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CIMdata News

Volvo Car Corporation Executive Anders Carlsson to Kick-off CIMdata’s 21st PLM Road Map™ in Plymouth, Michigan in October

29 July 2014

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces that Volvo Car Corporation’s Senior Advisor for Virtual Manufacturing and PLM Anders Carlsson will kick-off PLM Road Map™ 2014 with a keynote presentation that will address how a global brand with just 0.5% of the world automobile market can stay competitive.

In his keynote address, “The Volvo Journey,” Carlsson will discuss how Volvo Car Corporation (Volvo Cars) intends to fulfill its vision of selling 800,000 cars per year by 2020 – an increase of nearly 100% over current sales. Volvo Cars’ future is about getting as much product to market as quickly as possible and to achieve this goal their plans call for lead time to be reduced by 50%. He will also demonstrate how Volvo Cars’ investment in a new systems engineering architecture is critical to achieving this goal.

Carlsson is a senior advisor to Volvo Cars in the area of Virtual Manufacturing and PLM. In this role he is responsible for the Volvo Cars lead time reduction project within Manufacturing. He has been using and implementing Virtual Manufacturing solutions at Volvo Cars and within the BMW Group for over
CIMdata PLM Industry Summary

25 years.
PLM Road Map 2014 is the must-attend event for industry executives and PLM practitioners globally—providing independent education and a collaborative networking environment where ideas, trends, experiences, and relationships critical to the industry germinate and take root. It is a strategic conference focused on how companies are successfully employing PLM strategies and enabling solutions to meet challenging product development, manufacturing, and deployment issues. This year’s event will focus on PLM-enabled continuous product development and delivery for the automotive and transportation Industry and supply chain.


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, www.CIMdata.com; follow us on Twitter at 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.

Acquisitions

FARO Announces Acquisition of The CAD Zone, Inc. to Expand Presence in the Law Enforcement Products and Services Market

30 July 2014

FARO Technologies, Inc. announced it has acquired The CAD Zone, Inc., a software provider in the law enforcement accident and crime scene reconstruction market. CAD Zone's point cloud software application will be integrated with FARO's laser scanning technology to provide turnkey solutions for crime scene and other forensic applications.

FARO's continued push into the $8.3 billion law enforcement forensic technologies market supports its implementation of a long-term strategy of expansion into key vertical markets with its disruptive 3D metrology, imaging and realization products.

"We believe CAD Zone's leading software solutions for law enforcement will provide FARO with a compelling integrated 3D documentation product offering," stated Jay Freeland, FARO's President and CEO. "This acquisition is an important part of our strategic focus on penetrating key vertical markets
that offer FARO the most market potential. While law enforcement is a relatively small vertical market for FARO today, we believe it represents a significant opportunity for the right 3D documentation solution and our acquisition of CAD Zone takes a major step forward in creating that offering.

Company News

3DRV: Driven by Design Road Tour Takes Nationwide Pulse on 3D Technologies
28 July 2014

After two months on the road, the 3DRV: Driven by Design road tour has begun to uncover the variety of ways that companies and individuals are using 3D design, reality capture, and fabrication technologies to shape the world around them.

TJ McCue, host of the 3DRV tour and author, is also raising awareness about 3D and educating the public on how to take advantage of these technologies, many of which are free or available at a very low cost.

“From consumers to business owners, people find 3D (scanning, printing, design) fascinating, and sometimes perplexing. When we start to talk about it, they are always curious, engaged, and most are genuinely interested to learn more,” said McCue.

The 3DRV road tour—which kicked off on May 16th, 2014, and is sponsored by Autodesk, Inc., HP, NVIDIA, Stratasys, FARO and Jayco—will make more than 100 scheduled stops across the United States over the course of eight months. A sampling of stops from the first leg of the journey reveals the diverse use of 3D technologies throughout the country such as Maker Faire, building a lunar lander and 3D printing in space, modeling for clean air in operating rooms; personal manufacturing with Monkey Likes Shiny and laser scanning a Starbucks; free 3D design apps and 3D printing used by artists, and 3D design and simulation to improve bridges and roads.

"There’s innovation happening in all corners of the country that can shed light on where the future of making things is headed,” said Amar Hanspal, senior vice president at Autodesk. “This tour is right in line with our aim to help everyone design and make anything they can imagine.”

In 69 days, McCue has racked up 4,627 miles, 32 stops, 207 cups of coffee and 33 blog posts. “There is a strong pulse out there, for sure. A pulse that quickens when someone senses that we’re on the cusp of a real revolution in making and that it is open to them. From government agencies to business owners, people find 3D in all its forms—scanning, printing, design—a fascinating area to embrace,” added McCue. “After six weeks on the road, it’s clear that ‘manufacturing’ is no longer limited to factories or traditional industrial settings. Today’s affordable and accessible technology enables anyone to be his or her own designer and manufacturer.”

For a condensed summary, check out TJ McCue’s observations from the road in Lessons From The Roadtrip: Update One Follow along at www.3drv.com and #3DRV, and see ongoing posts from the road here.

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CD-adapco today announced the successful completion of its development project targeting the automotive and lithium ion battery industries, enabling faster design and development of advanced electric drive vehicle power systems. This project, which began in August 2011, is co-funded by the Vehicle Technologies Office in the U.S. Department of Energy (DOE) and managed by DOE's National Renewable Energy Laboratory (NREL). This project is part of the competitive Computer Aided Engineering of electric drive Batteries (CAEBAT) activity launched by DOE in 2010. The initial award of the project was reported on July 7th, 2011 and the project team included CD-adapco, Battery Design Inc, Johnson Controls Inc and A123.

The methods developed within this program are now available within CD-adapco's flagship product STAR-CCM+ and also in the application specific tool, Battery Design Studio. These solutions provide seamless integration between electrochemists and thermal engineers within the battery design process. Through linking the flow, thermal and electrochemical simulations into one environment, a highly accurate solution can be obtained. The models also span multiple computational domains from systems models to highly resolved complex 3D models. The image below shows an example of both the thermal and electrochemical results produced for a 12-cell module.

Johnson Control's Director of Controls & Modelling Brian Sisk commented, "We are pleased to have worked with our partners on the Department of Energy's CAEBAT project. CAEBAT has provided us with world-class capabilities to model the performance and safety of Lithium-ion batteries. These technologies have helped us design innovative battery systems and enable new fuel-saving technologies for vehicles."

Ahmad Pesaran, Energy Storage Group Manager in NREL's Transportation and Hydrogen Systems Center, added "Continued progress developing and linking physics based models of batteries allows developers and designers to better understand the internal behavior of batteries in electric drive vehicles and explore new designs in a virtual environment, reducing the number of prototypes and tests required by a traditional build-break design cycle. The outcome of this project is expected to enable scientists and engineers to further improve the performance, cost, and lifetime of advanced lithium ion batteries in support of the DOE's EV Everywhere Grand Challenge."

Altair recently acquired EM Software & Systems - S.A., makers of FEKO® electromagnetic field analysis software. FEKO is now becoming part of Altair's computer-aided engineering (CAE) suite HyperWorks®. With this move, Altair gains a local presence in South Africa with tremendous depth of industry expertise. Personnel in Stellenbosch will be responsible for all Altair sales and support activities in the region.

Altair's technology allows businesses to create superior, market-leading products efficiently and cost
effectively. Apart from several modeling and visualization products, HyperWorks offers analysis and optimization for structural analysis and lightweight design, computational fluid dynamics, multi-body system performance, manufacturing process simulations for metal and polymer extrusion, sheet metal forming simulation, and more.

"Altair's flexible software licensing model replaces traditional licensing plans with a pay-per-use system, which means that users can use multiple applications for a unit-based flat rate rather than paying for each license," explains Gronum Smith, newly appointed country manager for Altair South Africa. "This approach leads to higher software utilisation, making companies more productive while reducing costs and resulting in a higher return on investment."

HyperWorks users also have access to a broad range of complementary product offerings from independent software vendors through the Altair Partner Alliance. Software covering areas such as composite modeling, plastic injection molding as well as project- and complexity management, durability, fatigue, noise, vibration and harshness are just some of the solutions available.

"We are very excited to offer local sales and technical support to existing Altair customers in South Africa, and are convinced that there will be many opportunities for new business in the region," comments Dr. Detlef Schneider, Senior Vice President of Europe, the Middle East and Africa at Altair. Executives from the company are in South Africa this week to attend the launch functions in Pretoria and Stellenbosch. For more information, please visit http://www.feko.info/about-us/events.

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**Autodesk and System Insights Partner to Deliver Joint Solution for Optimizing Manufacturing Processes**

28 July 2014

System Insights has teamed with Autodesk to deliver a joint solution based on VIMANA by System Insights and Process Analysis 360 from Autodesk. Both companies will exhibit IMTS in September to demonstrate the new capability.

Often factory planned and actual manufacturing processes fail to match plant personnel. Frequently industrial companies lack the capabilities to effectively change manufacturing processes for optimum performance. The solution combines Use Process Analysis 360 by Autodesk for planning and improved processes based on historical and real-time manufacturing analytics provided by VIMANA.

The combination of these two powerful solutions can be seen at: http://processanalysisvimana.autodesk.com/.

Ryan McMahon, Senior Product Manager at Autodesk stated, “Marrying VIMANA with Process Analysis 360 provides an exciting new set of capabilities to our customers. Comparing planned to actual production processes is critical to optimizing manufacturing and helps companies dramatically improve the accuracy of their planning.”

Dr. Athulan Vijayraghavan, CTO and Co-Founder of System Insights shared, “We are very excited to work with Autodesk in launching the next generation of Digital Manufacturing technology for the shop floor. The combined capabilities of VIMANA and PA360 will enable our customers to identify and implement the most effective improvements to maximize shop floor productivity, improve asset
utilization, and reduce conversion costs.

CD-adapco helps Advance the Use of Simulation in Medical Device Industry
29 July 2014

CD-adapco™ today announced its renewed membership with the Medical Device Innovation Consortium (MDIC), the first public-private partnership focused exclusively on the unique needs of the medical device community. MDIC made tremendous progress in the first year by bringing together the key players in the field of Computational Modeling and Simulation (CM&S). This momentum will drive collaborations between industry, academics, non-profits and regulatory agencies. This allows CD-adapco to demonstrate the power of its CM&S tools in the support of benchtop testing and clinical trials, and to further develop its capabilities to serve this emerging market.

A 501(c)(3) nonprofit, MDIC is designed to create a collaborative environment where industry, government, non-profits and other experts can work together to advance pre-competitive medical device innovation. MDIC focuses on regulatory science: the tools, standards, and approaches that are used to assess a product’s safety, effectiveness, and performance. By fostering breakthroughs in regulatory science, MDIC aims not only to improve how medical devices are developed and evaluated, but also to reduce the time and cost of bringing new devices to market.

Advancing the use of simulation in the medical device industry is a key priority for MDIC. Simulation technology has the potential to revolutionize the field, enabling manufacturers and regulators to develop and test medical devices more quickly, with greater confidence, and at lower cost—giving patients faster, safer access to innovative, high-quality treatments. CD-adapco is proud to bring its expertise and resources to the table in this important work.

Centric Software Expands Into Asia with Product Lifecycle Management
1 August 2014

Centric Software, Inc., will open its first Asian office today in Shanghai. The office will be the fifth overseas location for Centric. Other offices are situated throughout Europe, in locations with large concentrations of consumer product brands and retailers. “Looking at the world market, China represents one of the biggest opportunities in the apparel and consumer products market, with both brands and retailers,” says Chris Groves, Centric’s president and CEO. “Centric has a tremendous amount to offer these companies as they grow and expand internationally. The time is now for PLM adoption, and specifically for adoption of flexible, configurable software like the Centric 8 PLM solution.”

