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Acquisitions

SolidWorks Acquires CircuitWorks Provider Priware

26 March 2008

[SolidWorks Corporation](#) announced it has acquired U.K.-based Priware Limited, a SolidWorks Gold Partner and developer of CircuitWorks™ software, which bridges the gap between electronic CAD and mechanical CAD software. The acquisition gives engineers around the world a platform to integrate electronic and mechanical designs for the millions of electronic products developed every year.

“The electronics industry is inherently becoming more complex, meaning we as engineers are increasingly challenged to arrange for proper interaction between electronic components and their mechanical environment,” said Gert Lamberts, project manager at security and electronic control unit supplier N.V. Nedap (<http://www.nedap.com>). “Working in separate programs with PCB makers slows the process and increases the chance we’ll have to re-work something. The integration of SolidWorks and CircuitWorks is a marriage of high-performing tools that lets us innovate and collaborate, rather than simply recreate new products.”

Previously, much of electronics development involved designing the product to fit around the electronic components. SolidWorks and CircuitWorks together let engineers design PCBs to fit inside ever more stylized product frames, whether an MP3 player or the dashboard of a new car.

For example, a mechanical engineer can use CircuitWorks to include a PCB design (in industry-standard IDF and PADS file formats) in the SolidWorks solid model of a new global positioning system (GPS) device to help ensure the PCB is not too close to any metal contacts. SolidWorks Routing would allow the engineer to create the wire harness to connect to the PCB. The engineer would also be able to gauge

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how the PCB will stay in place using COSMOSWorks® design validation software, and check heat flow using COSMOSFloWorks™ thermal dynamics analysis software.

The acquisition further establishes SolidWorks software as an indispensable platform for developing highly complex mechatronics systems, which combine electrical, mechanical, and information processing components found in consumer electronics and robotics. SolidWorks and CircuitWorks combined let mechatronics engineers use digital modeling to improve product quality, reduce prototyping, and streamline development.

“Very few products made today are purely mechanical,” said SolidWorks CEO Jeff Ray. “As products become ‘smarter’ with more complexity, electronic components are increasingly driving the design. The lines are blurring between electronic and mechanical industries, and this acquisition is a natural step toward helping engineers be more innovative and proficient in this changing climate.”

Availability and pricing

CircuitWorks is immediately available as a component of SolidWorks Office Premium. It will be provided to existing Premium customers at no additional charge.

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Watchtower Completes the Recommended Cash Offer to the Shareholders in Telelogic

27 March 2008

This Offer is not being made nor will any tender of shares be accepted from or on behalf of holders in any jurisdiction in which the making of the Offer or the acceptance of any tender of shares therein would not be made in compliance with laws of such jurisdiction. The Offer is not being made, directly or indirectly, in or into Australia, Canada, Japan or South Africa. The Offer is being treated in the United States as one to which the “Tier II” exemption mentioned in Rule 14d-1(d) under the U.S. Securities Exchange Act of 1934 is applicable. The press release has been published in Swedish and English. In the event that there are any differences between the language versions, the Swedish version shall prevail.

International Business Machines Corporation (“IBM”), through its indirect wholly-owned subsidiary Watchtower AB (“Watchtower”) (previously Goldcup D 2933 AB), a Swedish private limited liability company, announced on June 11, 2007 a recommended public cash offer to the holders of all issued and outstanding shares in Telelogic AB (publ) (“Telelogic”), to tender all Telelogic shares to Watchtower (the “Offer”). The Offer has been unanimously recommended by the Board of Directors of Telelogic.

By March 19, 2008, being the end of the extended acceptance period under the Offer, Telelogic shareholders holding an aggregate of 239,591,672 shares, corresponding to approximately 96.9% of the share capital and the total number of votes in Telelogic, had accepted the Offer.

All conditions of completion of the Offer have been satisfied and Watchtower therefore declares the Offer unconditional. Settlement in respect of the Telelogic shares duly tendered by March 19, 2008, is expected to occur on or around April 2, 2008.

