

Contents

Happy Thanksgiving

Company News	2
Aras Achieves Microsoft "Front Runner" Status for Advanced PLM Solution Suite	2
ASCON Expands its Presence in East Europe	2
Cadence Announces Appointments of R&D and Worldwide Field Operations Leaders	3
Open Text, Deloitte Canada Pen Alliance for Enterprise Content Management Solutions	4
Si2's Low Power Coalition Releases Power-Aware Design Flow and Power Reduction Documents	5
Events News	6
Bentley Introduces promise V8i Software at Automation Fair 2008	6
Improved CAD File Management to Be Showcased In Preview of Latest Document Locator® Release at Autodesk University	7
Magma Sets Dates and Locations for Worldwide MUSIC User Conferences	8
solidThinking to Demonstrate Latest Design and Styling Tool at EuroMold 2008 in Germany, Dec. 3-6, 2008	8
Implementation Investments	9
Aras Rolled Out Across 21 International Sites by Freudenberg	9
Asahi Kasei EMD Selects Berkeley Design Automation Analog FastSPICE™ for Precision Mixed-Signal Simulation	10
AVEVA Exceeds USD3 Million in Contract Wins Within Malaysia and Singapore	11
Creative Chips Adopts Synopsys' Galaxy Custom Designer Mixed-Signal Implementation Solution	11
EADS Chooses IBM and Dassault Systèmes for Collaborative 3D Design and Manufacturing to Help Reshape the Future of Aerospace and Defense Products and Services	12
Fluid Flow Simulation Helps Overcome Tough Telecom Thermal Design Challenge	13
Leading Japanese Shipbuilders Extend use of AVEVA Marine Solutions	14
Nanotechnology Pioneer Shortens Concept-to-Manufacturing Process With Autodesk Digital Prototyping	15
novero Selects Dassault Systèmes V6 Solution for Managing Development of Connectivity Solutions for Automotive Industry	16
Phillips-Van Heusen Corporation Streamlines Product Lifecycle Management with New Technology	17
Saft Power Systems Globalizes its Design Process with the Help of Zuken	17
Share-A-space® Used in Production by US Army TARDEC	18
Tangshan Railway Significantly Improves Data Accuracy and Design Efficiency with PTC Product Development System	18
Theorem Solutions' Data Interoperability Products Save BAE Systems Time and Cost Associated With Data Migration Efforts	20
WorkNC Cuts with Ultra Precision Diamond Bite Tooling	20
WorkNC Revives the Ancient Skills of the Japanese Armorer	22
Product News	22
Autodesk Releases Updated Tool for Precision Drawing and Drafting	22
Dassault Systèmes Announces DS Design Studio Creation	23
Dassault Systèmes Launches V6R2009x	24
Delcam Adds Tribid Modelling to PowerSHAPE Pro CAD Software	25
IQS Launches Quality Intelligence: Graphical Scorecard and Dashboard Library	27
Lattice Technology Releases Lattice3D Reporter Version 2.1	28

CIMdata PLM Industry Summary

Nemetschek North America Announces Service Pack 1 for Vectorworks 2009	29
New CA Clarity PPM v12 Delivers Requirements Planning to Address the Most Common Cause of Project Failures	30
SiliconBlue and Magma Strengthen Technology Partnership	32

Company News

Aras Achieves Microsoft “Front Runner” Status for Advanced PLM Solution Suite

25 November 2008

[Aras®](#) announced that the Aras Innovator solution suite for Product Life Cycle Management [PLM] is enabled on Microsoft SQL Server 2008, earning the company Front Runner status from Microsoft Corp. Aras’ advanced enterprise PLM solution in combination with Microsoft SQL Server 2008 helps enable customers to innovate and collaborate more effectively to develop new products faster.

“Microsoft remains committed to the success of our broad ISV partner community who drive innovative solutions to market,” said Mark Jewett, marketing director, SQL Server at Microsoft Corp. “The Front Runner program was designed to provide our partners with the best development environment possible and give them the technical and marketing tools they need to be successful over the long term.”

“Aras supports SQL Server 2008 because it’s an extremely powerful database platform and a significant advance forward,” said Peter Schroer, President of Aras. “Achieving Front Runner status enables us to deliver the most advanced enterprise PLM solution suite to customers within the same timeframe as the launch of SQL Server 2008. As a result, we are uniquely positioned to help our customers get the most from their PLM investment.”

Aras delivers a comprehensive suite of solutions for product lifecycle management, enterprise quality management, and global supplier management. The Aras solutions are enterprise open source on the Microsoft platform which enables companies to drive business improvement initiatives forward in the face of a challenging economy and IT budget reductions. The enterprise open source format from Aras provides freedom from licensing to:

- Remove the up-front capital expense for licenses which eliminates corporate expense risk
- Enable companies to validate solutions prior to commitment and without purchasing licenses
- Deliver unlimited users with no incremental license expenses

 [Click here to return to Contents](#)

ASCON Expands its Presence in East Europe

26 November 2008

ASCON Group continues its advancement in East Europe.

The company already has stable partnership in East Europe countries – certified partners, TECHSOFT s.r.o. and Usługi Informatyczne "SZANSA", offer users of professional CAD systems full-functional set of services for installation, support, maintenance and training of KOMPAS-3D. Now as a result of successful collaboration ASCON and its partners launch Czech and Polish beta-versions of the latest professional Mechanical CAD solution at a reasonable price KOMPAS-3D V10. Now all the users of KOMPAS-3D in these countries are able to experience even more abilities and advantages of

CIMdata PLM Industry Summary

professional solution for 3D solid modelling, 2D Drafting, Design and release of drafting documentation, as well as wide range of novelties and add-ons (such as piping, animation, kinematic and dynamic analyses, 3D model recognition system, extended import/export opportunities and many others).

ASCON' partners constantly arrange KOMPAS-training and take part in different events in East Europe. 15 November 2008 KOMPAS-3D V10, was presented in Podlesice, Poland, by Usługi Informatyczne "SZANSA". Many participants, primarily in such industries as automotive, machining, engineering and also education paid a lot of attention to KOMPAS both during the presentation and the KOMPAS workshops. Also the company opens a contest for users: an author of best model made in KOMPAS-3D V10 LT will get a prize – the full-functional professional version of the solution for one year period.

A free download of KOMPAS-3D LT, a reduced version familiarization and home usage, is available at <http://ascon.net/download.php>

“KOMPAS is a cost-effective and reliable tool, - said Gabriela Ciszynska-Matuszek, Usługi Informatyczne "SZANSA" -”Currently during the trainings, even the people who make the modeling of solids in KOMPAS for the first time point out that KOMPAS is unusually friendly for users. And that is true thanks to wide range of features and applications available in KOMPAS - one can divide the impossible to execute task on finite number of simply operations. I hope that with release of polish version of KOMPAS-3D more and more users can take the advantage of using it.”

“Due to world economic situation industrial companies even more try to use their budget effectively. ASCON offers them all the functional of Professional, Powerful 3D and 2D Modelling at just fraction of the cost of similar brand-known solutions and now KOMPAS users in East Europe could experience it in full power. With help of our partners, TECHSOFT s.r.o. and Usługi Informatyczne "SZANSA", we provide CAD users with cost-effective solution which already helped thousands of enterprises saved millions euros. Not only the budget is the case, but also convenient interface, powerful assembly design, compatibility with all known CAD systems, easy-learning and usage, stable and instant local technical support”, - said Irina Voronkina, International Business Development in ASCON.

To learn more about the software, download free Demo versions of KOMPAS-3D V10, take part in trainings or request a trial of the solution please, visit <http://www.ascon.net>

 [Click here to return to Contents](#)

Cadence Announces Appointments of R&D and Worldwide Field Operations Leaders

21 November 2008

Cadence Design Systems, Inc. announced the promotion of three senior leaders to executive management positions in R&D and Worldwide Sales and Field Operations. All three positions report to the Interim Office of the Chief Executive.

Chi-Ping Hsu, 53, was named senior vice president of research and development for the Implementation Products Group. Hsu's expanded responsibilities include development of analog design, implementation, and verification; digital implementation and signoff; mixed-signal design and implementation; physical verification; design-for-manufacturing (DFM); and design and analysis of complex PCBs and integrated circuit (IC) packages. Hsu has previously served as chief strategist of products and technologies and corporate vice president and general manager of both synthesis solutions and digital IC implementation. During his tenure, Cadence® grew its presence in the synthesis segment tenfold, and the company made

CIMdata PLM Industry Summary

significant quality and technology advancements in digital IC implementation. In addition, Hsu was the visionary for the Cadence Low Power Solution and the primary driver of Power Forward, the industry's leading initiative organization focused on enabling the development of power-efficient ICs and electronic systems. Prior to joining Cadence in 2003, Hsu served as president and chief operating officer of Get2Chip Inc. and before that held executive management positions at Avant! Corporation, where he was responsible for corporate and technology strategy, product development and marketing. Hsu holds a Ph.D. degree in EECS from the University of California, Berkeley, and a BSEE degree from National Taiwan University.

Nimish Modi, 46, was named senior vice president of research and development for the Front End Group with responsibility for products and solutions in the areas of logic design, systems design, verification, SoC IP integration and hardware/software co-validation. Prior to joining Cadence in 2006, Modi spent 18 years at Intel Corporation, where he was most recently a vice president in the Enterprise Platforms Group with responsibility for the company's server CPU development, including the Xeon and Itanium product families. Modi also held various senior R&D and leadership positions as a member of i486, Pentium and Pentium II processor teams, and led the development of Intel's first optimized Celeron processor. Modi holds a Bachelor of Engineering degree in electrical engineering from the University of Bombay and a Masters degree in electrical engineering from Virginia Tech.

Tom Cooley, 46, was named senior vice president of Worldwide Field Operations. As previously announced, Cooley is responsible for worldwide sales, product marketing, and technical field operations. Cooley is an EDA industry veteran with over 23 years of experience in sales and marketing. He joined Cadence in 1995 and has held various positions, including leading the company's sales activities in the regions of North America, Europe, Middle East, Africa and India. Cooley was also instrumental in establishing the Cadence Global Account Program and most recently led the product marketing organization. Prior to Cadence, he held application engineering and sales positions at Cadnetix, Mentor Graphics and Racal-Redac.

"These appointments recognize the excellent talent and experience that exists within Cadence and reinforce the company's commitment to maintaining core technology leadership and focusing on outstanding customer service," said Lip-Bu Tan, interim vice chairman and member of the Interim Office of the Chief Executive. "Chi-Ping, Nimish and Tom each have a deep understanding of our technology, our customers' product development challenges and the importance of customer relationships. In their new roles they will leverage their respective talents, experience and track records of success to benefit the company and our customers."

