
- Surface tension
- Solid/solid interaction
- Visco-elastic-plastic fluids
- New k-omega turbulence model
- Slurry flows
- Cooling channels
- FAVOR™ checking

For an extensive description of the improvements in the v11 release, go to:
http://www.flow3d.com/flow3d/flow3d-whats-new-in-version-11.html

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Infinite Skills "SolidWorks 2014 Training Bundle" Aggregates Training in 3D Modeler from Beginning to Advanced Techniques

27 May 2014

Software training firm Infinite Skills Inc. this week introduced its "SolidWorks 2014 Training Bundle," a collected version of the company's training in this unique and powerful program for designing and modeling mechanical engineering projects.

SolidWorks is a leading program in 3D computer aided design (CAD) and is used by 2 million engineers and designers worldwide. The program uses a parametric, feature-based assembly system for building

mechanical models, allowing users to create and assemble parts into an overall design.

Infinite Skills' SolidWorks 2014 Training Bundle combines the training offered in the introductory course with its advanced courses dedicated to the mastery of specific toolsets within the SolidWorks feature set.

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 of mechanical design technology. Kerste began his career as a draftsman, detailing large industrial combustion systems for power generation and transitioning them into natural gas distribution systems.

Matt Perez is a certified expert in SolidWorks who has worked in training and private training consulting, helping companies develop strategies to improve efficiency in using SolidWorks since 2011. Perez has been recently recognized by SolidWorks for a tutorial that focused on designing a Chevrolet Camero.

This collection of courses is designed to provide SolidWorks users with a robust training guide that can serve as a reference for continued use as the various tool palettes become necessary in a professional practice.

Kerste begins by explaining basic and intermediate features for creating models, including drawing and sketching, working with mates, and producing assemblies.

Perez covers techniques such as working with the kinematics tool palette, which users use to model motion dynamics in models designed for motion and load-bearing, including methods for analyzing collisions and physical dynamics.

Other topics include detailed instruction on molded part design, the sheet metal toolset, fundamental and advanced surfacing, and using the SolidWorks tools for weldments.

"This bundle combines our beginners course with advanced master classes in specific skills," says lead service representative Chris Johns. "These smaller courses have done very well individually as downloads, and this collection makes them available for our DVD and direct download customers, providing a comprehensive resource containing all our SolidWorks materials."

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Lantek Launches New Version of its Software Solutions for the Sheet Metal Industry

29 May 2014

Lantek recently unveiled its new 2014 portfolio. The portfolio includes innovative improvements in 2D and 3D CAM solutions, manufacturing management, and mechanisms for integration which, facilitate the user's experience, reducing the time and materials required for manufacturing, and increasing the options for integration with the most popular CAD solutions on the market.

"Lantek has the largest software portfolio in the industry and can offer a comprehensive solution, in an advanced and technological environment, for every function and department of a company. The ultimate goal is for everything that happens in a company to be available for management and monitoring in real time, with integrity and guaranteed access capability. In short, we provide innovative solutions that significantly simplify the processes within a company," explains Alberto Martínez,

Director General of Lantek.

One of the core commitments of the Miñano-based company is to update and reformulate its technological solutions to meet the growing design, nesting, machining and manufacturing needs of companies in the sheet metal processing industry. Its dedication has yielded results, since there are now more than 14,000 customers around the world using Lantek technology.

Among the improvements which Lantek has introduced this year is the integration of its 2D CAM solution with the Lantek Expert suite. This integration has achieved significant results in terms of user experience and increased productivity.

Lantek's 2D CAM solutions also include improvements in the nesting workspace parts display panel, and the settings for geometry import. Now the system can automatically select the technology required according to the type of contour and show the overlap in the punching operations.

More accurate and more productive nesting

Lantek continues to innovate its nesting algorithms for increased business productivity. New options include: defining ranges by thickness, destruction of holes, and improved drilling and overlap technology.

Additionally, the multinational software company has strengthened its technological capacity to handle the latest generation of machines, such as fiber-optic laser cutting machines and combination machines which include milling capability.

The new Lantek portfolio now includes advanced 3DCAM for specialized tube and pipe machining. Significant improvements enable efficient use of material through the selection of nesting criteria and the preparation of tubes and beams. Amongst other new functionality in the 2014 catalogue, Lantek Flex3d solutions now has flexible management of instructions and different cycle types for machining parts on flat or curved surfaces.