The announcement of the Shanghai office opening comes on the heels of Centric’s July 29 announcement of $24 million in growth capital as part of its Series D venture capital financing. One of
the primary goals of the financing round was to help Centric expand its presence in the China market, according to Groves. “As the Chinese consumer product market expands and becomes more sophisticated and complex, so, too, are companies’ business processes,” he explains. “The market is ripe for PLM’s efficiency, business benefits and ability to manage market complexities.”

Fung Capital USA and Silver Lake Waterman led Centric’s Series D financing round. Fung Capital USA is the investment arm of the Hong Kong-based Fung family, whose holdings include Li & Fung Limited, a public company that sources and distributes consumer products globally with more than $20 billion in revenues. Silver Lake Waterman is the growth capital arm of Silver Lake, the global leader in technology investing. Prior investors Oak Investment Partners and Masthead Partners also participated in the financing round.

Centric already is working in China. The Sak, which designs and manufactures texture-rich handbags, footwear, and accessories, is implementing the Centric 8 PLM solution with its product development team in China. Cache Cache China, which offers modern, fashionable and accessible women’s ready-to-wear apparel, is implementing Centric 8 across all of its product lines.

Because Centric 8 comes ready for configuration, out of the box, companies need not spend valuable resources on customization of the software, says Groves. “The Agile Deployment(SM) concept with which Centric 8 works will give Chinese companies the ability to configure for their processes and needs,” he states. “Centric can flex with businesses as they adapt to new business processes.”

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**GibbsCAM Supports ISO 13399 and Integrates Adveon™ Tool Library**

29 July 2014

Cimatron Limited announced today that Gibbs and Associates has developed a partnership with Sandvik Coromant to integrate the Adveon™ Tool Library application. Adveon has been developed in compliance with ISO 13399, which defines cutting tool data representation and exchange. ISO 13399 allows the accurate exchange of tooling data among computer aided applications that support and adhere to the standard, including CAD, CAM, CAE, PDM, PLM and tool management systems. Gibbs and Associates will begin marketing Adveon integrated with GibbsCAM immediately, and begin shipping it with the GibbsCAM 2015 release. Adveon will initially support milling tools, and incorporate turning tools when the data becomes available. GibbsCAM users with current software maintenance will receive Adveon free of charge. Gibbs will demonstrate Adveon at IMTS 2014, September 8-13, at McCormick Place in Chicago, Booth E-3310.

Adveon for GibbsCAM allows users to develop their own tool library, selecting from tools they use daily. While having all tooling data at users' fingertips provides them a greater understanding of available tooling choices, having an overview of available tooling provides them flexibility in selecting and maintaining the assortment of tools in the library. The ISO 13399 cutting tool data representation and exchange standard lets GibbsCAM users work with tools from any supplier and assures accuracy of geometric information. Users can quickly and easily create tool assemblies, see immediate representations in 2D and 3D, and use them for simulation with GibbsCAM's integrated Cut Part Rendering and Machine Simulation.

The Adveon Tool Library provides three inter-related functions. First, a specially formatted library
(based upon ISO 13319) allows customers to download or enter data for tooling items, including tool holders, adapters, cutting tools and inserts, to create a master catalog. A second function enables users to collect and categorize the various tooling items they use, while the third allows them to quickly and easily create tool assemblies from these components. Applications which support the standard, can then access the cutting tool assemblies without further searching or definition.

"We applaud Sandvik's leadership and initiative in implementing ISO 13399 with Adveon, and look forward to our partnership in delivering a great time-saving solution to manufacturers everywhere," said Robb Weinstein, Senior Vice President of Sales and Strategic Planning of Gibbs and Associates. "Adveon is a perfect fit with GibbsCAM, which has the inherent ability to associate specific tools with machining processes and the parts and part features the tools cut, to facilitate fast CNC programming and even faster engineering changes."

Singletree Technologies has announced that it has teamed with Pure PLM to sell and implement its Intellimas software in the Australia and New Zealand markets. Pure PLM is a leading integrator of PLM systems and has had great success implementing a variety of applications in the region. Intellimas is a data management application that eliminates inefficient functions in legacy systems and reduces an organization’s dependence on spreadsheets for core business functions. The application is configured from the ground up to help manage processes such as Sample Tracking, Product Costing, Vendor Compliance, Product Testing, WIP Tracking, and Quality Assurance. The software can bolt on to just about any PLM, ERP, SCM, RMS, or CRM system, or operate independently.

“We met the principals of Pure PLM at a conference and we could tell right away that they understood the PLM market and how our Intellimas software can help that market,” said Shane Walters, CTO of Singletree Technologies. “We align with partners who have the same vision as us, with high integrity and a strong reputation with their clients. Pure PLM fits that bill.”

“We were immediately struck with the high degree of flexibility and configurability of Intellimas,” said Robyn Lloyd, Managing Director of Pure PLM. “We feel strongly that the application will be a great fit for many companies in the market we serve.”

Stratasys Asia Pacific, a subsidiary of Stratasys Ltd., is pleased to announce the opening of 3D Printing
Experience Centre at its new office located in Toa Payoh, Singapore, providing local support to serve the growing needs in South Asia and Pacific region. The establishment signifies Stratasys’ commitment to the region, offering accessible 3D printing solutions to the market.

The new 3D Printing Experience Centre was inaugurated on 30 July, 2014 at an exclusive grand opening event with customers, channel partners and alliance partners in attendance. Mr. Chang Chin Nam, Executive Director of Precision Engineering at the Singapore Economic Development Board (EDB), will be the Guest of Honour officiating the opening ceremony. “Singapore’s manufacturing industry needs to master disruptive technologies like additive manufacturing to strengthen its global competitiveness. The EDB will work with companies to acquire additive manufacturing capabilities to develop innovative value-added products and to build an additive manufacturing ecosystem in Singapore,” said Mr. Chang.

The Centre features Stratasys’ cutting-edge 3D printing technologies – PolyJet and Fused Deposition Modeling (FDM), showcasing the full product portfolio ranging from desktop 3D printers to large, advanced 3D production systems, thus enabling designers and engineers to create models and prototypes for new product design and testing and to build finished goods in low volume. The Centre also exhibits Stratasys’ specially engineered 3D printing materials - PolyJet photopolymers and FDM thermoplastics, the most comprehensive 3D printing materials available in the industry.

“The 3D Printing Experience Centre reflects our confidence in the South Asia & Pacific region,” Ido Eylon, General Manager, South Asia, at Stratasys AP Ltd, commented. “As a leading 3D printing industry player, Stratasys recognizes the importance of implementing a global strategy in local context. Establishing a demo centre locally allows our customers to see our innovative technologies in action and realise the values and advantages of 3D printing technology. This is well aligned with our corporate vision to make 3D printing more accessible and to help customers revolutionise their product design and manufacturing processes.”

Surfcam Appoints FS Soluções Tecnológicas Ltda. ME as Brazilian Reseller
30 July 2014

“We are pleased to welcome FS Soluções Tecnológicas into the growing worldwide SURFCAM Reseller network”, say Surfcam General Manager Peter Marton. “As a complete solutions provider, relationships with CNC machine tool distributors and a diverse customer base ranging from job shops to leading machining companies, FS Soluções Tecnológicas Ltda. ME was a natural choice in representing SURFCAM in Brazil”.

“SURFCAM is the right fit into our Vero Software product portfolio”, says Sidnei Fraga of FS Soluções Tecnológicas. “The addition of SURFCAM will enable greater diversity in the type of CAD/CAM solutions we can now provide to our customers and the Brazilian machining market”.

Click here to return to Contents
Trimble announced today that it is establishing a global network of distribution partners to serve the needs of the building construction industry. The growing BuildingPoint™ network will provide focused sales and services with a portfolio of software and hardware solutions for the Design-Build-Operate (DBO) lifecycle of buildings.

Trimble Buildings' solutions allow users to create and transfer constructible models throughout the DBO lifecycle—from concept and design to the field and back to the office again. The solutions utilize sensors, 3D positioning, data, Building Information Modeling (BIM), communications and analytics. The emergence of these technologies, along with the ability to integrate them within a comprehensive information architecture, provides an unprecedented capability to improve productivity, schedule adherence and cost discipline. Trimble's expanded information architecture enables these improvements by significantly improving project transparency and collaboration, which leads to much tighter integration of the elements of building design, building construction and post-completion building operation.

BuildingPoint will provide the primary vehicle for bringing Trimble's DBO solutions to the market. Experienced construction professionals in each regional BuildingPoint will support users in achieving the optimal construction technology solution for each project. This support will consist of a combination of hardware and software, consulting, virtual design and construction services, personalized training and technical support.

"In today's complex and competitive construction environment, professionals need the right tools and technologies for the job," said Bryn Fosburgh, vice president responsible for Trimble's Construction Technology Divisions. "BuildingPoint is a global initiative specifically created to make it easier for building contractors and other construction stakeholders to identify and implement the most appropriate solutions to improve efficiency, manage costs, and provide better deliverables to their clients."

With the first three BuildingPoints already in place, Trimble is establishing a network of BuildingPoint distribution partners in the Americas, Europe and Asia/Pacific regions. Existing BuildingPoints include:

- **BuildingPoint Midwest**: BuildingPoint Midwest evolved from the Trimble building construction dealer, Precision Midwest. Based in Aurora Ill., BuildingPoint Midwest focuses on Trimble Buildings' solutions for contractors and construction managers throughout Illinois, Wisconsin and Michigan. [www.buildingpointmidwest.com](http://www.buildingpointmidwest.com)

- **BuildingPoint Schweiz**: BuildingPoint Schweiz was established by the owners of long-term Trimble business partner—Allnav AG. Based near Zurich, Switzerland, BuildingPoint Schweiz focuses on Trimble Buildings' solutions for contractors and construction managers throughout Switzerland and Liechtenstein. [www.buildingpoint.ch](http://www.buildingpoint.ch)

- **BuildingPoint Texas**: BuildingPoint Texas was formed from two dealers: the building construction field solution business of Martin Instrument and the Prolog® project management business of Project 3 Technologies. With offices planned in Dallas and Austin, BuildingPoint Texas serves contractors and construction managers in Texas and Oklahoma. [www.buildingpointtexas.com](http://www.buildingpointtexas.com)
Zuken Congratulates Novacad on fifth European CADSTAR Distributor of the Year Award
29 July 2014

Zuken announces that French CADSTAR distributor Novacad has achieved the highest European sales, winning Zuken’s European CADSTAR Distributor of the Year Award for 2013-14. CADSTAR is Zuken’s industry-leading desktop PCB design software.

Philippe Biran, Novacad Manager said: “We were successful this year in two very different markets. Entry level CADSTAR Lite offers full CADSTAR functionality at a lower cost for those working on designs with fewer than 2,000 pins. This is attractive for the many smaller companies we support. With CADSTAR Kynetic we have a high-functionality solution for high-speed designs.”

Jeroen Leinders, CADSTAR Worldwide Sales Manager said, “The Novacad team has achieved consistent results throughout the year, so this award is well-deserved. Novacad focuses on responsive, locally-based customer service and has strong technical resources. This explains why they have a high level of repeat business.”

Biran reports that in the past few years many companies are reducing their European operations and therefore cutting back on software renewal and maintenance. However, France is seeing a technology upsurge in the shape of many dynamic small and medium enterprises working on cutting-edge products in sectors such as medical, defense, space, and automotive.

Events News

Come and see TopSolid’Wood at IWF 2014
28 July 2014

The International Woodworking Fair® is the trade show where furniture manufacturing, cabinetry, architectural woodworking, material processing and other related industry professionals from all over the globe will come to find products they didn’t know existed that will help their company succeed.