 [Click here to return to Contents](#)

Open Text, Deloitte Canada Pen Alliance for Enterprise Content Management Solutions

19 November 2008

[Open Text Corporation](#) said it has formed a strategic alliance with Deloitte Canada, in which Deloitte professionals will provide Open Text ECM solutions and services that will help organizations worldwide improve the way they manage information to reduce costs and improve compliance.

The alliance features Deloitte's leading consulting advisory and implementation services and Open Text's broad set of ECM solutions and expertise. Key areas of focus will include:

Delivering industry-specific ECM solutions to clients when designing, developing and implementing technology and business solutions to better manage the entire information lifecycle.

CIMdata PLM Industry Summary

Managing compliance and legal requirements through Open Text's records management solutions, including records management for use with SAP solutions, and Open Text's e-discovery and email management solutions.

Improving processes and reducing costs by enhancing SAP systems that manage major enterprise-wide business processes. Open Text solutions will include content lifecycle management for use with SAP to process, manage and archive documents that flow through SAP systems. Also, Open Text's Vendor Invoice Management for use with SAP solutions, which helps companies reduce costs in accounts payable.

 [Click here to return to Contents](#)

Si2's Low Power Coalition Releases Power-Aware Design Flow and Power Reduction Documents

25 November 2008

Silicon Integration Initiative ([Si2](#)) has released two documents on Power Aware Design Flows and Low Power Design Techniques developed by its Low Power Coalition (LPC). Both documents are available to the industry on the Si2 web site links as noted below.

The first document, "Si2 Power Aware Design Flows," outlines a best practices approach adopted by much of the industry regarding Power Aware Design Flows and the points in the flow for power closure decisions. This information provides a description of the current state of the art in ESL algorithms and system models, RTL design and IP integration, as well as physical implementation and synthesis in regards to power-aware design flows.

The second document, "Si2 Power Reduction Stimulus and Low Power Design Techniques," identifies and lists all known low power techniques used in minimizing power consumption in silicon and systems. The document is intended to drive the flow and format requirements and reach convergence in the areas of Pre and Post Silicon Design. All low power techniques are classified in five categories. Clock techniques are related to optimal usage of clocks. Activity control related techniques are different hooks to monitor and control activities. Voltage Techniques are related to control of operating voltage and power gating in the silicon and systems. Circuits and process are related to manufacturing processes and special circuit usage in silicon. Firmware techniques are related to software and hardware integrations in system design.

"These important documents highlight the valuable work the LPC is doing beyond the maintenance and expansion of the Common Power Format Si2 standard," said Steve Schulz, president and CEO, Si2. "The commitment and support of the LPC working groups in producing these documents gives evidence to the relevance of the LPC and its critical mission."

Following are links to each document:

Si2 Power Aware Design Flows: <http://www.si2.org/?page=997>

Si2 Power Reduction Stimulus and Low Power Design Techniques: <http://www.si2.org/?page=996>

The Low Power Coalition is an open industry group operating under the auspices of Si2. All interested parties are invited to join existing LPC members and participate. <http://www.si2.org/?page=751>

About the Low Power Coalition (LPC)

The Low-Power Coalition (LPC) is delivering enhanced capabilities in low-power Integrated Circuit

(IC) design flows in particular relating to specifications of low-power design intent, architectural tradeoffs, logical/physical implementation, design verification and testability. The Low Power Coalition is an open industry group operating under the auspices of Si2. All interested parties are invited to join existing LPC members and participate. For further information on the Low Power Coalition, see <http://www.si2.org/?page=726>.

 [Click here to return to Contents](#)

Events News

Bentley Introduces promis•e V8i Software at Automation Fair 2008

19 November 2008

Bentley Systems, Incorporated introduced at Automation Fair 2008 today promis•e V8i software for automatically generating electrical system schematics and supporting documentation. The intelligent, promis•e software, which can be used on MicroStation, MicroStation PowerDraft, or AutoCAD platforms, reduces electrical design time by more than 30 percent. In addition, it makes the electrical design process more accurate by virtue of more than 2 million up-to-date parts in its extensive content repository. Bentley is making its debut at the Automation Fair, which runs Nov. 19-20, as an Encompass Partner – an approved third-party vendor of products that work in conjunction with Rockwell Automation products.

promis•e V8i is part of Bentley’s newly launched V8i software portfolio for infrastructure. Encompassing products for all of the solution communities served by Bentley, including roads, bridges, rail and transit, campuses, factories, buildings, power generation, mining and metals, oil and gas, water and wastewater, electric and gas utilities, communications, and cadastre and land development, the V8i portfolio leverages and extends core capabilities of its new interoperability platform to provide the breadth and depth of technology needed for fully integrated project delivery. Developed as a collective whole, the V8i software portfolio facilitates streamlined workflows among multiple disciplines and across project teams throughout the infrastructure lifecycle.

“Our first appearance at Rockwell’s Automation Fair provides us with an excellent opportunity to demonstrate how promis•e V8i integrates and interoperates with related Bentley products, specifically AutoPLANT P&ID V8i, Bentley Building Electrical Systems V8i, and Bentley Instrumentation and Wiring V8i featuring FOUNDATION Fieldbus network design capability,” said Rob Whitesell, senior vice president, Bentley Building and Plant Products. “In addition, promis•e V8i complements our contributions to a vendor category of rapidly growing significance for infrastructure creation – industrial solution suppliers.”

Whitesell continued, “These suppliers are assuming more and more of the engineering on projects as they design, configure, and fabricate modules of larger scope for assembly on site, superseding traditional piecemeal specification and construction. By doing so, they help owner-operators and engineering, procurement, and construction firms overcome professional, materials, and crafts resource shortages.”

promis•e V8i can be used as a stand-alone product or to support MicroStation V8i as an add-on. It also can exchange data with other Bentley Plant products via the common project database shared by Bentley’s plant design applications – AutoPLANT and PlantSpace. Powerful new functions of promis•e V8i include:

CIMdata PLM Industry Summary

Shortest Distance Wire Routing – The software determines the most efficient route for wires that connect components on a mounting panel. Each wire connection is listed in promis•e V8i with its calculated length, providing information that’s invaluable to panel builders and other installation professionals.

Panduit Wire Containment – A wire-path function allows users to define the areas of a panel layout used for routing wires. By comparing these areas and the user’s preferences to the included parts database, the software also will automatically select the optimum Panduit component part numbers for items such as wire duct, wire ties, and so on.

promis•e Publisher – This powerful function offers incredible flexibility and convenience in outputting project drawings and reports. In addition to sending output to printers and plotters, users export data in a wide range of electronic formats including DWG, DGN, PDF, HTML, and RTF. In one step, an entire project can be published in any combination of these output options, facilitating the exchange of information in the digital factory.

For additional information about promis•e V8i, visit booth 257 at Automation Fair 2008, or go to www.bentley.com/en-US/Products/promise. For more information about V8i visit www.bentley.com/v8i.

 [Click here to return to Contents](#)

Improved CAD File Management to Be Showcased In Preview of Latest Document Locator® Release at Autodesk University

24 November 2008

[ColumbiaSoft](#) will release in its next version of Document Locator an improved integration with AutoCAD that speeds the performance of CAD file management in the document management system by employing Autodesk RealDWG technology. The company will make the announcement and present a preview of the latest software version to Autodesk users at the upcoming Autodesk University conference December 2 through 5 in Las Vegas, NV.

“RealDWG is all about speed, and it has allowed us to supercharge our integration with AutoCAD by letting us directly manage CAD files and their associated xrefs and images in the document management system,” said Scott Zieg, ColumbiaSoft product manager. “We can now read and write CAD files much faster, which not only improves the user experience with Document Locator, but also has real benefits in terms of time and efficiency.”

The addition of RealDWG technology improves upon a standard Document Locator integration with AutoCAD that already offers several benefits:

- *Organization and searching of CAD files is made easier by Document Locator’s ability to extract title block values and other drawing attributes and automatically profile file information for fast retrieval.
- *Prior versions of CAD drawings are maintained allowing reuse and retrieval.
- * Direct access to document management functionality is possible from within AutoCAD’s menus.

A unified approach to file management

Document Locator’s ability to combine management of CAD files within the same system used to manage project documents, emails, and virtually all other types of electronic files offers a unified

approach for the organization of related project information together in one system. Associated files can be organized, shared, controlled, and retrieved from a single location, reducing the likelihood of misplaced files or files being duplicated in multiple locations. All related files can be categorized and organized in a consistent manner, with all approvals and versions recorded to the system's document log. In addition, Document Locator promotes consistent reuse of intellectual property through the controlled management of templates.

 [Click here to return to Contents](#)

Magma Sets Dates and Locations for Worldwide MUSIC User Conferences

19 November 2008

Magma Design Automation Inc. announced dates and locations for the 2009 MUSIC user conferences. MUSIC Silicon Valley will be held April 2 in Santa Clara and MUSIC India will be held April 16 in Bangalore. To accommodate a growing user base in Asia, MUSIC China has been added to the schedule and will be held April 9 in Shanghai.

In the 7 years since it was formed, attendance at MUSIC -- Magma Users Summit on Integrated Circuits -- conferences has increased steadily, reflecting growing adoption of Magma's advanced IC implementation software. Next year's program will also highlight user successes with Magma's new analog and mixed-signal design platform.

"The global semiconductor industry is facing significant technical and economic challenges," said Rajeev Madhavan, Magma's chief executive officer. "MUSIC conferences provide our users with a unique opportunity to network with their peers and get expert tips on how to fully leverage the Magma software to improve IC performance and turnaround time and reduce chip development costs."

MUSIC: Forum for Ideas

An annual event held in key semiconductor hubs, MUSIC provides a forum for Magma users to exchange ideas, discuss common problems and to explore solutions related to the design and manufacturing of integrated circuits, as well as offers users an opportunity to meet with Magma staff and product experts. The MUSIC program covers key elements of semiconductor design from system-level design to tape-out for systems on chips, ASICs, structured ASICs, ASSPs and FPGAs. The tutorials by senior Magma staff provide the users an opportunity to learn about the latest products, features and enhancements in the Magma software and to provide feedback for further development of Magma products.

 [Click here to return to Contents](#)

solidThinking to Demonstrate Latest Design and Styling Tool at EuroMold 2008 in Germany, Dec. 3-6, 2008

26 November 2008

Industrial design/styling software company solidThinking, Inc. (<http://www.solidthinking.com>) announced it will present its latest 7.6 version software at EuroMold 2008, Dec. 3-6 at the Exhibition Fair Ground in Frankfurt, Germany. More than 61,000 designers and engineers in attendance, representing more than 85 nations will have the opportunity to participate in live demonstrations of solidThinking 7.6 at booth B118, Halle 6.0, and experience firsthand the software's features, which are

CIMdata PLM Industry Summary

created to better allow product designers to rapidly capture, explore and visualize their ideas.