Price calculation by thickness and format in real-time

Another key element of Lantek's advanced technology is the functionality and solutions it offers for manufacturing in the workshop environment. Grouped under the Lantek Workshop range, it includes Lantek Manager, Lantek Wos and Lantek Workshop Capture. The 2014 catalogue includes improvements in material and cost management, with material price calculation according to thickness range and format, automatic updating of material price based on purchase history, and advanced calculation of time for operations without cuts.

Furthermore, Lantek has enhanced its real-time workshop monitoring capability. Advances include detailed monitoring of machine workloads, and direct communication solutions between the factory and office.

One of the hallmarks of Lantek's technology is its versatility and compatibility with all the most widely used solutions in the sheet metal industry. The Lantek Flex3d Addins product provides enhanced integration with the most popular CAD software solutions on the market, such as: Solid Edge, Autodesk Inventor and Active Job. Additionally, Lantek has expanded its Masterlink integration mechanism options for managing imported parts during the nesting process and, offers a full catalogue of online services through its powerful API Avantiaservices for the integration of production and the inventory.

"Not only do we provide the technological tools necessary for our customers' production processes, we also develop management and improvement programs which are applied to our technology to optimize the performance and efficiency of the software we sell. We can completely adapt our solutions to our customers' technical and productive needs and specificities enabling them to benefit from the full

potential offered by Lantek. Our technology is capable of mimicking the way each company works and of bringing innovation to our customers' processes. In this way, they are able to reach maturity in their management and operate at the same level as the leading companies in the industry," says Alberto Martinez.

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New Release of Anark Core™ to Debut at 3D Collaboration & Interoperability Congress

28 May 2014

Anark Corporation, provider of automated Model Based Enterprise (MBE) and 3D CAD visualization solutions today announced the release of **Anark Core™ 4.3** at this year's 2014 3D Collaboration & Interoperability Congress in Colorado Springs.

Anark will demonstrate several new and powerful capabilities at 3DCIC being held at the Cheyenne Mountain Conference Center in Colorado Springs, Colorado beginning May 28th through May 30th.

This significant new release of Anark Core adds many new customer inspired capabilities including the ability to:

- Publish data from multiple sources, including CAD, PDM, ERP, and MES
- Create MBE documents and applications that are "Fit for Purpose" using Anark Recipes 2.0 Automation technology
- Author & publish 3D & 2D Engineering Release Documents
- Support for both 3D PDF and 3D HTML Platforms
- Automatically regenerate engineering release documentation on engineering change or PDM workflow triggers
- Provide 3D PDF and 3D HTML publishing services within multi-CAD, multi-PDM environments

Additionally, one of Anark's key Strategic Customers--Prashant Kulkarni (Engineering Technical Leader, Configuration Management & Product Definition, GE Power & Water)--will present highlights of GE's three year 3D MBE production journey.

Anark generated 3D MBD and MBE documents (which replace old school 2D Drawings and paper-based manufacturing processes) have been shown to provide up to:

- 30% Reduction in Engineering Time
- 50% Reduction in Tooling Design & Fabrication Costs
- 30% Reduction in Overall Assembly Time
- 20% Reduction in Scrap & Rework
- 50% Reduction in response time
- Significant reductions in Enterprise Software License Costs

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New Subscription Plan Offers Complete CAD Affordability for Engineers at CADavenue

28 May 2014

This month, CADavenue released a "pay as you go" plan for two of their flagship products.

The new plan which is referred to as EasyPay, is a new subscription plan allows CAD users to subscribe with a low monthly payment. Either their engineering add-on for AutoCAD® (called Mech-Q) or their 2D/3D CAD software package (called AViCAD) are available by subscription.

Mech-Q is CADavenue's engineering add-on for AutoCAD®. It ships with four main modules which include Piping, Ducting, Structural and Mechanical utilities. AVICAD is their complete 2D/3D CAD software package. It includes Mech-Q and other utilities plus creates AutoCAD-Like DWG files natively.

The EasyPay plan features a free trial so that subscribers can try out either product for 15 days without being billed.

Owner Victor Abela comments, "One of the important features of Easypay is that it allows our customers a hassle free and affordable way to use our products for about little over a dollar and a half a day."

EasyPay features include:

- Available for Mech-Q or AViCAD Pro
- Includes technical support and upgrades
- No setup fees or credit screening
- Redeem up to 6 payments to purchase
- Plan allows you to cancel anytime

Victor explains, "As an add benefit you also have the option to redeem your payments (up to 12 of them) and buy our software anytime. This allows users to decide later which payment option they prefer."

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