Except for the Telelogic shares tendered under the Offer, Watchtower has not purchased any Telelogic shares.

Watchtower has decided to extend the acceptance period until 17.00 (CET) on April 3, 2008, to enable Telelogic shareholders who have not yet accepted the Offer to accept the Offer. Settlement in respect of this extended acceptance period is expected to occur on or around April 15, 2008.

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Watchtower intends to initiate compulsory acquisition proceedings with respect to those Telelogic shares not tendered in the Offer. It is expected that an announcement with respect to delisting of the Telelogic shares will be made in the near future, after discussions with the OMX Nordic Exchange Stockholm.

Watchtower may purchase further Telelogic shares on the market.

The offer document in a Swedish and an English version and other information about the Offer is published on <http://www.ibm.com/software/rational/welcome/telelogic/>, on <http://www.telelogic.com> and on <http://www.nordea.se/placera>.

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CIMdata News

CIMdata in the News: “Designing for Mechatronics”

25 March 2008

CIMdata’s Director of Research, Ken Amann, is quoted in the article “Designing for Mechatronics” ([Design News](#)) that discusses the necessity in product development to integrate mechanical, electrical and software components into products in a more concurrent, systems engineering approach where all the disciplines collaborate early on in the process. The reason for this cross-discipline collaboration is that companies can no longer afford to have possible design flaws or incompatibilities between systems at the end of the design cycle when making changes is expensive and an impediment to shipping products in a timely manner.

Mr. Amann notes. “Electromechanical design has been around for a while, but what that’s really meant is a bunch of people over here doing mechanical design and others over there doing electronics and software and someone bringing them together, but it wasn’t very well-coordinated and not very well-managed,” says Ken Amann, director of [research] for [CIMdata Inc.](#), a research and consulting firm specializing in engineering practices. “Under the banner of mechatronics today, we’re trying to tie those processes more closely together so there really is interaction going on between the areas and one can see where one might influence the other more quickly.”

Click [here](#) to read the full article.

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CIMdata in the News: “From mind to market...”

24 March 2008

CIMdata’s knowledge of the PLM market is cited in “From mind to market...”, an article from Hindu Business Line, discussing the use of Product Lifecycle Management (PLM) solutions “to launch products in the market at intervals and prices considered unthinkable a few years ago”:

According to CIMdata research, the strong growth of automotive industries in India, accompanied by extensive offshoring of design and development activities by MNCs such as GE, GM, Ford, and Caterpillar, is fuelling the local market for PLM solutions.

Click [here](#) to read the full article.

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Company News

Autodesk Recognizes Elite Platinum Club of Top-Performing Resellers

25 March 2008

At its recent annual channel partner conference, One Team Conference (OTC), [Autodesk, Inc.](#) honored 48 value-added resellers by inducting them into Platinum Club 2008, an elite group recognized for top sales performance and outstanding customer service in fiscal year 2008.

Autodesk Platinum Club members include channel partners who have excelled in sales, growth and other key measures. The Platinum Club also includes channel partners who were the leading education, government or distribution partners in their Americas sales region.

Platinum Club 2008 Winners

Category	Partner/Winner	Principal/Individual Winner
25 Years as an Autodesk VAR	Applied Software Technology, Inc.	Richard Burroughs, III
25 Years as an Autodesk VAR	Autodraft, Inc.	Claire Botkin
25 Years as an Autodesk VAR	CADD Centers of Florida, Inc.	Richard Neiman
25 Years as an Autodesk VAR	IRISCO	Ricardo Talbort
25 Years as an Autodesk VAR	Kelar Corporation	Mo Mansouri
25 Years as an Autodesk VAR	KETIV Technologies of CA, Inc.	Kanwar Anand
25 Years as an Autodesk VAR	Robotech CAD Solutions, Inc.	Shlomo Marom
Canada Media and Entertainment Criteria	Annex Pro	Kerry Corlett
Canada Top BSD Growth	Autodraft, Inc.	Claire Botkin
Canada Top MSD Growth	IRISCO	Ricardo Talbort
Canada Top Reseller in Total Volume	CAD Microsolutions, Inc.	Brad Porter
Customer Loyalty - Truly Loyal	CAD Masters, Inc.	Michael Self
Customer Loyalty - Truly Loyal	JVH Engineering, Inc.	James Jacobitz