“EuroMold is recognized as the international meeting point of the industrial sector, so we are eager to display solidThinking’s extensive capabilities to attendees, who can directly benefit from the software’s intuitive design and high-quality imaging,” said Alessandro (Alex) Mazzardo, vice president of product strategy and marketing. “solidThinking’s state-of-the-art rendering capabilities, visual effects and easy-to-use tools invite and empower designers to explore more creative possibilities during the design process, in less time.”

solidThinking is the dominant tool for Italian design firms and industrial designers for products ranging from jewelry and electronic devices to furniture and yachts. Version 7.6 offers an updated rendering engine, a streamlined user interface, rich photorealistic content functionality and a number of other enhancements tailored to fit the needs of designers.

“Members of the international design community will continue to work closely together to pioneer fresh and creative design solutions,” said Mazzardo, who started solidThinking in 1991 with his brother Mario Mazzardo, solidThinking’s vice president of product strategy and management. “We are excited to offer a solution to international teams who seek to reduce the number of physical prototypes and design reinterpretations between designers and engineers. This increased efficiency will boost productivity and improve product value.”

The global rollout of solidThinking 7.6 follows the recent acquisition of the company’s assets by Michigan-based Altair Engineering, Inc. (<http://www.altair.com>). A leading global technology provider, Altair is providing solidThinking with demonstrated experience in developing sales channels and support expertise to increase the software’s adoption across numerous business sectors and geographies. This added reseller channel reach will give designers from across the globe even greater access to the design software. In fact, solidThinking recently signed Troy, Mich.-based FISHER/UNITECH (<http://www.funtech.com>), a leading product development technology firm, as a value-added reseller (VAR) to promote, sell and support solidThinking and its portfolio of features to the industrial design community. In addition, solidThinking 7.6 has been added to Altair’s HyperWorks Enabled Community (HWEC) (<http://www.hyperworkscommunity.com>), which makes the software available to industrial design users at existing HyperWorks customers worldwide.

 [Click here to return to Contents](#)

Implementation Investments

Aras Rolled Out Across 21 International Sites by Freudenberg

26 November 2008

[Aras®](#) announced that the Freudenberg Dichtungs- und Schwingungstechnik [[FDS](#)], a leading global seals and vibration technology provider headquartered in Weinheim Germany, has standardized on Aras for global PLM and will complete the international roll-out to 21 sites across Europe by the end of 2008.

The deployment of the Aras solution gives Freudenberg DS a standardized multi-national process for product development that incorporates Advanced Product Quality Planning [APQP]. The ISO/TS16949 quality standard is the automotive version of the ISO 9000 standard and includes product development process requirements for ensuring quality, referred to as APQP. Freudenberg DS has expanded on the scope to implement a strategy called APQP2 that achieves zero defect quality and proactive risk management using Aras Innovator. The result has been shorter development cycles and more effective

launch to volume production.

"Aras gives us a single international development process that extends from the initial program quote through all of development and production launch across our entire European operations," said Axel Vondermühl, PLM project manager at Freudenberg DS. "Aras online workflow streamlines and controls the business processes to enable better international collaboration. We now have executive visibility over the hundreds of new product projects we run simultaneously. Our development work occurs significantly faster and more efficiently."

Aras provides product development collaboration and real-time red-yellow-green traffic light status for Freudenberg DS employees including product managers, design engineers, and quality engineers, as well as, personnel throughout sales & marketing, sourcing & procurement, and production operations. The broad level of international access is achieved without the purchase of any user licenses because the Aras enterprise open source format delivers unlimited users access for no charge.

"Aras is the most advanced service-oriented architecture or SOA for PLM because it is model-based," explains Martin Allemann, Vice President EMEA for Aras. "The Aras model-based SOA for PLM means that solutions have unmatched flexibility to support competitive business practices and that the entire application is accessed conveniently through a standard Internet Explorer browser."

 [Click here to return to Contents](#)

Asahi Kasei EMD Selects Berkeley Design Automation Analog FastSPICE™ for Precision Mixed-Signal Simulation

18 November 2008

[Berkeley Design Automation Inc.](#) announced that Asahi Kasei EMD, a leading global supplier of mixed-signal and RF integrated circuits for wireless, consumer electronics, and automotive applications, has selected the company's Analog FastSPICE™ circuit simulator for full-circuit functional simulation and complex-block characterization of its mixed-signal and RF integrated circuits. Asahi Kasei EMD is the core operating company for all electronics materials and devices of the Asahi Kasei Group, and has been one of Berkeley Design Automation's earliest customers in Japan.

"AKEMD has earned a worldwide reputation for outstanding analog-digital mixed-signal/RF technology, and our products feature high performance, high precision, high integration, and low power consumption," said Toshikazu Suzuki, Head Design Technology at Asahi Kasei EMD. "Analog FastSPICE meets a critical need for our mixed-signal/RF IC designers- super fast performance combined with true SPICE accuracy- which was impossible with any other simulator. We reduced simulation time for our complex ADCs, integer and fractional PLLs, and transceivers by 5x-10x with true SPICE accuracy. We have been able to easily integrate this into our proprietary design flow, thereby reducing verification times for our engineers developing complex mixed-signal circuits for wireless, consumer, and networking applications."

Berkeley Design Automation tools include Analog FastSPICE™ circuit simulation, Noise Analysis Option™ device noise analyzer, RF FastSPICE™ periodic analyzer, and PLL Noise Analyzer™. The company guarantees identical waveforms to the leading "golden" SPICE simulators down to noise floor (typically 0.1% or less) while delivering 5x-10x higher performance and 5x-10x higher capacity. It achieves this by using advanced algorithms and numerical analysis techniques to rapidly solve the full-circuit matrix and the original device equations without any shortcuts that could compromise accuracy.

CIMdata PLM Industry Summary

Design teams from top-10 semiconductor companies to leading startups use Berkeley Design Automation tools to solve big analog/RF verification problems. Typical applications include characterizing complex blocks (e.g., PLLs, ADCs, DC:DC converters, PHYs, Tx/Rx chains) and running performance simulation of full circuits (e.g., wireless transceivers, wireline transceivers, high-speed I/O macros, memories, microcontrollers, data converters, and power converters).

“We are excited that Asahi Kasei EMD, a leading supplier of complex mixed-signal and RF integrated circuits, has selected Analog FastSPICE as a key component of their verification environment,” said Ravi Subramanian, president and CEO of Berkeley Design Automation. “Asahi Kasei EMD designs some of the most complex, high-performance, low-power mixed-signal and RF integrated circuits in the world. We are happy that Analog FastSPICE provides AKEMD with the accuracy and performance required for the verification of these complex circuits. We are delighted to see their continued confidence and growing investment in our technology and products.”

 [Click here to return to Contents](#)

AVEVA Exceeds USD3 Million in Contract Wins Within Malaysia and Singapore

18 November 2008

AVEVA has seen remarkable success in Malaysia and Singapore since the start of the company's financial year beginning April 2008. Four major contract wins for AVEVA solutions, valued at over USD3 million, came from a broad range of sectors including shipbuilding, offshore oil & gas and petrochemicals. Amongst these are Malaysia Marine and Heavy Engineering (MMHE), Sime Darby Engineering and MTBE Malaysia.

Across the straits in Singapore, AVEVA signed a major contract with PACC Ship Design, a division of PACC Ship Managers Pte Ltd, one of the region's biggest ship owner operators that is currently branching out into shipbuilding. AVEVA will supply PACC Ship Design's new yard with AVEVA Marine solutions.

Peter Finch, President, AVEVA Asia Pacific, said:

"In addition to the continued success of our flagship solutions AVEVA PDMS and AVEVA Marine; AVEVA NET, our open lifecycle management solution, is being well received by the Plant and Marine industries in Malaysia and Singapore. AVEVA NET completes the AVEVA Plant and AVEVA Marine range of solutions to ensure our customers operate at the most productive and efficient manner possible to guarantee them the competitive edge needed to succeed."

 [Click here to return to Contents](#)

Creative Chips Adopts Synopsys' Galaxy Custom Designer Mixed-Signal Implementation Solution

24 November 2008

[Synopsys, Inc.](#) announced that Creative Chips has adopted Synopsys' Galaxy Custom Designer™ custom implementation solution. As a designer of systems for the automotive and consumer markets, Creative Chips needs a modern-era solution that unifies cell-based and custom design. Custom Designer provides a comprehensive digital and analog design flow that helped enable Creative Chips to implement complex product designs and meet critical time-to-market, cost, and quality constraints.

"The devices we design for our customers include diverse analog components coupled with complex

CIMdata PLM Industry Summary

digital systems and signal processing," said Dr. Lutz Porombka, managing director for Creative Chips. "Using Custom Designer, we can design, simulate and verify large cell-based blocks and high-performance analog circuits on a single platform. Synopsys' unified custom design environment significantly enhances our productivity and design quality, enabling us to meet our customers' expectations for silicon that is on budget and works the first time."

Built from the ground up, Custom Designer was architected for productivity. Key modules include a schematic editor featuring on-canvas editing and dynamic net highlighting. The simulation environment provides a common use model allowing access to Synopsys simulators, including the HSPICE®, HSIM™ XA, NanoSim® XA and WaveView Analyzer simulators. The layout editor features a real-time preview of P-Cell parameter changes, and the results from Synopsys' Hercules™ DRC/LVS and Star-RCXT™ parasitic extraction tools are dynamically available within Custom Designer. In addition, Custom Designer exchanges vital information with Synopsys' IC Compiler physical implementation solution during floorplanning, placement, routing and final chip editing to reduce time-consuming design iterations.

"Creative Chips' successful adoption of Custom Designer underscores Synopsys' focus on serving markets, like automotive and consumer products, where there is increasing analog content integrated into complex digital designs," said Bijan Kiani, vice president of Marketing at Synopsys. "We are working closely with companies like Creative Chips to enable their success in the highly competitive and demanding markets they serve."

 [Click here to return to Contents](#)

EADS Chooses IBM and Dassault Systèmes for Collaborative 3D Design and Manufacturing to Help Reshape the Future of Aerospace and Defense Products and Services

26 November 2008

IBM and Dassault Systèmes (DS) announced EADS' commitment to IBM and Dassault Systèmes' product lifecycle management (PLM), for 3D collaborative design and manufacturing applications and services. EADS, a global leader in aerospace, defense and related services, is streamlining product design and manufacturing processes through the use of collaboration tools to make key product information more easily accessible to suppliers and partners worldwide.

Aerospace and defense companies face new global manufacturing challenges as they extend their network of partners and suppliers around the globe. Original equipment manufacturers (OEMs) like EADS are developing more sophisticated products that rely on deeper integration between the mechanical, electrical and software components of product development. For example, components of an aircraft are made in different locations, making an OEM's ability to share reliable data and design plans with global suppliers key.