The 2014 edition will be held in Atlanta from August 20th to 23rd and Missler Software will present live demos on booth #4222.

The French software developer will exhibit TopSolid’Wood, its integrated CAD/CAM software solution.

Here are some of TopSolid’Wood new functionalities which will be showcased at the event:

- A fully integrated CAD/CAM nesting system for interior design.
- A true 3D modeling system, ideal for complex custom designs including curves.
- A customizable user interface.
Missler Software reinforces its presence in the American market and establishes a WOOD division. A successful TopSolid’Wood Camp took place in Charlotte, NC, in June, presenting to the end users the new features of the 2014 version of TopSolid’Wood and focusing on the fundamentals of the software. In September, 2 new team members will join Missler Software Inc. in Chicago. Arnaud de Boisboissel will be the manager of the American Business Unit. He will be in charge of developing TopSolid in North American markets. Olivier Esposito will be dedicated to the wood industry as an expert application engineer. Arnaud de Boisboissel explains that as the METAL division was set up 2 years ago to better address the market potential and bring services and support to customers, the goal of the WOOD division is to accelerate the market penetration, build a professional network of partners and guarantee a strong support to customers. “Thanks to the expertise and experience developed for years in North America with customers and partners, I am convinced TopSolid meets the needs of wood customers and contributes to grow their businesses” says Arnaud de Boisboissel.

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Delcam’s new FeatureCAM CAM System to be launched at IMTS
1 August 2014

Delcam will launch the 2015 version of its FeatureCAM CAM system at IMTS 2014 in Chicago from 8th to 13th September on booth E3222, the largest CAM software booth at the show. FeatureCAM 2015 includes a range of enhancements in three-axis milling, two-axis and five-axis drilling, turning and turn-mill, and wire EDM to make the software even more powerful and easier to use. 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. In FeatureCAM 2015, programming of complex parts has been made easier and more reliable with the addition of automatic collision checking of the tool shank and holder, as well as the cutter, for both three-axis roughing and finishing toolpaths. The user has the choice of either stopping the simulation immediately when a gouge is detected or of running the complete toolpath with any gouges being highlighted on the model as they are detected. The toolpath can then be recalculated with any segments that will cause a gouge clipped away. Removing these segments of the toolpath will leave an area of unmachined stock that will need to be removed with a longer tool. This extra toolpath can be calculated using a stock model of material remaining after the shorter tool has been used to ensure there is no re-machining of stock that has already been removed. As part of this development, an additional function, called ‘maximum machine stock’, has been added that removes direct moves where clipping has occurred. These direct moves can leave witness marks on the part so their removal improves surface finish.
Another improvement in three-axis machining allows stock models to be used in conjunction with other geometry, such as the part surface dimensions, solid models, the stock dimensions and boundary curves. This addition gives better control over the area to be machined by each toolpath and so gives more efficient machining by allowing the user to confine toolpaths to specific regions and to minimise air-cutting by referencing the stock model.

Five-axis programming of multiple holes has also been made easier in FeatureCAM 2015. It is now possible to create patterns of holes of a similar size with regular positioning. Any subsequent changes to the program can then be made for all the holes in the pattern in one operation, rather than having to edit the toolpaths separately for each individual hole.

A series of improvements have been introduced to make turning with FeatureCAM more efficient. The software now produces toolpaths that rapid up and over previously machined diameters, rather than feeding along them. This reduces the overall cycle time and avoids dragging of the tool.

‘Pinch and follow’ turning can now be chosen when machining components using the ‘face’ or ‘back-face’ cycles. Using this method gives better results since having the tools cut in opposing directions to each other means that the cutting forces are better balanced.

Two additions have been made that allow FeatureCAM to provide programs for a wider range of turning and turn-mill machine tools. Firstly, support has been added for the use of travelling steady rests to give increased flexibility when turning very long parts. Secondly, FeatureCAM 2015 has the ability to manage multiple part-catchers on turn-mill equipment. Machines with multiple part-catchers include the Nakamura WT-150, NTJX and NTMX, all of which have part-catchers for the main spindle and a separate part-gripper for the sub-spindle.

FeatureCAM 2015 also provides full-machine simulation and post-processing for the rotating sub-spindle on the Mori Seiki NTX1000 turn-mill equipment. The user has full control over the angle of the sub-spindle, with the software inserting automatically an operation on each channel so that the lower turret is positioned correctly prior to the movement of the sub-spindle.

For users of wire EDM, FeatureCAM 2015 provides an expanded wire-cut database to support multiple machines with varying formats and methods of operation, with the ability to specify nozzle type and fluid type as well as material type and thickness, wire type and diameter, and EDM machine. This gives more flexibility by providing the option to store and apply a greater variety of different parameters.

Finally, FeatureCAM 2015 allows easier programming of families of parts. Working with the part library, the software matches the names of features within the part library with user-created curves relating to those features. This makes the programming of subsequent parts in the family much easier and faster.
and Fused Deposition Modeling (FDM) technologies.

Attendees can expect to hear from industry experts on how 3D printing has revolutionized manufacturing and receive free advanced training. The FISHER UNITECH rapid technology team will present on several new ways that 3D printing is being used in tooling and industrial automation including injection molding and metal casting applications. Guest speaker Michael Wegman from Stratasys Corp. will give attendees insight on the Stratasys business strategy and advances in materials science that are driving new uses for additive manufacturing.

"3D printing is entering an exciting new phase for manufacturing due to advances in our build envelopes and new materials. We are looking forward to joining FISHER UNITECH at Automation Alley to share our insights on these advances," said Michael Wegman from Stratasys Corp.

"We are excited to share our expertise in 3D printing applications with the Automation Alley community," said Charlie Hess, President at FISHER UNITECH. "In addition, we are pleased to have Michael Wegman present the Stratasys strategy for additive manufacturing. It will be a productive event for those interested in applying 3D printing to their product development process."

The 3D Printing Tech Update is complimentary and all are welcomed to attend. Registration is required. For more information, registration and the complete agenda, please visit http://www.funtech.com/Events/3D-Printing-Technology-Update.

ICAM to Launch CAM-POST FOUNDATION at IMTS 2014
28 July 2014

ICAM Technologies Corporation (ICAM) is pleased to announce that it will launch CAM-POST FOUNDATION at IMTS 2014 (booth E-3217).

CAM-POST FOUNDATION is an entry-level 2/3 axis NC post-processor development software that can be easily upgraded to more advanced ICAM products that support multi-axis machining applications and other advanced technologies such as mill-turns, waterjets and wire EDMs.

Available under a monthly lease, CAM-POST FOUNDATION allows users to create unlimited 2-axis lathe and 3-axis mill post-processors behind popular CAD/CAM systems such as CATIA, Mastercam and NX.

Manufacturers can now take control of their manufacturing environment by easily and quickly creating, modifying and managing their own 2/3 axis post-processors without relying on third-party products and services.

CAM-POST FOUNDATION includes 50 metric and 50 imperial controller-based post-processors that are ready to execute inside CATIA, Mastercam and/or NX. All these post-processors can be edited to add specific machine tool functions (spindle speed, block numbering, coolant start, program header preferences, etc.) These post-processors can also be used as templates to create completely new controller-based post-processors in addition to the library provided in CAM-POST FOUNDATION.

As a standard feature, CAM-POST FOUNDATION includes a unique "point-and-click" Wizard that allows even the most novice users to generate advanced post-processors quickly and effectively. The Wizard easily guides users through all the various steps involved to create post-processors by using
illustrated sets of instructions, which provide an intuitive graphical interface for effortless definition of machine kinematics, axis sign conventions, travel limitations and rotary pivot distance offsets.

"CAM-POST FOUNDATION is a great product for manufacturers that have 2 and 3 axis machines and are tired of relying on vendors to create and tweak their posts," said Brian Francis, ICAM's Director of R&D. "Users can also trade-in FOUNDATION to upgrade to more advance ICAM multi-axis development tools as the need arises."

JAMCO and Murata Manufacturing to Present at Aras ACE 2014 Japan in Tokyo
1 August 2014


ACE 2014 Japan
Free to Attend - No Fee (Space is Limited - Registration Required)
Details and Registration: http://aras.com/plm/002515

Expanded to two locations, Tokyo and Osaka, ACE 2014 Japan provides attendees an opportunity to learn about next generation product lifecycle management and collaborate on PLM best practices for addressing the complex challenges of global product development. Attendees will see and learn how leading companies around the world have transformed their business processes with Aras, network with peers who are working on advanced PLM initiatives, and meet with Aras staff and partners.

The theme of the conference is RIGHT NOW emphasizing the many things global enterprises can do with Aras and Aras Innovator “right now”, and the impact Aras PLM can have on the business “right now”. Aras CEO and Founder, Peter Schroer will deliver the keynote address live in both Tokyo and Osaka. Agenda, additional speakers, conference details and Free Registration at:
http://aras.com/plm/002515

NAFEMS World Congress 2015 - San Diego, USA: A World of Engineering Simulation
29 July 2014

NAFEMS, the International Association for the Engineering Analysis Community, will hold its 2015 World Congress in San Diego, USA, incorporating the 2nd International Simulation Process and Data Management Conference, from June 21st-24th 2015.

The biennial congress will bring together the leading visionaries, developers, and practitioners of CAE-related technologies and business processes to share relevant trends and roadmaps, explore common themes, and address these issues in an open forum. The aim of the congress is to provide attendees with
perceptive content and perspective on the best way to position their organisations to realize the full potential of CAE both now and in the future.

The Congress will also host the 2nd International Conference on Simulation Process and Data Management. This ground-breaking conference will bring together industrial users, technology experts, academics and software vendors alike, allowing all those with an interest to take part in the only truly independent, international forum dedicated to SPDM. Attendees, speakers and exhibitors have free access to both events under one registration.

Call for Papers

The NAFEMS World Congress attendees are the very people who work at the sharp-end of engineering analysis and simulation, their managers and executive teams. "We're delighted to be taking the NAFEMS World Congress to San Diego next year", commented David Quinn, Head of Global Marketing and Communications at NAFEMS. "The Congress has cemented its position as the leading independent, international event for simulation and analysis, welcoming attendees from every related industry around the globe to share their experiences and hear about the cutting-edge of the technology with a group of their peers which is unmatched at any other conference."

Attendees come from around the globe to take part in the event, from every industry involved in engineering simulation and analysis and SPDM - making it the best platform to showcase how simulation is used in your organization.

"We are sure that the 2015 event will be bigger and better than ever", added Roger Oswald, Congress Manager. "The Congress, and co-located SPDM Conference, will enable NAFEMS to reach as many individuals within the community as possible, which as a non-profit membership association is one of our major goals."

Submission of Papers

The Congress will cover a wide range of topics, addressing every aspect of engineering simulation in a packed three-day programme. Papers are invited on all topics relating to simulation and analysis, FEA, CFD, MBS, SPDM and Multiphysics. NAFEMS invites papers from any area in simulation including, but not limited to, the areas listed on our NWC15 webpage www.nafems.org/congress.

OPEN MIND at IMTS 2014 in Chicago

30 July 2014

OPEN MIND Technologies AG will be exhibiting at the International Manufacturing Technology Show (IMTS) in Chicago, USA, from September 8 - 13, 2014. OPEN MIND will present its hyperMILL® 2014 CAM suite at Booth E3351. New features include advanced machining strategies in the areas of 5axis drilling and roughing, plus a deformation tool in hyperCAD®-S, OPEN MIND’s native CAD option.

Drilling in workplanes – this current hyperMILL® extension makes 5axis drilling much easier and safer. Instead of using global clearance planes, holes drilled in the same direction are now combined and defined via workplanes. The relative clearance planes of the infeed movements are then calculated automatically for the different planes. All the holes of a clearance plane form a job step.