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Education Growth	CVIS	Dr. William Rice
Education Volume	Torcomp, Inc.	Frank Nanfara
FY'08 Reseller of the Year	D3 TECHNOLOGIES	Kevin Schlack
ISV Partner - Total Volume	2020 Technologies	Steve Compton
ISV Partner - YOY Growth	Open Archive/Service Point	Dave Wilson
Latin America Media and Entertainment Criteria	Cadritech	Francisco Tripiano & Claudia Possenti
Latin America Top Distributor Highest % of Quota	PARS	Pedro Da Silva
Latin America Top Distributor YOY Growth	Incotel	Gustavo Crescio
Latin America Top Reseller in Total Volume	COMGRAP	Gabriela Ward
Latin America Top Vertical Reseller	Mapdata	Paulo Eduardo Onuchic
M&E Systems - Most Valued Reseller Award	AltSystems, Inc	Lauren Guess
M&E Systems - Most Valued Reseller Award	CineSys, Inc.	Mike Winkelmann
Marketing Excellence	MasterGraphics, Inc.	Darin Tessier
Media and Entertainment Criteria (E)	Austin Business Computers	Barbara Bottorf
Media and Entertainment Criteria (E)	RFX	Ray Feeney
Rookie Partner of the Year	InterWEST Technology Group (ITG)	Jeremy Hale
Top "Shooting Star"	Sandra Birmaher	Sandra Birmaher
Top Bookings Growth	Applied Technology Group, Inc.	Scott Landers
Top Subscription Renewal	CADD Microsystems, Inc.	Jeff Gravatte

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Top US Government Reseller - Growth	Microdesk, Inc.	Michael Delacey
Top US Government Reseller - Volume	The D.C. CADD Company, Inc.	Doug Wietbrock
Vertical Awards - M&E V Growth	Microsol Resources Corp.	Emilio Krausz
Vertical Awards - Top BSD Growth	The PPI Group	Tigue Howe
Vertical Awards - Top BSD Volume	Ideate, Inc.	Bob Palioca
Vertical Awards - Top ISD Volume	Comm-Tech	Mike Ontiveros
Vertical Awards - Top ISD-C Growth	Total Cad Systems, Inc.	Roger Padamada
Vertical Awards - Top ISD-G Growth	Avatech Solutions	George Davis
Vertical Awards - Top MSD Growth	Advanced Micro Systems, Inc.	Brad Whittemore
Vertical Awards - Top MSD Volume	ALACAD	Kirk Newell
Volume Sales Awards - AutoCAD Map 3D Seats	Construction Industry Solutions, Corp.	Sharon Lechon
Volume Sales Awards - Revit Seats	Applied Software Technology, Inc.	Richard Burroughs, III
Volume Sales Awards - Total Volume (1st)	U.S. Cad, Inc.	Danny Counts
Volume Sales Awards - Total Volume (2nd)	ECAD, Inc.	Carole Eckert
Volume Sales Awards- Autodesk Inventor Suite/Autodesk Inventor Professional Seats	Synergis Technologies, Inc.	Betty Broza
Volume Sales Awards- AutoCAD Civil 3D Seats	CAD-1, Inc.	James Sirko, P.E.