To address these challenges, European Aeronautic Defence & Space Co., or EADS, launched a worldwide program named PHENIX, which stands for PLM Harmonization ENhanced Integration and eXcellence. Partnering with IBM and Dassault Systèmes, EADS' goal is to integrate Dassault Systèmes' tools such as product design (CATIA), digital manufacturing (DELMIA) and collaborative solutions (ENOVIA-VPM) into EADS' PLM processes as key enablers for excellence and harmonization.

The IBM Dassault Systèmes applications are currently deployed across EADS, a company known for its Airbus commercial aircraft, special mission and military aircraft, satellite launchers and space services and platforms for missile systems. These applications contribute strongly to support engineering and

CIMdata PLM Industry Summary

manufacturing industrial processes from end-to-end.

With its PLM platform, EADS is addressing key industry challenges by:

- Deploying a ‘3D Master Reference,’ digital mock-up approach to help streamline industrial product development programs by increasing collaboration across multiple divisions and tapping into the collective knowledge of international teams.
- Turning complex 3D design and manufacturing processes into tested and repeatable models to achieve optimal results in manufacturing through the integration of 3D and simulation technologies.
- Predicting product behaviors using virtual group validation and resolution techniques that support speedy decision-making and help shrink product design cycle times.
- Creating an easy flow of key design and data information to promote the correct interpretation of product definitions, reducing costly design mistakes in the early stages of product development.

“We’re leveraging a long standing relationship with IBM and Dassault Systèmes, to create harmony in PLM practices across 3D design and manufacturing teams at EADS,” said Jean Botti, EADS Chief Technical Officer. “An increased focus on sharing a 3D master definition and collaborating across our divisions will reinforce our globally integrated approach to product development. IBM and Dassault Systèmes bring indisputable value to the transformation process underway with our PHENIX program. This is in synergy with the recent EADS choice of another key PLM building block of the global PHENIX solution.”

“We share IBM and Dassault Systèmes’ PLM vision of using 3D technologies to effectively communicate and collaborate on new product development,” said Jean-Yves Mondon, EADS vice-president and head of the PHENIX program.

“This collaboration reflects the strength of our long-term partnership with EADS,” said Etienne Droit, executive vice president, Dassault Systèmes. “New PLM technologies from Dassault Systèmes, such as PLM 2.0 and DS V6 solutions, will offer EADS the capacity to extend the strategic value it has placed on collaborative innovation. With new online product creation and life-like simulation tools, companies will simplify PLM platforms and reduce technology costs.”

“IBM has the expertise and resources to help companies become more globally integrated, said Albert Bunshaft, vice president, IBM Product Lifecycle Management Solutions. “As EADS gives partners and suppliers more responsibility for deploying products in new markets and consumer tastes become very local to a region of the world, the use of defined PLM business practices will become paramount for managing on-going market change.”

For more information about IBM please visit <http://www.ibm.com> and www.ibm.com/solutions/plm.

For Dassault Systèmes please visit <http://www.3ds.com>.

 [Click here to return to Contents](#)

Fluid Flow Simulation Helps Overcome Tough Telecom Thermal Design Challenge

November 2008

Elma Electronic used FloTHERM thermal simulation software from the Mentor Graphics Mechanical Analysis Division (formerly Flomerics) to optimize the design of a new Advanced Telecommunications Computing Architecture (ATCA) platform that is designed to dissipate up to 300 watts in each of its 14

CIMdata PLM Industry Summary

slots. Elma thermal engineers used FloTHERM's capability to automatically run a series of flow simulations while varying various dimensions and other parameters to achieve design goals such as maximizing airflow over the boards. "The optimization of the chassis via thermal simulation studies made it possible to beat competitors to market with a highly innovative product," said Ram Rajan, Thermal Engineer for Elma Electronic.

Recently, Elma made the decision to develop a 13U ATCA platform that dissipates 4200 watts in the 14 main slots plus another 1120 watts in a rear transition module (RTM). The boards themselves are 8U tall leaving only 5U for cooling including the fans and intake and exhaust plenums. "This is one of the most challenging thermal design problems that we have faced," Rajan said. "At Elma we are strong believers in thermal simulation and use it frequently to design the spacing for air intake and exhaust, types of fans and blowers, the plenum space above or below the fans, the placement of air filters and the use of baffles to optimize chassis thermal management. We evaluated both of the leading thermal simulation software packages and use the Mentor Graphics Mechanical Analysis Division's FloTHERM because it is more user friendly, provides superior reporting tools, and our customers have greater confidence in its accuracy."

Rajan utilized FloTHERM's automatic optimization module to explore the entire design space. The FloTHERM optimization module automatically generates a series of models with design parameters varying over a design space defined by the user and runs these models while monitoring product performance to identify the optimal design. "I started with the fan to air filter and air filter to boards dimensions because they determine the airflow spread between the different boards," Rajan said. "After I optimized them, I used the FloTHERM Command Center to optimize the intake plenum to exhaust plenum ratio which dictates the total airflow through the system." Rajan specified a goal of reducing the chassis static pressure while maintaining airflow level and distribution over the boards at acceptable levels. He specified 10 runs and the FloTHERM Command Center then created a designed experiment that uses these runs to efficiently explore the design space.

"With a couple of designed experiments run overnight, I was able to optimize every key dimension in the chassis and meet the performance requirements for the box with a minimum of time and effort," Rajan said. The system uses 3 individually removable fan trays with two 120 mm 48V fans in each tray. The result is that Elma S ATCA Carrier-Grade 13U system offers unmatched thermal performance by delivering 40 CFM per slot in the front card cage to cool well over 200 watts per slot and 6 to 10 CFM over the RTMs. "The optimization of the chassis via thermal simulation studies made it possible to beat competitors to market with a highly innovative product," Rajan concluded.

[!\[\]\(f024d36410e36011059c73f7d7908105_img.jpg\) Click here to return to Contents](#)

Leading Japanese Shipbuilders Extend use of AVEVA Marine Solutions

25 November 2008

AVEVA announced that key Japanese shipbuilders - Namura Shipbuilding, Universal Shipbuilding Corporation, Shin Kurushima Dockyard, Sumitomo Heavy Industries Marine & Engineering and Imabari Shipbuilding Group - have signed contracts worth over USD2.5 million to extend their use of AVEVA marine solutions. The contracts were made in the first half of AVEVA's financial year ending 30 September 2008.

[AVEVA](#) marine solutions were first used in Japan by Kawasaki Shipbuilding Corporation in 1994. Kawasaki has since expanded the use of AVEVA marine solutions to its commercial and naval yards.

CIMdata PLM Industry Summary

To date, there are more than twenty Japanese customers who actively subscribe to AVEVA's shipbuilding solutions.

Peter Finch, President of AVEVA Asia Pacific, said:

"With these contract extensions, Japanese shipbuilders have demonstrated the confidence shipbuilders have in our solutions; which provide efficient design, engineering and construction capabilities to more than 80% of the world's top 50 shipyards. With AVEVA marine solutions, shipbuilders reduce costs, accelerate timescales and maximise performance, rising above the challenges of a global economic slowdown."

 [Click here to return to Contents](#)

Nanotechnology Pioneer Shortens Concept-to-Manufacturing Process With Autodesk Digital Prototyping

25 November 2008

Autodesk has named Elmarco Ltd. ([Elmarco](#)), a Czech-based manufacturer of industrial machines for the production of nanofibers, Inventor of the Month for November 2008.

Elmarco relied on Autodesk Inventor software to develop its Nanospider line of machines, which make the production of nanofiber textiles possible on an industrial scale. Nanofiber textiles are highly breathable but have pore sizes that are small enough to prevent micro particles, bacteria or even viruses from passing through, making it ideal for air filtration systems in medical settings or in chip fabrication plants.

The Inventor of the Month program recognizes the most innovative design and engineering advancements made by the extensive community using Autodesk Inventor software--the foundation of the Autodesk solution for Digital Prototyping. A digital prototype allows users to design, visualize and simulate a product before it is built, reducing the reliance on constructing multiple physical prototypes.

"Inventor of the Month Elmarco is the first--and only--company in the world to offer customers machines for the industrial production of nanofibers," said Robert "Buzz" Kross, senior vice president of Autodesk Manufacturing Solutions. "Inventor has helped Elmarco unleash its innovation in the nanofiber industry."

Many times smaller than a human hair, nanofibers have a diameter of 200 to 500 billionths of a meter. The Nanospider machine produces these nanofibers through a patented electrospinning process, in which a rotating drum is partially submerged in a polymer solution and placed in a high-intensity electrostatic field. The resulting nanofibers are highly desirable for filtration and acoustic applications.

Simplifying with Digital Prototyping

Autodesk Inventor played a key role in helping Elmarco simplify the concept-to-manufacturing process of the Nanospider machines that mass-produce these nanofibers. The 12-member Elmarco design team uses Inventor to create 3D models of the spinning units and the overall machine body that it can easily share with other members of the organization, or reuse for later designs.

"Autodesk Inventor is easy to learn and very user friendly," said Jan Cmelik, chief designer at Elmarco. "By leveraging its capabilities, we're able to reuse existing designs for approximately 80 percent of the parts on our industrial production line."

CIMdata PLM Industry Summary

For the remaining 20 percent of the parts that must be custom developed--such as chemical distribution vehicles--Elmarco is able to take advantage of the powerful piping and tubing functionality in Inventor software, which helps pipe runs comply with design standards. Streamlining the process further, models of purchased components can be easily imported into Inventor to complete the final assembly. Because the Autodesk solution for Digital Prototyping employs a single digital model through all stages of production, it allows Elmarco to use Inventor software's visualization tools to give demonstrations of the machine to customers, decreasing review times and improving Elmarco customers' understanding of the design.

About the Autodesk Inventor of the Month Program

Each month, Autodesk selects an Inventor of the Month from the more than 700,000 users of Autodesk Inventor software, the foundation for Digital Prototyping. For more information about Autodesk Inventor of the Month, contact IOM@autodesk.com.

 [Click here to return to Contents](#)

novero Selects Dassault Systèmes V6 Solution for Managing Development of Connectivity Solutions for Automotive Industry

24 November 2008

Dassault Systèmes ([DS](#)) announced that novero GmbH, a leading provider of connectivity solutions for the automotive industry, has selected DS's ENOVIA V6 PLM solution to manage its key design applications and product development processes while also integrating with existing IT systems. This approach will simplify the complexity of the design process enabling novero to collaborate more closely with key suppliers to bring products to market faster and more cost effectively.