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Rework machining

5axis rework machining has also been further optimised. When converting from 3axis toolpaths to 5axis toolpaths, different tool types, such as barrel and woodruff cutters, can now be used. There are also new strategies for adjusting the tool to the machining model. The function can also be used for the hyperMAXX® high-performance cutting module.

CAD deformations

hyperCAD®-S, the CAD system for CAM programmers, has been supplemented with the ‘Deformation’ module for the customised deforming of geometries. This powerful modification tool allows the global or local modification of component areas, which is otherwise only possible with elaborate modelling techniques.

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Speakers Announces for the 2014 FLOW-3D Americas Users Conference
31 July 2014

Flow Science has announced the speakers for its 2014 FLOW-3D Americas Users Conference, to be held on September 9-10 at the Courtyard Marriott Downtown Toronto, in Toronto, ON, Canada. FLOW-3D users, from both the commercial sector and research arena, will present and discuss their work, including topics such as modeling bioreactors, simulating erosion control, predicting dam break failure and solving manufacturing issues using CFD software. A diverse lineup of speakers includes GM Corp, Ontario Power Generation, Tetra Tech, W.F. Baird & Associates, KODACO and a variety of leading research institutions. Go here for a full list of speakers and their topics.

This year’s conference will begin with a general session featuring comprehensive development talks for both the FLOW-3D solver and graphical users interface, presented by Michael Barkhudarov, VP of R&D and John Ditter, VP of Software Engineering at Flow Science. In addition, a special development talk will focus on the advanced meshing capabilities of the software.

Advanced training for the use of FLOW-3D in the water & environmental industry will be held Monday, September 9. Training topics include the all new Sediment Scour model in FLOW-3D v11, hybrid 3-D/2-D shallow-water modeling for large domains, and efficient model and project workflows for hydraulics problems. The training will also provide hints and tips for using FlowSight™, FLOW-3D’s new post-processing and visualization tool.

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Financial News

3D Systems Reports Second Quarter and Six Months 2014 Financial Results
31 July 2014

3D Systems Corporation announced today that its second quarter revenue grew $30.7 million, or 25%,
from the prior year to $151.5 million on strong demand for its design and manufacturing printers, materials and services, resulting in second quarter GAAP earnings of $0.02 per share and non-GAAP earnings of $0.16 per share.

Organic growth amounted to 10% as additional orders-in-hand, including $23.1 million of printer orders, a 29% sequential increase over the March backlog for printers, expanded the company’s second quarter total backlog to a record $31.9 million.

“We are pleased that unit sales of our design and manufacturing printers increased 126% and helped fuel a 30% increase in materials revenue. We believe that the record order book that we exited the quarter with reflects the vibrancy of our business and our organic growth trajectory,” said Avi Reichental, 3DS’ President and Chief Executive Officer.

Second Quarter 2014 Revenue Highlights (compared to second quarter 2013):

- Design and manufacturing revenue increased 28% to $144.2 million on a 126% increase in units sold.
- Growing installed base and increased printer utilization fueled materials revenue growth of 30%.
- Expanding services menu contributed to a 38% increase in services revenue.
- Delayed new products availability held consumer revenue to $7.4 million, but didn’t impede higher consumer bookings of an additional $7.7 million.
- Healthcare revenue increased 46% to $27.5 million from expanding services and capabilities.

Gross profit margin shouldered the transitional effects of concentrated new product launches as well as the absorption of legacy products obsolescence and manufacturing expansion costs. Together, these factors and changed mix compressed gross profit margin some 400 basis points from the prior year’s quarter to 47.8%.

“While transitional forces temporarily pressured our gross profit margin, a detailed examination of the specific drivers, confirms that the fundamentals of our business are intact and our gross profit margins are poised to rebound and resume their expansion trajectory,” continued Reichental.

The company effectively kept its operating expenses flat, on a sequential basis, even with continued investments in R&D, sales, marketing and manufacturing capacity. The company generated $19.0 million of cash from operations during the second quarter as returns on its recent investments began to materialize and enterprise-wide integration synergies continued to accrue. The company ended the quarter with $570.3 million cash on hand, inclusive of an equity raise completed earlier in the quarter.

“As we advance our market leadership and scale in key verticals through our increased investments, our progress is ahead of schedule and our enterprise-wide synergies are already generating substantial cash from operations,” continued Reichental.

For the six months 2014, revenue grew $76.4 million, or 34%, with growth distributed broadly across all categories, to $299.3 million, resulting in GAAP earnings per share of $0.07 per share and non-GAAP earnings per share of $0.30 per share.

To view an unabridged version of this press release, visit: http://www.3dsystems.com/press-releases/3d-systems-reports-second-quarter-and-six-months-2014-financial-results
Agilent Technologies Inc. will release third-quarter fiscal 2014 financial results after the stock market closes on Aug. 14. The company will host a live webcast of its investor conference call in listen-only mode.

Date: Thursday, Aug. 14
Time: 1:30 p.m. PDT
Web access: www.investor.agilent.com

Listeners may log on and select “Q3 2014 Agilent Technologies Inc. Earnings Conference Call” in the “News & Events – Calendar of Events” section. The webcast will remain on the company site for 90 days.

In addition, a telephone replay of the conference call will be available at approximately 4:30 p.m. PDT on Aug. 14 through Aug. 21 by dialing +1 855 859 2056 (or +1 404 537 3406 from outside the United States) and entering pass code 65641706.

Arena Solutions today announced that revenue grew at nearly 25 percent for Q2 2014 and year-to-date (YTD) 2014 compared to the same period in the previous year. This rate of growth is more than four times faster than the rate of growth for PLM market as a whole.

Continued PLM innovation that enables Arena customers to take full advantage of cloud synergies drove Arena's growth. Arena's continued engineering investment in broadening the solution's footprint resulted in Arena customers enjoying the release of five new modules within the last nine months (Quality, Exchange, Demand, Projects and API). These new modules alone accounted for 44 percent of the total annual subscriptions from new customers in Q2 2014. The value proposition was once again particularly strong in the mid-enterprise segment, with average new customer annuity deal size increasing 34 percent from Q1 2014 to Q2 2014.

New customers added in Q2 2014 include:

- **Huaxia CPV Power Co.** – Joint venture with three Chinese companies to create a solar power plant in Mongolia.
- **Micropoint Bioscience** – Developer of rapid, accurate, reliable and low cost diagnostic products at the point of care.
- **Oculus VR** – Develops next-generation virtual reality headsets designed for immersive gaming and was recently purchased by Facebook for $2 billion.
- **Planet Labs** – Designs, builds and operates a network of satellites called Doves. In January 2014, the company delivered the world's largest constellation of Earth-imaging satellites, made up of 28 Doves.
• **Primus Power** – Leader in distributed, cost effective energy storage for improving electric stability and security.

• **Quanttus** – Developer of a wearable compact device and an analytics platform that could offer useful insights and guidance for the wearer. This company was started by MIT graduates to make wearable devices for the medical field.

• **Restoration Robotics** – Develops and manufactures systems transforming the field of hair transplantation. This state of the art system harvests follicular units.

• **Stem, Inc.** – Designers of a solution that protects companies from unnecessarily high electricity costs without requiring any changes to the way they run their businesses.

• **Topera** – Developer of a novel 3D analysis and mapping system to assist electrophysiologists in the identification of the electrical source of complex cardiac arrhythmias.

• **Xicato** – Developer and manufacturer of LED modules that are functional replacements for traditional lamp technologies.

"Our investment in new product development is clearly paying off," said Craig Livingston, CEO of Arena Solutions. "And not surprisingly, given how rapidly we're growing and innovating, Arena has also grown its headcount, which is now 25 percent larger than it was at the end of last year. We expect to continue hiring at a brisk pace, and, in fact, are now looking for a new headquarters for the second time in two years to ensure we have enough space to accommodate future growth in engineering, sales and marketing."

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**Atos: First half 2014 Results**

29 July 2014

Highlights:

• Strong commercial activity in Q2 with 127% book to bill ratio

• Revenue: € 4,176 million

• Operating margin: € 275 million, increased by +20bps to 6.6%

• Net income Group share: € 76 million

• Free cash flow: € 124 million

Atos today announced its results for the first half of 2014. Revenue was € 4,176 million, representing an organic evolution of -1.9% compared to the first half of 2013. Operating margin was € 274.6 million, representing 6.6% of revenue, an improvement of +20bps compared to the same period last year. The Group generated € 124 million of free cash flow in the first half of 2014. Net cash position was € 845 million at the end of June 2014 including € 628 million restricted cash for the Bull acquisition (excluding € 639 million from the Worldline IPO received in July). Order entry was € 4,360 million, representing a book to bill ratio of 104% for the first half of the year. Net income Group share was € 76 million.

Thierry Breton, Chairman and CEO of Atos said: “The first half of this year was particularly active for the Group. We started to roll out our three-year plan with the completion of the Worldline IPO and by
CIMdata PLM Industry Summary

strengthening our skills and technologies in innovative offerings through the planned acquisition of Bull. As part of the Tier One Program, we also launched numerous actions to improve our efficiency and the Group continued to improve its operating margin. As planned, in what was still a slow economic environment we significantly increased our order entry during the second quarter, notably by signing new contracts worth €500 million in June. This shows a strong commercial momentum which is expected to accelerate during the second half of the year. Over the long term, all these actions will position Atos to drive growth and deliver higher value for its stakeholders.”

To view an unabridged version of this press release, visit: http://atos.net/en-us/home/we-are/news/press-release/2014/pr-2014_07_29_01.html

Autodesk Extends Invitation to Join Financial Results Conference Call
1 August 2014

Autodesk, Inc. today announced that it will broadcast its second quarter fiscal 2015 financial results conference call live via its website Thursday, August 14, 2014 at 2:00 p.m. Pacific Time. Autodesk will host a live webcast call at www.autodesk.com/investors. An audio replay webcast and podcast will also be available after 5:00 p.m. Pacific Time on our website at www.autodesk.com/investors. For more information, please call Autodesk Investor Relations at 415-507-6705.

28 July 2014

Dassault Systèmes announces the availability to the public and the filing of its 2014 Half-Year Financial Report with the French Autorité des marchés financiers. The half-year condensed consolidated financial statements included in this report are established in accordance with the IFRS standards. This Half-Year Financial Report is available on Dassault Systèmes' website at http://www.3ds.com/investors/regulated-information/.

Hard Copies of the Half-Year Financial Report are also available upon request at Dassault Systèmes' headquarters, 10 rue Marcel Dassault -- CS 40501, 78946 Vélizy-Villacoublay cedex, France.

Centric Software adds Fung Capital, Silver Lake Waterman as Strategic Investors
29 July 2014

Centric Software, Inc. has closed on $24 million in growth capital as part of its Series D venture capital
The Series D financing was co-led by Fung Capital and Silver Lake Waterman. Fung Capital is the investment arm of the Hong Kong-based Fung family whose holdings include Li & Fung Limited, a public company that sources and distributes consumer products globally with more than $20 billion in revenues. Silver Lake Waterman is the growth capital arm of Silver Lake, the global leader in technology investing. Prior investors Oak Investment Partners and Masthead Partners also participated in the financing round.

The Centric 8 PLM suite delivers easy-to-use functionality to manage critical business processes, including product development, sourcing, business planning, quality management and collection management. Centric 8 implements and delivers value rapidly using an Agile Deployment methodology. Working with marquee brands and consumer products companies, Centric has demonstrated the highest growth and innovation in the industry as recognized by Red Herring in its Global Top 100 Private Companies List in 2013.