Established in June 2008 as a spin off from Nokia Automotive, novero is focused on delivering high speed cellular and multimedia solutions for a number of the world's leading automotive manufacturers. To help grow the business and establish a competitive advantage novero selected a number of ENOVIA's PLM products including the ENOVIA Designer Central solution which will enable its designers to manage information, including mechanical and electrical data from CATIA V5, and collaborate more efficiently within ENOVIA's single IP reference. To facilitate a cross-disciplinary engineering approach, novero will also deploy the ENOVIA Engineering Central solution to eliminate the traditional process and data communication barriers that often exist between mechanical, electrical and software engineering disciplines.

“As a lean, medium-sized business we are committed to reducing complexity while emphasizing the essential elements of product design which is essential to ensuring our market leadership position. In order to do this we have to tackle the complexity of our mechanical, electrical and software environment by establishing best practices for all of our core business processes,” said Razvan Olosu, founder and CEO, novero. “In working with Dassault Systèmes we are confident that we have a PLM strategy that will help us to grow and to successfully drive the development of new, innovative products.”

By adopting the ENOVIA V6 PLM solution, novero is implementing a single platform for IP management that will enable them to enhance global collaboration regardless of location, function or business process. Based on a flexible service oriented architecture (SOA), this approach supports an adaptable business model by allowing easy integration with standard ERP systems.

“We are pleased that novero has chosen to work with Dassault Systèmes. Given the unique business

CIMdata PLM Industry Summary

environment and the complexity of efficiently integrating mechanical, electrical and software data into one system, it is imperative that companies drive new product development by harnessing the process of innovation,” said Andy Kofoid, vice president, sales & services EMEA, ENOVIA, Dassault Systèmes. “The V6 strategy demonstrates Dassault Systèmes’ commitment to helping customers of all sizes manage the entire product development lifecycle from implementing collaborative business processes to managing data and offering users a lifelike 3D design experience.”

 [Click here to return to Contents](#)

Phillips-Van Heusen Corporation Streamlines Product Lifecycle Management with New Technology

25 November 2008

Phillips-Van Heusen Corporation is enhancing its supply chain management capabilities with a product lifecycle management (PLM) system to support its extensive sourcing operations. Provided by ecVision, XpressCommerce® will be deployed as an online solution used by sourcing teams in the United States, Latin America and Asia to collaborate on global product design and development tasks.

The web-based, role-based application serves as a common platform to consolidate pre-production tracking data, standardize product costing, and provide a means of collaboration across the globally-distributed network. ecVision's reporting capabilities will be enhanced by the data consolidation created through integration to an external product design (PDM) system. The system will provide the retailer with a comprehensive supplier management process ensuring that brand quality, competitive pricing and better product delivery dates are achieved.

"We believe this technology will tightly mesh our supplier and sourcing operations around the world while delivering greater value chain benefits to our customers," says Don Grant, Group Vice President IT at [PVH](#). "We are impressed with ecVision's agility to work with our internal teams at multiple levels to implement a solution that will enhance our sourcing operations."

Future phases of additional functionality ecVision will deliver include more robust and detailed costing, cross-functional calendaring, and supplier capacity planning tools. To learn more about ecVision's solutions, visit <http://www.ecvision.com>.

 [Click here to return to Contents](#)

Saft Power Systems Globalizes its Design Process with the Help of Zuken

24 November 2008

With a strong presence in the fields of telecommunications, information, and many other industrial markets, Saft Power Systems has chosen Zuken to reinforce the overall effectiveness of the group by rolling out Zuken's [CR-5000](#) solution internationally.

Using CR-5000, Saft Power Systems will solve their design technology challenges while tapping into the resources of a global organization and all managed by the pilot skills center located in Lannion, France.

A long-standing partner via the VISULA product, Saft Power Systems has now entrusted Zuken with the implementation of an integrated design platform for its various international sites. The deployment of CR-5000 has begun in France on the Lannion site, and will continue to be rolled out through the fourth

CIMdata PLM Industry Summary

quarter of 2008. It will be followed by implementation in the UK, the USA, Malaysia and Germany. Mr. Antoine Le Gall, Head of the Lannion design office, declared “We were looking for a quality total solution that would allow us to harmonize our satellite design centers with our skills center. Beyond support, Zuken also offers world-wide technical and commercial assistance that are real assets in the deployment process.”

Other decisive factors, tied to the capacity for integration of the design environment in the processes of product life-cycle management, were involved in the choice of Zuken’s CR-5000 solution. “We were also looking for a modern tool that allows for easy integration with our product life management tools. We needed the interface with SAP to be as simple and as transparent as possible for users.” added Mr. Le Gall

Throughout 2008, the Saft-[Zuken](#) partnership will be developed on various sites, helping the firm to meet its technological and structural challenges.

Saft Power Systems & Harmer+Simmons

Saft Power Systems & Harmer+Simmons through their 3 brands - Saft Power Systems, Harmer+Simmons and AEG Power Supply Systems – are world leaders in the provision of dependable power systems for Telecommunications, Information technology and Industrial markets. With a presence in 7 countries the company offers a unique portfolio of AC and DC integrated power solutions.

 [Click here to return to Contents](#)

Share-A-space® Used in Production by US Army TARDEC

26 November 2008

[Eurostep](#) has delivered its PLCS-based server solution [Share-A-space®](#) for use in production at US Army TARDEC. Share-A-space® will be used in the PLM collaboration between US Army TARDEC and AM General for the next generation of the HMMWV: the High Mobility Multipurpose Wheeled Vehicle (“Humvee”).

The name of the programme for development of the next generation of the HMMWV is ECV2: Expanded Capacity Vehicles 2.

“After delivering several pilot projects and studies to TARDEC, we are very pleased to see PLCS applied in production”, says Håkan Kårdén, CEO Eurostep Group. “TARDEC is showing important leadership in the deployment of PLCS, and we are proud to support such a demanding PLM environment”, adds Mr Kårdén.

 [Click here to return to Contents](#)

Tangshan Railway Significantly Improves Data Accuracy and Design Efficiency with PTC Product Development System

24 November 2008

[PTC](#) announced that Tangshan Railway Vehicles Co. Ltd (TRV), a subsidiary of China CNR Corporation Ltd., has successfully deployed the PTC® Product Development System (PDS) consisting of Windchill® for collaborative design and management platform, and Pro/ENGINEER®, PTC’s 3D

CIMdata PLM Industry Summary

CAD/CAM/CAE solution, to significantly improve its design accuracies and efficiencies.

As the first railway vehicles manufacturer in China, TRV develops and manufactures passenger vehicles for railway and metropolitan transportation. In recent years, TRV has introduced a number of the world's leading technologies for the manufacturing of high-speed trains to China. Today, CRH3 350km/h high-speed train produced by TRV is already running on Beijing-Tianjin inter-city railway, and has set a new train speed record in China. The CRH3 trains are soon expected to run on the Beijing-Shanghai Express Railway line as one of the leading vehicles operating on the route.

TRV required a digital design and manufacturing platform to meet the increasing complexities of its product designs. The PTC PDS allows TRV to achieve distributed, cross-enterprise collaboration on data acquisition and product information, centralized management of design and manufacturing data. Additionally, Windchill seamlessly connects to multiple mechanical or electrical CAD applications, desktop applications and the SAP ERP system, leading to significant improvements in data accuracy and design efficiency. The integration with the 3D digital design of the previously isolated design and manufacturing data management platforms has helped TRV to improve the product development process. PTC PDS has also allowed TRV to enable concurrent development with Changchun Railway Vehicles Equipment Co. on a train project.

BPLead, PTC's Gold Value Added Reseller (VAR) in China, also provided business process optimization and control consulting services for TRV to meet its specific requirements for railway vehicles manufacturing. With a view to further enhance its independent innovation capabilities and meet the increasingly complex design requirements, TRV decided to deploy an integrated design and management platform for the development of the high-speed train.

"With the help of PTC's Product Development System and the professional service of BPLead, Tangshan Railway Vehicles has successfully established a digital design and manufacturing platform. The accurate transfer of design data to ERP has greatly improved the company's design, manufacturing and information management capabilities. The project has set a new example of concurrent R&D process and digitalized manufacturing for China CNR Corporation," said Song Yubin, head of the IT Department at Tangshan Railway Vehicles Co. Ltd.

"Chinese manufacturing enterprises are not exempt from the global competitive pressures to develop high quality products in reduced timeframes and as such must continually evaluate their product development processes to ensure that they have optimal leverage from all resources possible," said Robert Kocis, divisional vice president, Worldwide Chanel Sales, PTC. "With PTC's PDS, TRV has implemented an enterprise PLM solution that is able to increase the overall efficiencies of its product development processes by enhancing its ability to collaborate across departments, improve its data accuracy and integrate with its ERP solution."

About Tangshan Railway Vehicles Co., Ltd

As a part of China CNR Corporation Ltd., Tangshan Railway Vehicles Co. Ltd was formerly known as Tangshan Locomotive and Rolling Stock Works. Established in 1881, it is regarded as the foundation for railway transportation equipment manufacturing in China, being the manufacturer of China's first steam locomotive called "Rocket". Today, the company's product lines include 300km/h high-speed train, railway passenger cars (25G, 25T), urban rail cars (subway, light rail) and special vehicles (military vehicles, tilting trains, maglev trains). Tangshan Railway Vehicles Co., Ltd is currently cooperating with Siemens Transportation Systems Group (TS) to produce 350km/h high-speed trains. It has achieved the honor of becoming one of the first 103 innovative pilot enterprises in China.

 [Click here to return to Contents](#)

Theorem Solutions' Data Interoperability Products Save BAE Systems Time and Cost Associated With Data Migration Efforts

17 November 2008

Theorem Solutions, Inc. announces that the successful implementation of a Theorem solution on the Nimrod MRA4 CAD migration project by BAE Systems has helped the company to significantly reduce IT costs associated with maintaining two CAD systems, instead of one, over the life of the aircraft and has also eliminated prohibitive costs associated with manual methods of migration.

The Nimrod MRA4 is a maritime reconnaissance and attack aircraft used for maritime reconnaissance, anti-submarine warfare, anti-surface unit warfare, and search and rescue missions. In December 1996, BAE Systems was awarded a contract to remanufacture some Nimrod MR mk2 aircraft to the new Nimrod MRA4 specification including new mission, sensor and avionics systems.

To facilitate this task, BAE Systems selected a combination of standard CADverter translators, bespoke checking software and Theorem Process Manager (TPM) to migrate the Nimrod wing design data into a single CAD system, resulting in major financial and time savings.

Faced with a possible costly manual migration and manual checking process as Nimrod data is moved from CADD5 to CATIA V4, BAE systems implemented a comprehensive migration and automatic checking system from Theorem Solutions.

Working with Theorem, BAE Systems created a statement of work, initially implemented in a Proof of Concept phase, and then successfully further developed to a full production implementation. The outcome of less than 12 months' work is a process that runs automatically under the control of Theorem's TPM, translating batches of CADD5 models and drawings, comparing pre and post translation models and drawings, creating reports for manual checking where required and maintaining a full audit trail throughout.

TPM was designed to automate any manual, time-intensive batch processes or Back Office activities that have historically created bottlenecks for manufacturers. TPM automates, schedules, manages and controls these processes and can be set up to process these tasks during off-hours when most computers and workstations sit idle.

Stuart Thurlby, Theorem's Managing director, said, "I have rarely seen a project implemented so effectively and providing such a clear and substantial return on investment. We are delighted to have worked with BAE Systems on this venture."

 [Click here to return to Contents](#)

WorkNC Cuts with Ultra Precision Diamond Bite Tooling

20 November 2008

The Shinkoh Mold Co. Ltd, based in Kanagawa Prefecture, Japan has been a pioneer and leader in the manufacture of plastic injection molds since its formation in 1967. The bulk of its business is in the manufacture of molds for cellular phone display mock-ups. As part of its expansion plans, the company has launched a new 'Prism' project initiative with the aim of developing the expertise to offer nanotechnology ultra precision molds to its customers.

CIMdata PLM Industry Summary

The WorkNC automatic CAM/CAD system was first installed at the company in 1999, for core plate manufacture. The key benefit was its rapid calculation speed, which cut program preparation times by up to 66%. At the time, Shinkoh Mold used another CAM system to program its cavity plates, but the programming time was so long that the machine tools were frequently idle, waiting for NC data. Detailed re-evaluation and testing of WorkNC's capabilities by Shinkoh Mold's engineers in 2005, when the software proved itself to be accurate and compatible with the cutting tools and machining centers used, led the company to switch all its programming to the Sescoi software.

Mr Kenichi Otsuka, President of Shinkoh Mold Co. Ltd, said, "When you select a CAM system it must be compatible with your milling machines as otherwise it will have a detrimental effect on your production levels. We carried out extensive testing which demonstrated that WorkNC was the best match for our Yasda and Makino machines. This was just one of the reasons we purchased additional seats of the software. WorkNC has delivered a 40% reduction in programming times for cavity plates. Now the milling machines are never idle waiting for NC data."

Shinkoh Mold has developed seven predefined machining sequences in WorkNC: Cavity-Large, Cavity-Small, Core-Body, Core-Frame, Core-Slide, Small-Insert A and Small-Insert B. Mr Kazuya Fukushima, Shop Floor Manager, said, "These predefined sequences allow even novice programmers to generate high quality toolpaths by simply reading in the new model data and executing the toolpath. WorkNC's batch mode calculation enables us to process toolpaths overnight ready for machining in the morning."

The company makes extensive use of WorkNC's Z-Level Re-machining toolpath, using it to re-rough the cavity and to remove excess material in corners, avoiding damage to the tool to be used in the following toolpath and minimizing cutter loads. To finish the cavity, Z-Level Finishing is used on slopes greater than 75 degrees, and Planar Finishing on more gradual slopes. Where a higher quality finish is required, Planar Finishing is used with the angle option of 45 degrees from X axis to minimize tool load.

Mr Kazuya Fukushima added, "WorkNC's Contour Re-machining toolpath enables us to re-rough the whole part. We then use a trimmed Z-Level Re-machining path to reach deep cavities and to work with long tools without incurring excessive loads." He continued, "WorkNC is easy to use, it requires very little training and experienced shop floor engineers can use it to store and share their practical knowledge with the NC programmers."

The company is reducing the number of electrodes it uses and increasing the level of direct machining of each cavity. The benefits include cost reduction (half the cost of electrodes), 66% reduction in manufacturing times, sharper definition on edges resulting in improved quality and reduced polishing times. Mr Kenichi Otsuka added, "Possible is different from practicable. By standardizing our CAM processes in WorkNC we eliminate reliance on individual skill levels and achieve consistent results."

Shinkoh Mold examined ways of reducing cutter marks on the cavity and minimizing tool load. Techniques employed include running the spindle for 30 minutes prior to cutting to avoid problems with expansion, keeping the spindle speed to 13,000 rpm to ensure consistent and repeatable expansion figures, and reducing approach angles to 1 degree to minimise cutter load. Combining these methods with WorkNC's re-machining and finishing toolpaths has enabled the company to machine successfully with 0.2mm diameter tools 10.5mm long, which is a length to diameter ratio of 26, without deflection or damage. Mr Kazuya Fukushima said, "We used our standard predefined routines in WorkNC to produce these results, which prove that the software works well with smaller tools. WorkNC's stability is outstanding, it can't be beaten."

 [Click here to return to Contents](#)

WorkNC Revives the Ancient Skills of the Japanese Armorer

26 November 2008

The most widely recognized element of traditional Japanese armor worn by Samurai warriors is the ornate helmet, the 'Kabuto'. Adorned with family crests, sculptures and mythical images, the Kabuto has symbolic significance in Japanese culture. TOMCO, a Japanese company specializing in high speed CNC machining manufactured a scale model of a Kabuto to demonstrate its expertise using Sescoi's WorkNC CAM/CAD software.

Starting with an original Kabuto, the TOMCO engineers captured the shape with a laser 3D scan before manipulating the model in CATIA V5, ready for CNC programming in WorkNC. Working from a solid block, they used WorkNC's roughing, semi-finishing and finishing routines to machine the intricate details on the outside of the helmet, taking account of the available tooling and the capabilities of the machine tool itself. Repeating the process on the inside of the Kabuto required the use of WorkNC's Auto 5 automated 5-axis toolpaths. These enabled the machine to reach deep into the helmet using the shortest possible cutters for rigidity while avoiding collisions between the machine, the job, the tool and its holder. The machining video showing the process and WorkNC's high speed machining techniques can be seen at http://www.tomco-web.co.jp/01_news.html

The Kabuto is the latest in the series of stunning showpiece items machined by Japanese WorkNC users. Sescoi worked in collaboration with CAMbrain Co Ltd to manufacture a 'robot hand' from a solid aluminum block on a Mori Seiki 5-axis machining center, while engineers from the Kawanami Ironworks won the Gold prize in the Die and Mold Machining section of Mori Seiki's Cutting Dream Competition Awards 2007 with a 'silver jacket' machined from 5052 aluminum. The three showpiece items demonstrate the skills of the Japanese engineers and the capabilities of WorkNC. All the parts required collision free 5-axis toolpaths to make it possible to cut the extremely complex shapes and precision to produce the fine detail and achieve the exceptional surface finish.

The Kabuto had pride of place on Sescoi's stand at the recent JIMTOF show and drew in a large number of visitors who were fascinated by the detail and complexity of the model. European engineers will be able to see the Kabuto for themselves and catch a glimpse of Japanese culture by visiting Sescoi at EuroMold in Hall 8 stand F22.

 [Click here to return to Contents](#)

Product News

Autodesk Releases Updated Tool for Precision Drawing and Drafting

24 November 2008

Autodesk, Inc., announced the release of AutoSketch 10, 2D drafting software with basic CAD tools that allow anyone to create precise drawings quickly. AutoSketch 10 is designed to allow for the simplified creation of AutoCAD software-compatible drawings, including design concepts, product specifications and floor plans.

The newest release of AutoSketch is enhanced to work with the Windows Vista operating system and brings file format compatibility into alignment with Autodesk's full line of products. AutoSketch can now read DWG files v2.5 and greater and save files to AutoCAD 2004 and 2008 DWG file formats, letting designers more easily share drawings and convert older files to the latest version.

CIMdata PLM Industry Summary

"AutoSketch 10 provides an elementary drawing environment for hobbyists, DIY home remodelers, and small businesses," said Guri Stark, Autodesk vice president, AutoCAD and Platform Products. "This release of AutoSketch is a versatile and affordable drawing tool that has been brought up-to-date in response to customer requests for Windows Vista and DWG compatibility."

Customizable toolbars and grids in AutoSketch 10 allow users to create a flexible and efficient workspace for straightforward drawing. AutoSketch 10 provides a series of tutorials and drawing wizards to help new users get started quickly. Content libraries within AutoSketch also offer designers of all experience levels the simplicity of ready-made, drag-and-drop content.

Availability

AutoSketch 10 is now available English in North America and Australia and New Zealand and will soon be released in German More information can be found at <http://www.autodesk.com/autosketch>.

 [Click here to return to Contents](#)

Dassault Systemes Announces DS Design Studio Creation

26 November 2008

Dassault Systèmes (DS) announced the launch of DS Design Studio. The mission of the DS Design Studio is to capitalize and propagate design excellence throughout Dassault Systèmes and its offerings. The well-known industrial designer Anne Asensio is leading the DS Design Studio, and her team of design professionals helps customers gain a competitive edge by integrating innovative design directly to the heart of PLM.

DS Design Studio has been working with CATIA R&D to create an offer that directly addresses designers' specific needs within a global collaboration environment. This offer, the CATIA Design Studio Solutions Portfolio, includes a dedicated set of intuitive state-of-the-art applications for designers to express their creativity and explore more innovative ideas in 3D. A virtual clay modeling approach enables them to start from scratch as well as from 2D sketches. Exact shape outputs are immediately available as sharp and efficient communication support. Design integrity is shared and fully understood by all involved extended project team actors, all the way from marketing to engineering and manufacturing. This provides a truly integrated approach from ideation to production, in a streamlined and optimized way, for team resources and energy to be fully dedicated to innovation.

"DS Design Studio helps to place design intent at the heart of the PLM flow. Our goal is to help designers preserve their original intent throughout the PLM process. Through global 3D immersive design reviews, we take design innovation to a new level," says Anne Asensio, vice president of design experience, Dassault Systèmes. "Traditionally design and PLM are understood as segmented worlds, but actually they belong to each other."

The European Union estimates that more than 80 percent of a product's environmental impact is determined in the product conception phase. To help companies and designers ensure eco design right from the start, CATIA Design Studio relies on the CATIA V5 Knowledgeware infrastructure. CATIA federates corporate assets, enabling project actors to take advantage of eco-design practices from initial project ideas to product recycling, with environmentally compliant design in mind.

For more information about DS Design Studio and CATIA Design Studio, please visit the dedicated website: <http://www.3ds.com/designstudio>.

 [Click here to return to Contents](#)

Dassault Systemes Launches V6R2009x

25 November 2008

Dassault Systèmes (DS) launched V6R2009x, the latest release of its new platform. Release 2009x demonstrates the continuing momentum of the V6 portfolio and its production proven online collaborative platform. Today's announcement further substantiates PLM 2.0 – PLM Online for All.