“We welcome the inclusion of two highly strategic partners in this financing round,” said Bandel Carano, managing partner of Oak Investment Partners. “In recent years, Centric has recorded impressive growth and won industry accolades for its groundbreaking products. This round of strategic funding, combined with the continued support of Oak Investment Partners and Masthead Partners, will power Centric’s plans for Asian expansion and an acceleration of its pace of innovation.”

“Centric has achieved a strong record of product innovation, and transformed the way retailers and brands bring products to market,” said John Seung, partner at Fung Capital USA. “The Centric solution is flexible, easy to use and increasingly adopted by companies of all sizes.”

“We are excited to partner with Centric Software,” said Shawn O’Neill, managing director and co-group head of Silver Lake Waterman. “Centric has a track record of rapid growth, an impressive customer portfolio, and is well positioned for further product innovation and market expansion.”

“Investment from such highly respected investors, combined with the sustained commitment of our existing investors, is an exciting validation of our vision and opportunities,” said Chris Groves, president and CEO of Centric. “Centric is ready for the challenges of geographic expansion and providing unmatched business value to retail, apparel and consumer goods customers globally.”

Cimatron's Second Quarter 2014 Results Release Scheduled for August 13th, 2014 before US Markets Open

31 July 2014

Cimatron Limited announced today that it will be releasing its second quarter financial results on Wednesday, August 13th, 2014, before the US markets open.

Cimatron's management will host a conference call that same day, at 9:00am EDT, 16:00 Israel time. On the call, management will review and discuss the results, and will also be available to answer questions by investors.

To participate, please call one of the following teleconferencing numbers. Please begin placing your call at least 5 minutes before the conference call commences.
Cimatron's Second Quarter 2014 Results Release Scheduled for August 13th, 2014 before US Markets Open

31 July 2014

Cimatron Limited announced today that it will be releasing its second quarter financial results on Wednesday, August 13th, 2014, before the US markets open. Cimatron's management will host a conference call that same day, at 9:00am EDT, 16:00 Israel time. On the call, management will review and discuss the results, and will also be available to answer questions by investors.

To participate, please call one of the following teleconferencing numbers. Please begin placing your call at least 5 minutes before the conference call commences.

USA: +1-866-860-9642
International: +972-3-9180664
Israel: 03-9180664

For those unable to listen to the live call, a recording of the call will be available from the day after the call under the investor relations section of Cimatron's website, at: www.cimatron.com.

Infor Q4 Fiscal Year 2014 Investor Call Details

28 July 2014

Infor today announced that materials related to the Infor investor conference call on Monday, July 28, 2014, at 11 a.m. Eastern Time, are provided on the Investors section of Infor's website. Dial-in details for the July 28th investor call are as follows:

- US/Canada Dial-in #: (800) 215-6437
- Int'l/Local Dial-In #: (706) 758-2754
- Conference ID # 76417196

A digital recording of the conference will be available for replay two hours after the call's completion. To access the recording, guests will use the Dial-In Number and the Conference ID listed below:

- Encore Dial In #: (855) 859-2056 or (404) 537-3406
OpenText Intelligent Growth Strategy Drives Record Fourth Quarter and Fiscal Year 2014 Financial Results Appoints John Doolittle Chief Financial Officer
31 July 2014

Open Text Corporation announced today its financial results for the fourth quarter and fiscal year ended June 30, 2014, and the appointment of John Doolittle as Chief Financial Officer.

Financial Highlights for Q4 FY14 (1)
- Total revenue was $494.0 million, up 42% Y/Y
- License revenue was $99.7 million, up 27% Y/Y
- Cloud services revenue was $148.9 million, up 255% Y/Y
- Customer support revenue was $183.9 million, up 12% Y/Y
- Non-GAAP-based EPS, diluted was $1.05 compared to $0.72 Y/Y, up 48%; GAAP-based EPS, diluted was $0.72 compared to $0.36 Y/Y up 100%, on a post stock-split basis.(2)
- Non-GAAP-based income from operations was $162.2 million and 33% of revenues up 58% Y/Y; GAAP-based income from operations was $107.7 million and 22% of revenues, up 118% Y/Y.(2)
- Operating cash flow was $134.9 million, up 107% Y/Y, with an ending cash balance of $427.9 million.

Financial Highlights for FY14 (1)
- Total revenue for the period was $1,624.7 million, up 19% Y/Y
- License revenue was $309.2 million, up 11% Y/Y
- Cloud services revenue was $361.1 million, up 108% Y/Y
- Customer support revenue was $707.0 million, up 7% Y/Y
- Non-GAAP-based EPS, diluted was $3.37 compared to $2.79 Y/Y, up 21%; GAAP-based EPS, diluted was $1.81 compared to $1.26 Y/Y up 44%, on a post stock-split basis.(2)
- Non-GAAP-based income from operations was $502.7 million and 31% of revenues, up 26% Y/Y; GAAP-based income from operations was $300.5 million and 18% of revenues, up 52% Y/Y.(2)
- Operating cash flow was $417.1 million, up 31% Y/Y, with an ending cash balance of $427.9 million.

"Our focus on Enterprise Information Management is well aligned to the strategic priorities of our customers. We delivered record quarterly and full fiscal year results, including full fiscal year total
revenues of $1.625 billion, up 19%, license of $309 million, up 11%, and operating cash flows of $417 million, up 31% year over year," said Mark J. Barrenechea OpenText CEO. "For Fiscal 2015, we are committed to unlocking further value, growth and leadership for our customers, partners and shareholders through focused execution utilizing our Intelligent Growth Business System (OTIGS)."

**Appoints John Doolittle as Chief Financial Officer**

Mr. Doolittle is a senior executive with more than 20 years of financial experience, including most recently as Chief Financial Officer (CFO) of Mattamy Homes Limited, Canada's largest new home builder, and with Nortel Networks Corporation, where he held senior global finance roles.

"John brings tremendous experience as a seasoned global executive," said Mark J. Barrenechea OpenText CEO. "He has the breadth of financial skills, experience and leadership to take our finance organization and our company to the next level of scale, efficiency and growth."

Commenting on his appointment, Mr. Doolittle said, "OpenText's strategy of Enterprise Information Management is placing OpenText in a winning market position. I look forward to joining Mark's world-class executive team and contributing to the company's exciting next phase of growth and execution."

Effective September 8, 2014, Mr. Doolittle will replace Paul McFeeters who previously announced his intention to retire from his position as CFO by no later than September 30, 2014. Mr. Doolittle will work with Mr. McFeeters to ensure a seamless transition of financial leadership responsibilities.

Barrenechea further added, "I would like to take this opportunity again to thank Paul McFeeters. Paul has served as our CFO for 8 years, his career spans nearly 40 years and I thank him for his extraordinary service to the company. John and Paul will work together to ensure a textbook transition."

To view an unabridged version of this press release, visit:

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**Nemetschek’s 2014 Strong Half Year Figures are Convincing**

31 July 2014

The Nemetschek Group increased its revenues in the first half of 2014 by 15.6% to EUR 102.3 million (previous year: EUR 88.5 million). On a quarterly basis, revenues rose to EUR 51.3 million, a growth of 14.6% compared to the previous year's quarter (EUR 44.8 million). Again, there was an above-average increase in earnings from operative activities compared to revenues. With a plus of 25.5%, EBITDA rose to EUR 25.6 million in the first six months of 2014 (previous year: EUR 20.4 million). The EBITDA margin improved by 2 percentage points to 25.0% (previous year: 23.0%). From a quarterly perspective, EBITDA grew in the second quarter to EUR 12.4 million, an increase of 29.2% compared to the previous year's quarter. Net income for the year (Group shares) improved considerably in the first half of 2014: at EUR 14.4 million, it was 38.8% higher than that of the previous year (EUR 10.4 million). Accordingly, the earnings per share rose from EUR 1.08 in the previous year to EUR 1.50. On a quarterly basis, net income for the year (Group shares) rose by 40.7% to EUR 6.9 million, which corresponds to an earnings per share of EUR 0.72.

**Increase in revenues at home and abroad at high level**

Domestic revenues rose by 16.4% to EUR 41.1 million in the first half of 2014 (previous year: EUR 35.3 million). Abroad it was possible to increase revenues by 15.1% to EUR 61.2 million (previous year:
Double-digit growth with software licenses and software service contracts
With a plus of 17.2%, revenues from software licenses rose to EUR 48.3 million in the first half (previous year: EUR 41.3 million). It was possible to increase revenues from software service contracts to EUR 48.5 million, a plus of 14.6% compared to the previous year (EUR 42.3 million). Double-digit growth in the two divisions ensures recurring revenues through service contracts and thriving business from new customers through licenses.

"The Nemetschek Group continued its successful development in the second quarter and was again able to considerably increase revenues and earnings. In addition to strong business in Germany, the international growth course also continued, for example, in Asia," says Patrik Heider, CFOO and Spokesman of the Executive Board of the Nemetschek Group. "We are very happy that our software licenses are back in growth mode and that we are gaining new customers," adds Heider.

To view an unabridged version of this press release, visit: http://www.nemetschek.com/fileadmin/user_upload/Veroeffentlichungen/Corporate_News/2014_07_31_EN_Nemetschek_AG.pdf

Implementation Investments

Delcam’s PowerMILL Helps Medical Manufacturer to Success
28 July 2014

Delcam’s PowerMILL CAM software for high-speed and five-axis machining has helped Muroplás SA, a Portuguese manufacturer of medical devices, to make its own moulds quickly and efficiently, and so develop a successful and growing business.

Muroplás SA is located in the North of Portugal, close to the city of Trofa. It was founded twenty years ago with one second-hand injection-moulding machine. Although the company started out with a general goal to develop parts made by thermoplastic injection, Muroplás has subsequently become a specialist provider of medical devices, in particular dialysis products.

Over the years, Muroplás achieved continuous growth through an emphasis on research and development in the manufacture of moulds, and in the use of plastic injection for different markets like medical devices, automotive, civil construction, tools and food packaging.

The decision by Muroplás to have its own machining area, allowing the company to manufacture its own moulds, has proved to be fundamental to its success. The facility has allowed the company to respond more quickly to customer demands and, above all, to meet delivery deadlines. PowerMILL has been an essential part of the company’s mouldmaking since the beginning, by providing a very flexible machining solution, while still being very easy to use.

Muroplás was similar to many other companies that want to move to producing and maintaining their moulds themselves. Contrary to common belief, the major reason is often not an economic one but, instead, it is the delivery time. How much does downtime cost in lost production, when a company has to wait for a mould to be repaired? How can the damage caused to the company’s credibility be measured, when a shipment of parts is delayed because the moulds have not been delivered within the
planed timeframe? What about the time it takes to implement small changes or improvements to the mould? Finally, intellectual property is always at risk, when moulds are subcontracted.

Of course, it is not easy for an injection-moulding company to set up a machining operation. However, being a Delcam customer has big advantages in simplifying the process of buying and programming the machines. With Delcam’s network of distributors and their experienced engineers, the CAM package is not just sold, but fully implemented.

Norcam, Delcam’s partner in Portugal, was able to give training, support and technical advice, making the addition of the machine shop so much easier. Apart from PowerMILL’s excellent machining capabilities, the second most important thing, when it comes to CAM software, is the level of support you can expect, both before and after the purchase.

In the last decade, Muroplás has invested in further enhancement of its facilities, with new equipment giving an even better ability to respond to the demanding challenges of the medical industry. Today, it is a supplier to the global market with all the equipment and experience that is needed to develop medical devices in the correct conditions and with the right tools.

Muroplás has also managed to make the step from being just a subcontractor to having its own portfolio of products. Over the years, Muroplás gained a lot of experience producing its customers’ components for infusion, dialysis, urologic, respiratory and drainage systems. This knowledge allowed it to develop a new range of products and to sell them internationally.