“From leveraging online communities, such as 3DVIA.com, to integrated requirement, functional, logical, and physical definitions of products, the V6 platform is harnessing the collective intelligence of all participants in a product's lifecycle,” said Dominique Florack, senior executive vice president, products, research and development, Dassault Systèmes. “V6R2009x delivers key functionality, such as compliance capabilities for environmental and FDA regulations, and a new BOM configuration solution to manage product unit effectivity.”

Today's release delivers important industry-specific solutions for customers in the consumer goods, high-tech, industrial equipment, life sciences, automotive, and aerospace industries. Numerous companies are already experiencing the potential of V6, including Skanska in the architecture industry, Procter & Gamble in consumer packaged goods, Nikon in high tech, Pacific Brands in apparel, Hoffman Enclosures and Schuler in industrial equipment, Johnson Controls and novero in automotive, Piaggio Aero Industries in aerospace, and others.

“We believe innovation is the result of collaboration, and we've found V6 strongly embodies this philosophy,” said Ken Moro, the executive in charge of Nikon Corporation's Industrial Design Initiative. “From what we've seen in our preliminary experiences with CATIA V6, Dassault Systèmes has put the values of collaboration and innovation at the core of its online design solution. Global collaborative innovation is a driving force in today's market and Dassault Systèmes' V6 is taking it to new levels.”

As with the previous release of V6, Release 2009x is designed to extend the value of customers' existing PLM assets. Dassault Systèmes continues to develop and make available transition scenarios for its varied user base, including customers with mixed DS and non-DS applications. Support for collaborative design scenarios between V4/V5 and V6 enables gradual adoption of V6 for an OEM and its supply chain. Further, DS plans additional releases of its popular V5 line of solutions, such as the recently announced V5R19, whose functionality enhancements are synchronized with and available in V6R2009x.

V6R2009x New & Enhanced Solution Highlights

Lifelike Experience – 3DVIA V6 applications are designed to deliver highly realistic or “lifelike” experiences online, thereby enabling new classes of users to imagine, interact and engage with 3D content in new ways. V6R2009x and 3DVIA Composer enable new communities of users in customer service, technical training and maintenance operations to leverage their company's strategic PLM investments and reuse this information to create compelling 3D-based composite documents for all types of products. This now includes functional tolerancing and annotation (FT&A) data, all directly accessed from V6 solutions without requiring reverse engineering.

Collaborative Innovation – ENOVIA V6 provides an open, online collaborative environment, on a single IP management platform, for all product lifecycle activities. It federates all product-related

CIMdata PLM Industry Summary

knowledge no matter where it resides. V6R2009x introduces a new configuration management solution which supports product unit effectivity for aerospace manufacturers, as well as a host of new ENOVIA solutions for various sectors, such as CPG, retail, footwear and apparel, life sciences and industries concerned with REACH, RoHS, and FDA regulatory compliance.

Virtual Design – CATIA V6 enables the full spectrum of next generation collaborative virtual design, including shape design, mechanical and equipment engineering, as well as systems engineering integrating requirement, functional, logical and physical product definitions. V6R2009x’s new enhancements include advanced systems simulation within the 3D digital mockup, the “design anywhere, anytime” ability to capture and send intended design changes to offline collaborators, as well as “grid” and “solid” composites design approaches for optimized design and mating with non-composite structural parts.

Realistic Simulation – SIMULIA V6 provides industry communities, from designers to simulation specialists, with a unique collaborative environment for performing lifelike simulation and virtual product behavior testing to make well-informed, performance-based decisions. One of this domain’s key V6R2009x enhancements is the ability to leverage composite material lay-ups created within CATIA to simulate the structural behavior of the product design under dynamic loading, helping to predict the onset of buckling and failure.

Digital Manufacturing and Production – DELMIA V6, powered by V6’s single platform for IP management, delivers a collaborative, lifelike digital manufacturing environment for creating and sharing manufacturing IP and optimizing and executing virtual production systems. V6R2009x delivers a fully-integrated automotive body-in-white weld point management solution for easier collaboration between engineering and manufacturing as well as OEMs and their suppliers, a virtual NC machine simulation capability that extends out DELMIA V6’s NC machining portfolio, as well as robotic workcell and related motion path definition capabilities.

A complete list of functionality enhancements in R2009x is available at www.3ds.com.

 [Click here to return to Contents](#)

Delcam Adds Tribrid Modelling to PowerSHAPE Pro CAD Software

24 November 2008

Delcam has extended the range of triangle modelling options within its PowerSHAPE Pro CAD software to create a more comprehensive Tribrid Modelling system. Tribrid Modelling enables CAD models to be created from solids, surfaces and triangles and so offers a more complete design solution than hybrid modelling using just solids and surfaces. Full details on the new version can be found on the PowerSHAPE Release Centre at <http://releasecentre.powershape.com/>

The Release Centre provides customers and prospective users with a comprehensive overview of the enhancements to the software. Chris Lawrie, PowerSHAPE Product Manager explained: “With any new release we create a huge amount of written material. Often, users are only interested in a small number of the enhancements that might be critical to their application. Finding specific details through print can be quite difficult. The Release Centre provides an interactive video experience that lets the user pick and choose the sections that they want to watch. There are video demonstrations that show the user the key new features, and, more importantly, how to use them. This will help users get up to speed with the benefits of the new version much more quickly.”

CIMdata PLM Industry Summary

The main applications of the new version of PowerSHAPE are expected to be in the medical area, since most data from medical scanners is generated as triangle files, both when creating internal prostheses and when manufacturing external customised aids like orthotics. Haptic arms and similar sculpting devices also produce triangle files so PowerSHAPE Pro will be able to combine designs from this equipment with extra solid or surface data, for example when producing moulds from the sculpted models.

The key addition in the new release is the ability to undertake Boolean operations between pairs of triangle files, or between triangle models and solids or surfaces. PowerSHAPE Pro was one of very few CAD systems able to perform Boolean operations between solids and surfaces. The ability to combine all three file types makes the software even more flexible. The new release can also offset triangle files, making it possible to add thickness to a scanned surface.

The new functionality provides a considerable expansion of the previous ability to add triangle files of logos, branding, textures or other 3D decorations onto the surfaces of PowerSHAPE Pro models. This effect was rather like sliding a transfer over the surface of an object, although it did give the added advantages that the decoration could be scaled or stretched to fit any given area and that the result would be fully three-dimensional. Tribrid Modelling enables all three forms to interact within any design, limited only by the imagination of the user.

The other main development focus has been on improving the ease of use of the software. This becomes apparent as soon as the user starts to sketch the outline of any new design. The Intelligent Cursor both speeds and simplifies geometry creation by giving constant feedback, automatically highlighting items such as the centre-points of lines and circles, plus any potential intersections between lines.

The outline sketch can be converted into a fully-surfaced model using Delcam's unique Smart Surfacing technology. Like other CAD systems, PowerSHAPE Pro provides a number of alternative methods for constructing a surface from a given set of lines, arcs or points. With Smart Surfacing, the choice of method is made automatically by the software to give the best possible surface. If the user is unhappy with the automatic selection, or is simply curious to see other options, he can scroll through the alternative solutions.

Perhaps the most impressive thing about Smart Surfacing is that the software's choice of surfacing method is updated automatically as extra information is added to the selection. As any additional lines or points are selected, the chosen surfacing method is reviewed and the surface regenerated if an alternative solution has become more appropriate.

Any set of surfaces can be converted into a finished model with a variety of powerful and reliable filleting and blending commands. The user simply needs to specify the desired fillet radius and the software will show a series of tracks where fillets of that size will fit. Some or all of the possible fillets can then be created with a single command. In PowerSHAPE Pro, even variable-radius fillets and intersecting or overlapping fillets can be created quickly and easily.

“The addition of triangle modelling represents another significant development for PowerSHAPE Pro,” claimed Delcam's CAD Product Manager, Chris Lawrie. “It adds even more flexibility to a design system that was already one of the most powerful products for the creation of complex shapes in a fully-detailed 3D format. It really does open infinite possibilities to the creative designer.”

 [Click here to return to Contents](#)

IQS Launches Quality Intelligence: Graphical Scorecard and Dashboard Library

18 November 2008

IQS announced the release of its next generation Quality Intelligence Reporting capabilities under the brand name QI: Quality Intelligence. QI provides a layered, drill down structure that starts with high-level graphical reporting for early warning and exception management, and drills down to source data to provide split second problem solving of complex issues.

Scorecards and dashboards are only as good as the data they report. QI has been constructed over IQS' comprehensive enterprise quality database. IQS data feeds QI with data on supply chain, and supplier quality, operations, document/change management, issue and compliance management.

“A company's product quality has become a strategic weapon for competing in the market and capturing the trust of its customer base,” says Michael Rapaport, President and CEO of IQS. “QI is designed to empower decision makers to manage quality in the same way they manage their financials – through intelligent insight and risk-adverse controls.”

“As quality is evolving from a departmental function to a more strategic corporate operation, it was important for IQS to service the growing needs of the enterprise for comprehensive quality information. No longer is the quality manager alone in solving quality problems. Purchasing, Supplier Quality, Plant management, engineering and operations are all being integrated into the process,” said Lori Gipp, VP of Marketing for IQS. QI is IQS' response to the increasingly broad based needs for quality information.

“QI isn't just a nice-to-have, it actually helps our clients react faster, and make better more informed decisions – and critically in this economy; save money,” adds Gipp. As evidenced in the IQS special report, [IQS: Savings Through Quality](#), having an integrated quality program running throughout an enterprise has been proven to save companies millions in labor and scrap costs, and protects the organization against compliance and regulatory fines. Through QI, users are able to pinpoint the underlying issue for bad quality in a proactive approach since data is delivered to the desktop in real-time and coordinated across departments and plants. The value to the organization is that each plant manager, quality executive and c-level decision maker can react quickly to business issues with a high level of confidence in their decision.

QI encompasses the following library of interactive reports:

Supplier Quality Intelligence

- Supplier Audits
- Supplier Communication & Feedback
- Supplier Issues Summary
- Total Estimated Cost of Supplier Rejects
- Quality Cost Summary

Operations / Certification Quality Intelligence

- Compliance Audit Summary
- Document Change Summary
- Employee Training Summary
- Plant Maintenance Summary

Quality Cost Summary

Plant Manager Review

Operations Management Dashboard

Manufacturing Excellence Quality Intelligence

Customer Issues Summary

Internal Operations Summary

Product Launch Summary

Quality Cost Summary

ISO 9000 Management Review Details

Review of Audit

Customer Feedback

Process Performance and Product Conformity

Status of Corrective Action

Follow-up From Previous Meeting

Change Request Impacting the Quality Systems

Recommendations for Improvement

New or Changed Regulatory Requirements

Resource Needs

Detailed Audit Findings

 [Click here to return to Contents](#)

Lattice Technology Releases Lattice3D Reporter Version 2.1

24 November 2008

Lattice Technology® Inc. announced the availability of an upgrade for Lattice3D Reporter, a digital manufacturing application that allows 3D CAD data, process information and linked parts lists to be shared in Microsoft Excel spreadsheets.