Today, the Product and Mould Engineering Department at Muroplás is constantly developing new solutions for its customers and designing the moulds, as well, allowing the company to be a solution and product supplier, instead of just another plastic injection-moulding company.

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solidThinking Inspire® Certified for Company-Wide Use by Daimler
31 July 2014

Daimler AG has officially certified solidThinking Inspire®, a product that enables design engineers to create and investigate structurally efficient concepts quickly and easily. With this certification, the tool becomes available to all design engineers at the customer as part of the Altair HyperWorks® computer-aided engineering software suite. Traditional structural simulations allow engineers to check if a design will support the required loads; solidThinking Inspire enhances this process by directly generating an optimal new material layout within a given design space using loads as an input.

The automotive industry is continually striving for lighter and more structurally efficient designs to meet global emission regulations while improving product performance. With solidThinking Inspire, these goals can now be achieved during the initial conceptual design phase of a new component or system, since the tool supports a simulation driven design process. Furthermore, solidThinking Inspire helps design engineers follow the functional and resource-efficient design rules found within nature - an approach often called biomimicry - for additional inspiration. This typically results in more organic looking shapes and structures than traditional design methods.

With the Daimler certification, all design engineers within the car and truck development departments of the company may now use solidThinking Inspire within their projects, giving them an opportunity to create efficient structures with minimum weight. This works for components, assemblies, and entire
systems. Design engineers may also use solidThinking Inspire to apply a required stiffness on a component where needed, helping to avoid undesired vibrations and contributing to overall vehicle comfort and quality.

"Historically, the sophisticated optimization technology contained within solidThinking Inspire was only available to simulation specialists. This technology can now be used where it offers the greatest return - within the concept phase of a new development project," said Pietro Cervellera, Managing Director Altair Engineering GmbH. "We are thrilled about the certification and look forward to supporting the organization both during and after deployment."

**Yates Construction Strengthens Collaboration Efforts with Viewpoint Construction Software's BIM Manager**

31 July 2014

Viewpoint Construction Software® is pleased to announce that Yates Construction, celebrating its 50th anniversary and ranked among the top construction services providers in the USA, recently purchased Viewpoint For Project Collaboration’s browser-based review system, BIM Manager. Looking for collaboration and visibility that goes beyond traditional project management, Yates Construction, a Viewpoint customer since 1985, purchased and implemented Viewpoint For Project Collaboration in 2013 and most recently purchased BIM Manager to effectively share project information models with all key project stakeholders.

Traditionally, as with most contractors, Yates Construction was challenged when sharing large volumes of data and running into software compatibility issues with internal and external stakeholders. Built on an Open BIM platform, BIM Manager was selected for its ability to simplify the real time flow of Building Information Models and the drawings, documents and project data derived from them, for a team who is looking to better utilize BIM.

“Viewpoint has proven to be a solid and innovative technology partner and when examining their roadmap for future product development and internal and external integration, we confidently decided to purchase BIM Manager,” stated Benjamin Crosby, Director of VDC/BIM with Yates. “Communication and collaboration with the right stakeholder at the right time has proven an invaluable asset. BIM Manager will be another tool at our disposal, empowering our team with what they need to get the job done.”

“After some excellent and insightful discussion with Yates about translating Open BIM concepts into tangible benefits on construction projects, I am delighted that Yates has signed up to use BIM Manager as their chosen common data environment to strengthen their BIM processes,” stated John Adams, BIM Product Manager with Viewpoint. “BIM Manager helps ensure that best practice workflows can be implemented to realize the true benefits of BIM, and I look forward to seeing Yates’ successes with using the tool set available today, as we bring more great functionality to their business and continuously develop BIM Manager to support the needs of the global construction industry.”
Product News

ASCENT - Center for Technical Knowledge Adds Additional Autodesk Official Training Guide Titles to its Current 2015 Offering
29 July 2014

Rand Worldwide today announced that its courseware division, ASCENT – Center for Technical Knowledge, has surpassed the milestone of 30 released Autodesk Official Training Guides (AOTG) in the past four months for Autodesk’s 2015 software. All released 2015 titles are available for purchase through ASCENT’s online store at ASCENTeStore.com.

“ASCENT’s staff of subject-matter experts, instructional designers, and technical writers have been extremely busy all year to ensure we meet, or exceed, the projected release dates of 2015 titles set in our Courseware Release Roadmap,” says Paul Burden, director of product development for ASCENT. “While producing our standard, off-the-shelf, AOTG curriculum for instructor-led teaching or self-paced learning, the ASCENT team also continues to work with clients to customize our learning resources. They can tailor existing content to match varying client training offerings, include specific workflows, models and datasets, as well as accommodate teaching preferences and institutional branding. No matter what the training need, ASCENT works with customers to ensure they are able to deliver the highest quality of training.”

ASCENT distributes training materials to educational institutions, individuals, corporations and Autodesk Training Centers in 92 countries worldwide through five international distribution centers. Initial title releases coincided with the first release of Autodesk 2015 software and continue at an aggressive pace. This ensures that designers, architects, and engineers in the civil, building, and mechanical fields get timely access to training resources covering the latest advancements in the industry’s leading 3D design software.

To view ASCENT’s complete Autodesk 2015 courseware lineup, please view ASCENT’s Autodesk Courseware Release Roadmap. A sampling of ASCENT’s most recently released Autodesk Official Training Guides for 2015 include:

- Autodesk Simulation Moldflow Adviser 2015 Essentials
- AutoCAD Civil 3D 2015 for Surveyors
- AutoCAD Electrical 2015 Fundamentals
- Autodesk Inventor 2015 Advanced Part Modeling
- Autodesk Revit 2015 MEP Fundamentals (Metric)

Bentley Releases LEAP Bridge Steel for the Design, Analysis, and Load Rating of Steel Bridges
29 July 2014

Bentley Systems, Incorporated, today announced the immediate availability of LEAP Bridge Steel for
the 3D modeling, design, analysis, and load rating of everyday steel bridges. The software, which adheres to AASHTO Load and Resistance Factor Design (LRFD) Specifications, enables users to leverage the benefits of bridge information modeling (BrIM), including increased efficiency and data reuse across the bridge lifecycle. It also provides the advantages of optioneering – which enables engineers to quickly consider trade-offs between multiple design strategies. When used with Bentley’s LEAP Bridge Enterprise software for concrete bridges, LEAP Bridge Steel provides bridge engineers and designers a comprehensive solution to evaluate multiple concrete or steel design alternatives.

Raoul Karp, Bentley Systems vice president, structural and BrIM products, said, “The cornerstone of BrIM is intelligent information mobility, which fosters the use of data beyond bridge design and engineering to inform downstream processes such as fabrication, construction, operations, maintenance, and inspection. With easy access to information about the bridge, organizations can optimize business processes – across the bridge lifecycle.”

He continued, “Being a fully integrated product for superstructure and substructure analysis, design, and load rating, Bentley’s LEAP Bridge Steel uniquely facilitates information mobility across various project stages. In addition, the bridge designs can be used in conjunction with MicroStation, GEOPAK, InRoads, MXROAD, the Power Civil products, and InspectTech, which makes it easy for information to move between project disciplines.

“But BrIM isn’t just about information mobility; it also provides project flexibility, which LEAP Bridge Steel supports through its parametric 3D modeling capabilities. Parametric modeling enables engineers to take advantage of optioneering – a hallmark of Bentley’s BIM advancement. With this powerful capability, they can quickly respond to project changes in a timely manner and arrive at the best design alternative for better asset performance.”

Michael A. Grubb, P.E., M.A., Grubb & Associates, LLC, said, “LEAP Bridge Steel addresses a real challenge in the bridge industry – the need for more robust and efficient systems for the design and analysis of everyday steel bridges. LEAP Bridge Steel performs a grillage or line-girder analysis, and then performs comprehensive design code checks and load ratings based on the analysis results. I found LEAP Bridge Steel to be intuitive and was pleased to see how quickly a data-rich 3D solid model can be developed, analyzed, and checked for compliance with AASHTO LRFD. This all-in-one modeling, analysis, and design software is going to enable bridge engineers and design firms to more efficiently design cost-effective steel bridges of varying complexity.”

Christian DeWalt, bridge engineer, Greenman-Pedersen, Inc., said, “We have been using LEAP Bridge Enterprise for our concrete bridge projects, so we were very excited to hear that the product family is being extended to support the design of steel bridges as well. In early testing, we’ve found LEAP Bridge Steel to be a real time-saver. The workflow provides rapid modeling and analysis, so we can produce 3D models very quickly – and they are automatically updated as we make edits in the design. The complex, behind-the-scenes calculations save us many hours, enabling us to ensure compliance to industry standards faster.”

Jie (Jane) Yang, SE, PE, AMEC E&I, said, “Approximately 25 percent of the bridges we design are steel bridges. One of our challenges is the time it takes for the design and analysis. We have been testing LEAP Bridge Steel in our office and have been happy with the intuitive interface and automated calculations it provides. It enables us to easily evaluate multiple design alternatives; we have found that we can analyze these bridges with rich engineering data and produce 3D models in a matter of a few hours, not days.”
With LEAP Bridge Steel, users can:

- create 3D models of bridge superstructures and substructures, including ground data, all in a single program;
- quickly evaluate multiple alternative designs;
- design and construct bridges of a higher quality; and
- take advantage of the software’s intra-operability with other Bentley applications, including MicroStation, GEOPAK, InRoads, MXROAD, the Power Civil products, and InspectTech.

LEAP Bridge Steel users also benefit from faster and more reliable workflows as well as from rework being minimized – due to the accuracy and consistency of the 3D models.

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28 July 2014

Bentley Systems, Incorporated, announced the release of AssetWise APM V7.2. This enhanced version of Bentley’s asset performance management (APM) software enables users to take advantage of immersive APM, a visual environment in which hypermodeling is used to spatially enable operations and maintenance for the interactive inspection of critical assets. AssetWise APM V7.2 users can also view infrastructure assets in the context of engineering information conveyed by Bentley’s i-models, and can initiate actions directly from the 2D or 3D representations of the asset. Additionally, AssetWise APM V7.2 users now benefit from advancements in asset strategy development and integrity management.

In related news, Bentley further announced:

- a new version of Bentley’s APM Supervisor Dashboard app for Windows 8.1,
- the alignment of its APM Process Maturity Model directly to ISO 55000.

Alan Kiraly, Bentley senior vice president, server products, said, “What differentiates Bentley’s AssetWise APM V7.2 is the unique capability to interact with the virtual plant and connect asset health data to 2D and 3D models of the plant. Bentley users can walk an inspection prior to going to the asset and make better decisions faster.”

Immersive Asset Performance Management

AssetWise APM V7.2’s immersive approach to visual operations helps converge the engineer’s mental model of the plant, network, or other asset with its performance and representation in IT systems. The hypermodels in this visual environment can directly link to asset condition indicators, enabling inspection indicator readings to be associated with the visual model. In addition, the ability to view assets via i-models (conveyors of architectural, engineering, construction, and operations deliverables) provides expanded engineering context in a variety of formats – from design files to specification sheets to corrosion loops, and more. Inspection photographs can also be included with assets, indicators,
indicator readings, and checksheets. The visual workflow supports both greenfield and brownfield operations, bridging the gap between CAPEX and OPEX and enabling a sustainable business strategy for operational excellence and safety.

**Advancements in Asset Strategy Development and Integrity Management**

Also new in *AssetWise APM V7.2* are analysis techniques used in Risk-based Inspections (RBI) and Reliability-centered Maintenance (RCM). Capabilities include demand scenario risk analysis based on the consequences of economic, health and safety, environmental, and company reputation effects; risk matrices support for failure mode criticality evaluation; and degradation rates updated from failure modes, analysis based on economic feasibility of maintenance strategies, and probability based on time between failures.

Bentley uniquely delivers a single platform to support both RCM and RBI asset strategy development methods, as well as a comprehensive inspection data management system. This drives an enterprise-wide approach to managing risk, increasing uptime, and ensuring process safety and predictable production at the lowest lifecycle cost.

With the unique capability of addressing reliability and integrity across the lifecycle on a single platform, Bentley users are able to push reliability-based processes and practices earlier into the design phase of the asset lifecycle. Bentley delivers an information management platform to ensure operational readiness and sustainable asset performance. *AssetWise APM* has tested and certified integrations to leading EAM systems, including SAP, IBM Maximo and Oracle eAM.

**APM Supervisor Dashboard App for Windows 8.1**

Bentley’s *APM Supervisor Dashboard* app, which was originally released for Android-based devices, gives reliability and maintenance managers an at-a-glance, actionable, 24x7 view of asset health and key performance indicators (KPIs). Bentley’s new *APM Supervisor Dashboard* app gives managers the added flexibility of responding to alarms and approving work from home or elsewhere offsite on Windows 8.1 devices.

**Process Maturity Model Aligned with ISO 55000**

New in Bentley’s Reliability Business Improvement Assessment is the alignment of its APM Process Maturity Model directly to ISO 55000. This standard enables users to identify the qualitative and quantitative evidence of their existing capabilities, to assess the stage at which their organizations currently operate, and to know what is possible with a given business case and plan.

Said Kiraly, “Bentley’s approach to asset performance management was the first to combine process, practices, technology, and methodologies that are tightly coupled and automated to provide sustainable results. This approach, which has a 15-year proven track record at Bentley and Ivara, has, in 2014, evolved into the ISO 55000 standard for asset management. As a result, Bentley’s *AssetWise APM* offering naturally aligns to ISO 55000 to deliver increased value to our users.”

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**BETA CAE Systems S.A. Announces the Release of the SPDRM v1.0.3**

28 July 2014
Having hit the ground running, Simulation, Process, Data & Resources Manager (SPDRM), has already demonstrated its capabilities in facilitating the organization and planning of your simulation processes. Bolstering its initial steps following a meticulous approach, BETA CAE Systems S.A. announces the release of v1.0.3 with fixes on reported and noted issues.

About SPDRM

Addressing the problem of contemporary CAE community to integrate data, processes and resources, BETA CAE Systems S.A. brings forth a new solution for driving high quality and effective virtual product development procedures.

This new software tool, the Simulation Process, Data & Resources Manager (SPDRM), provides a simple and intuitive way to capture, deploy, and manage CAE process workflows by integrating the resources, the tools, and the data associated with these.

Reflecting a deep understanding of the demands of simulation and its role in the enterprise, it couples with the enterprise PDM system and integrates CAE into higher level business processes by delivering CAE tasks and associated data to analysts, engineers, designers, suppliers, and managers.

The architecture and implementation of SPDRM is scalable, so that it can be deployed in different levels, such as in team, department or enterprise level. The system requirements are modest and the learning curve is smooth.

This new software for the orchestration and mastering of simulation procedures gives breakthrough solutions to the bottlenecks faced while using legacy tools.

SPDRM brings significant benefits to today's virtual product development, such as:

- overall process consistency, at all levels
- standardization of the procedures
- harmonization of operations throughout the organization but also with its suppliers
- referability and traceability of data and meta-data, of their modifications and variations
- reduction of data redundancy
- process progress monitoring and the effective processes quality management
- reliable and referable documentation
- productivity increase thanks to the effective resources management through job delegation to available and competent resources
- repeatability of processes, even when using updated or different datasets and software tools
- quality improvement of the deliverables
- increase of confidence to CAE, plus the time and cost reduction of the overall simulation process

Known Issues Resolved

Data Management

Occasionally, the "OverWrite" option was unavailable for Components with Status=WIP.

The linked directories attached under DM Items can now be saved in the exported data structure. Permissions might be incorrectly applied during the creation of the directory structure in the exported data structure.
An error could occur when removing a Component from the Structure.

Process Management
An error could occur when deleting an application node while on running mode.
Permissions might be incorrectly applied to the input files during the execution of a node.
An error could occur when releasing an output slot of type "File" used for attachment to a DM entity.
In some cases, the script variable for input slots of type "File" could return an incorrect value.
An error could occur during the execution of the node if an input slot of type "File" referred to a local file.

Resources Management
The option to define a common password for all imported users is now supported.

Scripting
Defining the file path using a relative path might cause error in setting the "File" property when applying
the dm.createDMItem script function.
The dm.setDMItemAttributes script function could return wrong error code when an invalid attribute
value was defined.

Miscellaneous
The contents of the folders attached to DM Items might not be exported in the exported data structure
when using the importDMPathsFromFile method of the ImportExportWS web service.
For more details about the new software features, enhancements and corrections please, refer to
the **Release Notes** document.

Documentation Updates
Updated Documents
Updated installation guide.

Tutorial files availability
SPDRM tutorial material is available within the software distribution package.

Supported platforms and System Requirements
The server software of SPDRM is currently available on Linux 64bits. The MS Windows flavour or the
server software will be also made available soon.
The client software of SPDRM are running under 64bit flavours of Linux and MS Windows.
The software requires a different license key to the rest of the products of BETA CAE Systems. This
license key should be incorporated into the same license file, if such is already installed, and requires
beta_lm, the proprietary license manager of BETA CAE Systems.
For details, refer to the **System requirements** document.

**CADvenue Updates it's Mechanical Engineering Software Today**
30 July 2014
Mechanical Engineering Software company CADavenue has just released new version of its Mech-Q product today.
The new release features a series of utilities to edit and move 3D pipe fittings including 3D steel beams and ducting elements found within Mech-Q

New software improvements include:
- New 3D piping tools
- More piping flexible couplings
- Added new snapping points at fittings
- New quick 3D Dimensioning
- Improved 3D Bill Of Materials
- Several improvements & bug fixes

Mech-Q is an add-on that inside your CAD application. It contains a suite of utilities which include Mechanical, Piping, Ducting & Structural modules.
For those without CAD, Mech-Q will also run in a application called AViCAD. This 2D/3D program uses an IntelliCAD based engine which has commands very similar to what you would find in AutoCAD® or LT.
The new version also includes a new toolbar (floating menu with icons) which contains the new 3D dimensioning and other editing utilities such as 3D slide, 3D rotation and a Z-height tool.
Owner Victor Abela explains, "The new 3D piping tools we have added will allow users to manipulate their layouts in 3D with ease after fittings are created, plus a whole lot more. A new 3D dimensioning tool also provides an easy way to size fittings, without having to worry about rotating or manipulating the UCS (User Coordinate System)."

Mech-Q supports all versions of AutoCAD® (R14-2015), AutoCAD LT® (2004-2015), Bricscad, Cadian, ProgeCAD, GstarCAD, AcelliCAD and many other IntelliCAD based CAD packages. A standalone application called AViCAD is also available.

CADavenue is located in North America and provides free trials to all their products. Other products include a stand-alone sheet metal flattening tool used to construct templates and patterns for fabrication and laser cutting machines.

Datakit Improves its Reading and Writing Interfaces for JT
25 July 2014

Datakit announces availability of the 2014.3 version of Datakit converters, bringing many enhancements and improvements with special focus on improved support of the Siemens PLM Software™ JT format with more information supported.
Datakit is now able to read semantic PMI(Product Manufacturing Information) contained in JT files, as well as axis information and textures.
The JT writing as also been improved in multiple ways. PMI writing (Dimensions, annotations, symbols,
Datum targets…) has been enhanced semantically, axis information is supported and it is possible to write JT files with a preset 3D view (ModelView).

These improvements will allow software vendors integrating Datakit technology (CrossCad/Ware) to support a comprehensive set of information related to JT files into or out of their software.

End users of CrossManager, the Datakit standalone software, will also benefit. They can now convert JT files to the format they want, keeping the information contained in the original files, or inversely, translate files from other CAD systems in JT models with comprehensive data support. Datakit supports JT format from versions 6.4 to 9.5.

Delcam updates DentMILL for Roland Dental Milling Software
31 July 2014

Delcam has released a new version of its DentMILL for Roland dental milling software tailored specifically for the production of crowns and bridges in zirconia, wax and PMMA on the Roland DXW-50 desktop machining system. At the same time, Delcam has released a new related program, DentMILL for Roland Express, which supports the Roland DWX-4 machine.

Both programs are based on the 2014 R2 release of Delcam’s extremely successful DentMILL milling software, with the addition of dedicated templates for the automated generation of machining procedures specifically for the Roland equipment, plus libraries of proven tooling and fixturing. The key difference between them is that DentMILL for Roland supports both the five-axis and three-axis capabilities of the DWX-50, whereas DentMILL for Roland Express provides three-axis toolpaths for the DWX-4.

DentMILL for Roland benefits from the many proven strengths of DentMILL. These include a range of advanced strategies that offer smoother machining to give the best possible surface finish, plus flexible five-axis techniques that can produce even the most complex restorations quickly and accurately.

For both programs, background-processing capabilities mean that toolpath calculations can be started on the first items added to the block, while the remaining restorations are still being positioned. This technology also allows work to be undertaken simultaneously on a number of projects. Both capabilities can reduce the overall calculation times significantly for a series of restorations.

Both of the new releases support the use of multi-holder fixtures. These fixtures allow individual restorations to be machined from discrete blocks of material, rather than machining multiple items from a single block. The machining program can now be created so that all operations with a particular tool across the various items can be completed in sequence before moving to the next cutter, so speeding up manufacturing by reducing tooling changes.

Improvements have been made to the scaling of models to compensate for shrinkage of materials during the sintering process. This option now includes the ability to undertake non-uniform 3D scaling, allowing more accurate scaling to give better-fitting restorations.

Data import has also been enhanced to improve the import of models from many different dental design systems. In particular, more variants of 3Shape parts can now be read into the software. The links to Delcam’s OrderManager workflow management software now provide a quicker, slicker and more intelligent mechanism for transferring new restorations into DentMILL from OrderManager,
thus making the whole process more efficient and saving time. OrderManager then manages the whole process from the initial order through to manufacturing and final dispatch.

Innoslate 3.0 Brings New Full Lifecycle Capabilities to Systems Engineers
28 July 2014

SPEC Innovations (Systems & Proposal Engineering Company) is pleased to announce the release of Innoslate 3.0, a model-based systems engineering (MBSE) tool. Innoslate 3.0 allows for greater full lifecycle power through Requirements Management and Analysis, MBSE, and DoDAF integration.

Innoslate 3.0 has made a notable difference in the way systems engineers can solve their engineering problems. Now you have even further integration across the lifecycle with the addition of the DoDAF 2.02 Dashboard. Users can see real time statistics on their diagrams, models, and projects through the Project Dashboard. Along with increased speed of performance, Innoslate 3.0 has added many new noteworthy features including:

Project Dashboard
The Project Dashboard displays model maturity checker, a notification system, real-time model statistics graph, and feedback panel. Keep team members up-to-date on project status, database changes, and model maturity with one easy-to-understand dashboard.

DoDAF 2.02 Dashboard
Develop your architecture in their new dedicated DoDAF Dashboard which includes all the DoDAF products and PES export.

Cross View Real-time Collaboration
Collaborate with your colleagues across multiple views simultaneously showing real-time user status, group chat, and project notifications.

Enhanced Full Lifecycle Support
Create document artifacts using integrated templates across the systems development lifecycle on your PCs, Macs, tablets, and smartphones.

To learn more about Innoslate 3.0 new features and how they can solve your engineering needs, come to the webinar Thursday, August 14th, at 10:00 a.m. Register here https://attendee.gotowebinar.com/register/973665185075814401.