Lattice3D Reporter is an application that rapidly inserts 3D data into a spreadsheet, and allows parts lists, BOMs and process instructions in the same spreadsheet to inter-relate to the 3D parts in the assembly. Assembly and disassembly animations saved in the 3D data can also be displayed, while the user can choose to display the 3D data in shaded, edge and illustration modes depending on their corporate standards and preferences. Users are required to convert their 3D CAD data into XVL prior to using Lattice3D Reporter.

Improved Data Handling

Lattice3D Reporter V 2.1 delivers even better functionality than before by allowing the same 3D data to be used across multiple worksheets in the file, thus reducing potential file size, and now has vastly improved data handling capabilities that reduce the Excel file size by 75%, memory usage by 80% and

file opening times by 90%.

Improved features in Lattice3D Reporter V2.1 also include:

Creating a Parts Lists based on the disassembly tree – If a disassembly tree has been created in the XVL data, that data can be used to automatically create an inter-related parts list. This disassembly data also allows Lattice3D Reporter to automatically create exploded views of the 3D data inside the application.

Image Printing Improvements – Change the resolution of images in the 3D spreadsheet to deliver higher quality paper prints of your data.

Snapshot Image Improvements – Select higher or lower resolution for display of 3D ‘snapshot’ images that are in Illustration mode, depending on your needs and standards.

3D spreadsheets created using Lattice3D Reporter can be viewed using the Free Viewer for Lattice3D Reporter, supplied at no charge by Lattice Technology. This allows enterprises to rapidly share fully-functional data via Excel across their extended operations. To find out more about Lattice3D Reporter, go to: http://www.lattice3d.com/products/products_reporter_3d_software.html

3D XVL data can be rapidly edited to create motion simulations, disassembly animations and process instructions using the XVL Studio application. These saved data can then be rapidly reviewed in the 3D spreadsheet.

http://www.lattice3d.com/products/products_studio_3d_software.html

Purchase it in a Package Deal!

Customers interested in using 3D spreadsheets can opt to purchase a package which includes XVL Studio, Lattice3D Reporter and one XVL plug-in Converter and benefit from up to 15% off the list prices of the products. To find out more:

http://www.lattice3d.com/insider/insider_packages_Q308.html

 [Click here to return to Contents](#)

Nemetschek North America Announces Service Pack 1 for Vectorworks 2009

19 November 2008

Nemetschek North America announced the release of its Service Pack 1 for the Vectorworks 2009 product line, which includes Vectorworks Designer, Vectorworks Architect, Vectorworks Landmark, Vectorworks Spotlight, Vectorworks Machine Design, Vectorworks Fundamentals, and Renderworks.

"Vectorworks 2009 was one of our highest quality initial releases in recent years, and with Service Pack 1, we've enhanced the overall quality of the application," says Mark Farnan, Director of Software Development at Nemetschek North America. "For this update, we focused our attention in priority areas: viewport stability, Landmark reporting, and plan rotation improvements."

The Service Pack is available as a downloadable updater. To install the Service Pack, go to the About Vectorworks dialog box in the Vectorworks 2009 application and click Check for Updates.

Vectorworks 2009 was released on September 15, 2008. The Vectorworks 2009 product line features a new engine that gives users superior 2D and 3D capabilities, at speeds that are up to 4-5 times faster for modeling operations. For a product-by-product breakdown of all the new version 2009 improvements,

and to see some of these features in action, visit <http://www.vectorworks2009.net>



New CA Clarity PPM v12 Delivers Requirements Planning to Address the Most Common Cause of Project Failures

18 November 2008

CA introduced a major new version of [CA Clarity PPM](#) to help organizations improve IT governance, reduce the high rate of project failures and extend the benefits of project and portfolio management (PPM) into other areas of the enterprise.

CA Clarity PPM v12 adds capabilities to streamline the planning and tracking of requirements, improve collaboration with project and portfolio stakeholders through the most popular collaboration tool, Microsoft SharePoint, and leverage the market-leading functionality of the system outside of IT. Significant improvements in functionality, integration and automation work together to enable IT executives to better engage with their business stakeholders and IT managers to drive greater efficiency within IT, in project planning, resource management and financial accounting.

“Especially in times of economic uncertainty, business leaders aim to gain the most ROI from their mission-critical IT investments,” said Helge Scheil, corporate senior vice president and general manager, Governance Group, CA. “This new version of CA Clarity PPM delivers to all levels of the enterprise—from CIOs and business executives to project managers and team members—unparalleled visibility into portfolios and requirements, improved efficiency in project delivery, and faster time to value.”

Longtime PPM customer Novell, the provider of SUSE Linux Enterprise, has benefited from hands-on testing of CA Clarity PPM v12 as part of the CA beta program.

“Executing projects efficiently and successfully is a top priority for our organization, given the many products we provide our customers,” said Jeff Jaffe, chief technology officer and executive vice presidents of Products, Novell. “After careful evaluation, we already see several new features in CA Clarity PPM v12 that we know will help elevate project success rates. In particular, we’re interested in how the requirements planning capability gives our organization the ability to contribute and then know the status of their requirements throughout the life of major projects.”

The most important features of CA Clarity PPM v12 include:

Holistic Requirements Planning

To bridge the gap between strategic planning and project execution, CA has integrated requirements planning into its PPM solution. For the first time, PPM users can capture requirements from their customers, translate business requirements into actionable IT deliverables and detailed product roadmaps, and provide requirements traceability throughout the project lifecycle.

Providing requirements planning in CA Clarity PPM allows organizations to replace the use of multiple spreadsheets and disconnected systems to track requirements, which previously led to poor communication, poor visibility, unrealized expectations and ultimately, failed projects.

Improving the requirements planning process is critical to project success. According to a [study by IAG Consulting](#), companies with poor business analysis and requirements capability will have three times as many project failures as successes. The study also found that companies pay as much as a 60 percent

CIMdata PLM Industry Summary

premium on time and budget when they use poor requirements practices on their projects.

Integrations for Business Intelligence

To engage stakeholders and promote improved engagement, CA Clarity PPM v12 now integrates seamlessly with the most popular collaboration tool, Microsoft SharePoint, and with the most popular reporting and business intelligence solution, Business Objects.

With direct integration to SharePoint, project managers, stakeholders and IT executives can seamlessly collaborate atop a familiar Web 2.0 platform to get updates and work together on project scope, plans, documents and action items.

Integration with Business Objects enables users to easily create and tailor BI reports using CA Clarity PPM data in a pre-built environment. CA Clarity PPM v12 ships with pre-configured Business Objects reports and a pre-defined universe for easy custom report creation.

Accelerators to Extend the Adoption of PPM beyond IT

CA Clarity PPM v12 includes modules that facilitate PPM software use outside of the IT department, specifically for new product development (NPD) and for compliance with U.S. federal government mandates.

With pre-configured idea-to-launch and product portfolio management capabilities to develop and create new products efficiently, CA Clarity PPM for NPD accelerates product innovation, optimizes resources and drives product success.

Incorporating [advanced earned value management and reporting](#) in CA Clarity PPM v12 helps U.S. federal agencies and their prime contractors comply with mandates for ANSI/EIA-748-A reporting. This new capability in CA's solution for U.S. federal agencies adds to the existing support for OMB reporting and federal program management.

CA Clarity PPM v12 incorporates numerous enhancements requested by the nearly 1,000 customers actively using the software. The new version will be available to existing and new customers for electronic delivery, and through CA's new CA Clarity PPM On Demand service, on November 25, 2008.

CA Clarity PPM v12 is another example of how CA Enterprise IT Management solutions help organizations drive business value from IT and effectively improve IT economics. With CA solutions in place, such as CA Clarity PPM v12, customers are able to respond more quickly and efficiently to changing conditions and capitalize on emerging business opportunities. The solutions that CA is announcing at CA World 2008 help lower the total cost of ownership of IT by providing faster time-to-value and reducing IT costs through better integration, automation and control.

About CA Clarity PPM

CA Clarity PPM, an industry-leading project and portfolio management solution, enables public and private sector IT organizations to achieve world-class performance by improving the quality of their engagement with their stakeholders and enhancing their ability to run at peak efficiency. The CA Clarity PPM system features integrated IT portfolio planning, demand management, project management, resource planning and time, cost and earned value management. More than 800,000 users at more than 900 companies depend on CA Clarity PPM to govern IT and, increasingly, to manage new product development (NPD). For more information on CA Clarity PPM, please visit www.myclarity.com.

 [Click here to return to Contents](#)

SiliconBlue and Magma Strengthen Technology Partnership

24 November 2008

SiliconBlue™ Technologies, pioneer of an Ultra-Low-Power 65-nm FPGA (Field Programmable Gate Array) technology for consumer applications, announced it has formalized a technical partnership with [Magma® Design Automation](#). The agreement facilitates close collaboration and co-development between the two companies to provide a comprehensive FPGA design environment for SiliconBlue's iCE65™ FPGA product line, which was introduced in June.

Under the agreement, Magma's advanced, timing-driven physical synthesis and placement technology - tailored for SiliconBlue's iCE65 architecture - has been fully integrated into SiliconBlue's iCEcube™ tool flow providing designers with a seamless FPGA design environment from concept to bitstream. The tools support standard constraint formats and provide comprehensive coverage of Verilog and VHDL languages. In addition, the tools take advantage of SiliconBlue's advanced NVCM (non-volatile configuration memory) technology at 65 nm and future process nodes. The iCEcube 2008.9 is available immediately for download at: http://www.siliconbluetech.com/iCube_development_software.php

"Our partnership with Magma gives us and our customers access to proven, state-of-the-art logic and physical synthesis tools," said Kapil Shankar, CEO of SiliconBlue. "The integration of these tools will allow SiliconBlue customers to take full advantage of the benefits of our unique low-cost, low-power iCE65 FPGA product line. We look forward to continuing our co-development work with Magma."

"Reducing chip development costs through increased productivity, improved results and faster turnaround time is a key advantage of the Magma software," said Kevin Moynihan, general manager of Magma's Design Implementation Business Unit. "We're pleased to be working with SiliconBlue to make our superior technology available to a broader set of FPGA designers."

The response to SiliconBlue's low-power FPGAs has been exceptional; within a short period of three months, the company has more than 70 customer engagement / tool installations. Fusao Saito of TOMEN Electronics said, "We have designed the iCE65 device into an application for our leading-edge embedded solution - something that could not have been done with a traditional FPGA. SiliconBlue's single-chip NVCM technology fit our requirements for small space, low cost and easy-to-use tools, and it also allows us to meet critical time-to-market demands."

 [Click here to return to Contents](#)