Innovyze Releases InfoWater Generation V11
29 July 2014

In its ongoing quest to equip the global water industry with the world’s most powerful and comprehensive GIS-centric infrastructure modeling and management solutions, Innovyze, announced
the worldwide availability of the V11 Generation of InfoWater for ArcGIS (Esri, Redlands, CA).

The release is a further confirmation of Innovyze’s strong commitment to meeting the requirements of its user base and the increasing demands of the global water industry. In it, Innovyze has further refined the superb water supply and distribution modeling and analysis features that have helped make it a leading choice among the world’s top water utilities. InfoWater has long been renowned for its legendary power, speed, and comprehensive toolsets and extensions. By exponentially accelerating the large model building process and automating scores of tedious tasks, InfoWater V11 enables power users to create, analyze and design better, more complete, and more accurate models in a fraction of the time required by competing software, enabling users to meet increasingly tighter project deadlines. New user-driven enhancements make sophisticated dynamic network modeling and design easy for virtually every engineer, regardless of technical expertise. Additional advances include new remotely controlled pressure regulating and pressure sustaining valves, enhanced variable speed pump modeling, and improved graphical results presentation.

“InfoWater is the water network modelling standard for Thames Water and we have been using it with great success,” said Paolo Teixeira, Consultant Modeller for Thames Water Utilities Ltd in the UK. “We are also very pleased with the excellent support provided by Innovyze. The company respects and values its customers, listens to their needs and quickly implements their feedback. InfoWater’s new remotely controlled pressure regulating valve feature will help us more accurately analyze our water system and optimize its operational performance.”

Built atop ArcGIS, InfoWater integrates sophisticated predictive analytics, systems dynamics and optimization functionality directly within the powerful ArcGIS setting. From fire flow and dynamic water quality simulations, valve criticality and energy cost analysis to pressure zone management and advanced Genetic Algorithm and Particle Swarm optimization, the InfoWater product suite comes equipped with everything water utility owner-operators need to best plan, design, operate, secure and sustain their distribution systems.

The software also serves as a base platform for advanced smart network modeling, operation, capital planning and asset management extensions. Among these critical applications are IWLive (real-time operations and security); InfoWater UDF (unidirectional flushing); CapPlan (risk-based capital planning); InfoMaster and InfoMaster Mobile (asset integrity management and condition assessment); InfoWater MSX (multi-species, temperature, and particle transport/deposition modeling); InfoWater BTX (event/particle backtracking); InfoSurge (surge/transient analysis); Sustainability (carbon footprint calculation); BalanceNet (real-time energy management and operations optimization); PressureWatch (real-time network hydraulic integrity monitoring); QualWatch (real-time network water quality integrity monitoring); SCADAWatch (real-time business intelligence and performance monitoring); DemandWatch (water demand forecasting); and DemandAnalyst (real-time water demand and diurnal pattern estimations).

These advancements propel the InfoWater family of solutions into the next generation, furthering Innovyze’s time-honored practice of continually adding critical value to its software and bringing unsurpassed modeling and design capabilities into the mainstream. The suite has the robustness and feature set needed to handle the most demanding analyses. Yet it’s intuitive enough for new users to master without a drawn-out learning curve, making it the ultimate GIS-centric decision support tool for water supply and distribution systems. Like all Innovyze products, InfoWater V11 is backed by unparalleled high-touch technical support. For an even faster return on investment, organizations may opt to call on Innovyze Implementation Services to accelerate deployment, integration and implementation of best modeling practices.
“At Innovyze, we predict real-world water and wastewater infrastructure performance using fast, accurate and reliable simulation,” said Paul F. Boulos, Ph.D., BCEEM, NAE, Hon.D.WRE, Dist.D.NE, F.ASCE, President, COO and Chief Technical Officer of Innovyze. “Our new release makes it easy for engineers to quickly analyze increasingly large and complex water distribution networks and derive optimal solutions that help them achieve their most important business goals. This enhanced smart water network modeling and management solutions suite provides the ultimate decision support tool for optimal results.”

MathWorks Introduces Simulink Real-Time, Offering Complete, Integrated Real-Time Simulation and Testing
30 July 2014

MathWorks has announced the introduction of Simulink Real-Time into the Simulink product family. Available with the company’s Release 2014a (R2014a), Simulink Real-Time enables engineers to build, test, and run real-time applications from Simulink models on dedicated target computer hardware connected to their physical systems, providing a complete end-to-end real-time simulation and testing solution.

Combining the functionality of xPC Target and xPC Target Embedded Option, Simulink Real-Time supports real-time simulation and testing including rapid control prototyping, DSP, vision system prototyping, and hardware-in-the-loop (HIL) simulation. With this introduction, engineers can extend their Simulink models with driver blocks, automatically generate real-time applications, define instrumentation, and perform interactive or automated runs on a dedicated target computer equipped with a real-time kernel, multicore CPU, I/O and protocol interfaces, and FPGAs. Also, the addition of a high-resolution real-time target display as a new feature within Simulink Real-Time allows for a fully integrated user experience.

“Simulink Real-Time is the latest step forward by MathWorks in delivering a complete software and hardware system for these applications,” said Paul Barnard, marketing director, MathWorks. “Engineers can now perform continuous real-time testing of their entire system without interruption. They can build an integrated simulated system that realistically responds to its environment, resulting in reduced costs and improved quality of physical and control systems, including their software.”

The Lockheed Martin Skunk Works® recently used Simulink Real-Time during its end-to-end design, analysis, simulation, testing, and deployment of the X-56A, a research aircraft built for the Air Force Research Lab’s Multi-Utility Aeroelastic Demonstrator program. X-56A’s communication interfaces, signal conditioning, mode logic, navigation, and closed-loop flight controls were all designed in Simulink and prototyped and deployed using Simulink Real-Time. Furthermore, independent researchers were able to copy their flight control design directly into the Skunk Works’ Simulink model and build a new OFP with Simulink Real-Time.
New AVEVA Information Standards Manager bridges the gap between Owner Operators and EPCs
30 July 2014

Today AVEVA announced the launch of AVEVA Information Standards Manager (AVEVA ISM), a software product that enables both EPC contractors and asset Owner Operators to achieve greater control over critical engineering information across their projects and enterprises. It does this by rationalising existing class libraries and imposing consistent and compliant standards that improve information quality and reduce both project and operational risk.

AVEVA ISM can be rapidly deployed and is fully compatible with software systems from other vendors. With today’s massively increasing quantities and variety of asset life cycle information, this powerful enterprise-level application offers increased value to both project and operations management processes without the need to replace existing authoring products. The quick deployment and open design of AVEVA ISM delivers rapid ROI to EPCs and Owner Operators.

‘AVEVA ISM is able to establish and govern all asset information standards, across any number of projects, and is easier to implement and maintain than any competitive solution,’ explained Derek Middlemas, COO and Head of Enterprise Solutions, AVEVA. ‘This launch strengthens AVEVA’s Digital Information Hub capabilities, and like all AVEVA’s solutions, has been built around the principle of creating and maintaining an accurate Digital Asset.’

Using AVEVA ISM, Owner Operators benefit by being able to fully and accurately communicate their information standards requirements to their contractors, who are thus able to execute projects more quickly and to the necessary contractual standards. Contractors who work with multiple clients, each with their unique information standards requirements, can more easily manage concurrent projects to different standards. This enables valuable efficiency benefits, saves cost and time, and reduces opportunities for costly errors and rework.

Take Edgecam Workflow for a TestDrive
30 July 2014

At no cost, and zero risk, manufacturers can now take Edgecam Workflow for a free TestDrive before deciding if an innovative CAM system can improve their business processes.

“CAM is a vital part of companies staying competitive nowadays,” says Edgecam General Manager Raf Lobato. “It enables manufacturers to produce complex components with very tight lead times. However, a number of engineering firms still rely on manual or first generation CAM systems for programming, and are falling behind their global competitors.”

“This is mainly because they do not want to invest in something that they are unsure of or risk changing an existing system.” But thanks to Edgecam Workflow, from Vero Software, they can now evaluate the use of Edgecam Workflow by downloading a trial version from www.edgecam.com/testdrive.

Edgecam TestDrive gives manufacturers who are new to CAM or considering their future CAM requirements the opportunity to thoroughly test whether it makes a difference and improves their
business. They can use it to program their parts and generate NC code to see how Edgecam Workflow will work for them.

Once the TestDrive begins, manufacturers download Edgecam, use the tutorials provided, and attend a free training class.

Initially, the TestDrive installation will be in “Homework Mode” – a fully functioning system without the capability of generating CNC code. Once having attended the training course with their local Edgecam supplier, users can then switch to an evaluation Edgecam Essential System, either for milling or turning, which permits the creation of CNC programs.

With the TestDrive system, users can load CAD formats such as SolidWorks, Inventor and Solid Edge and create simple solid models through Edgecam Workflow Solids (EWS). They can also make full use of numerous other features, including:

- Stock & Fixture management
- Advanced Feature Recognition (AFR)
- Machining cycles
- Shopfloor documentation
- NC editor & Simulation

Most Edgecam TestDrives will last between one and four months, before the manufacturer has to either stop using Edgecam Workflow or choosing to invest and continue with the already proven business improvements.

Trimble and Bentley Accelerate Information Mobility with an Integrated Workflow for Road and Site Construction
29 July 2014

Trimble and Bentley Systems announced today the next advance of information mobility between project design and field construction. Using Bentley’s ProjectWise collaboration servers and services, along with its i-model technology for the open exchange of infrastructure information, and Trimble’s Business Center – HCE office software, an integrated workflow for road and site construction is now possible. The U.S. Federal Highway Administration, as part of its “Every Day Counts” vision, has recognized that using 3D models with GPS-enabled heavy equipment for road construction can increase productivity by up to 50 percent. Trimble and Bentley are at the forefront of enabling this vision by joining forces to optimize the transfer of information-rich 3D engineered models to 3D constructible models.

The announcement was made today at the Transportation Research Board AFB80 2014 Summer Committee Meeting.

Bentley’s V8i (SELECTSeries 3) civil engineering software, powered by OpenRoads, generates i-models from detailed designs that are managed by ProjectWise and can be easily transferred to Business Center – HCE for construction preparation and management. Business Center – HCE uses Bentley’s i-models to streamline the creation of 3D constructible models from the final contract drawings. To
optimize construction management processes and maximize information transfer, Trimble® Connected Site® technology can then be used to send the designs wirelessly to machines and field systems on the construction site.

Design and engineering teams can use Bentley’s ProjectWise to link construction and design offices. Contractors will have the ability to collaborate more effectively with designers on the constructible model by connecting Business Center – HCE directly to ProjectWise, so design information can be retrieved in the i-model. This integrated and managed workflow can enable more efficient bidding and estimating, faster project approvals, reduced change orders and shortened construction timelines.

“Accessing Bentley’s 3D i-models gives users of Trimble construction solutions the ability to optimize design-construct processes, and strengthen collaboration between the engineer and the contractor to reduce project costs and schedules. Optimizing processes between engineered models and constructible models are key for construction project success,” said Roz Buick, vice president and general manager of Trimble’s Heavy Civil Construction Division. “Ultimately, this efficiency can result in significant savings for all stakeholders on the project, including owners.”

“In 2012, Trimble and Bentley announced a strategic alliance to help engineers and contractors work smarter, collaborating together, through advanced information mobility. The ultimate goal was to further the connection and alignment between the virtual and physical environments for infrastructure and site projects, reducing project risk and increasing productivity. The newly announced integrated workflow moves us a step closer to that objective by facilitating information mobility between the design office, construction site and the field,” said Harry Vitelli, vice president, construction and field, Bentley Systems.