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Cadence Expands and Accelerates Development in China

18 March 2008

Cadence Design Systems, Inc. announced the expansion and relocation of its research and development

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center to Shanghai Pudong New District. The new center will be located in Zhangjiang High-Tech Park, a hub for the high-tech industry in eastern China with a growing number of semiconductor companies. The expansion of its research and development (R&D) force highlights Cadence's commitment to promote the development of the semiconductor industry in China. And with the new center, [Cadence](#) expects to attract more local and international IC and EDA talent to boost its R&D capabilities and, in turn, provide world-class service to the local customers.

In today's competitive market, R&D is key to sustained growth and business development. The new center in Shanghai, which facilitates, improves and accelerates new product development, can help Cadence fine-tune its products and services to meet local clients' requirements. The center will enhance Cadence's overall global R&D capability, and Cadence expects it to become an integral part of China's innovation ecosystem.

"As a 20-year-old company, the Cadence R&D center in Pudong has played a key role in the company's global R&D strategy and in the development of China's semiconductor industry," said Yin Hong, the vice president of Zhangjiang (Group) Company. "With the solid foundation built in the past years and the tremendous support from the government, Shanghai Zhangjiang High-Tech Park has become the wheel that drives forward China's technology development and original innovation. Along with the relocation of its R&D center to Zhangjiang's microelectronics hub, Cadence has increased its research staff and added new research equipment. It will be an opportunity for the park to enhance its software capabilities, both in terms of scale and quality."

"By expanding the R&D office in Shanghai Pudong New District, Cadence further demonstrates its commitment in China to be an integral part of our innovation ecosystem," said Ye Tianchun, director of the EDA Center of the China Academy of Science. "The expansion will position Cadence closer to customers, demonstrating the company's leadership in electronic design technology and enabling the delivery of holistic solutions to address customers' most pressing design challenges. We are looking forward to our continuing collaboration with Cadence."

"With its fast-growing semiconductor and electronic industries, China has always been a very important market for Cadence, and a crucial part of our global strategy," said Lung Chu, president of Cadence Asia Pacific and corporate vice president of Cadence Design System, Inc. "At Cadence we value the growth of our local customers, as well as our long-term partnership with local governments. Hence we consider the expansion of our Shanghai R&D center a definite next-step in our collaboration with the government, which allows us to better anticipate our customers' challenges and to provide higher-level services and products to meet their EDA needs."

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Dassault Systèmes Joins FIATECH to Power Stronger Collaboration in the Energy, Process and Construction Industries

31 March 2008

Dassault Systèmes ([DS](#)) announced that it has joined [FIATECH](#), a non-profit consortium that provides global leadership in identifying and accelerating the development, demonstration and deployment of fully integrated and automated technologies to deliver the highest business value throughout the lifecycle of all types of capital projects.

Dassault Systèmes has years of experience helping construction and energy companies manage the complex and critical designs that are hallmarks of these industries. With millions of dollars already

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committed to these projects and strict regulatory requirements that need to be factored in, engineering and construction organizations need a solution that can bring people and processes together—and provide all involved with the resources needed to successfully design, construct and lifecycle manage the asset .

“In today’s global economy, the decision makers, designers and engineers involved in capital projects could be located in several different places using various software systems. For projects to succeed, all involved parties need to be able to share information on a regular basis,” said Richard Jackson, director, FIATECH. “FIATECH and Dassault Systèmes are a natural fit as the organizations share a common goal of solving interoperability issues, improving information exchanges and enhancing collaboration among owner-operators, OEMs, partners and suppliers.”

Founded under the auspices of the University of Texas at Austin, FIATECH has made significant headway against its initial founding objective—to establish a comprehensive Capital Projects Technology Roadmap that describes the operational context for a capital project and identifies opportunities to apply technology that integrates and automates execution more effectively. FIATECH members work together on projects organized around mutually-agreed priorities and share in the deliverables, which include all forms of intellectual property (IP) from technology forecasts, to XML schemas for data interchange, to on-site tests of the latest technologies.

“Dassault Systèmes has long been dedicated to providing ways for organizations to easily share information throughout all stages of the project lifecycle,” added Rolf Gibbels, director and worldwide industry leader of the company’s energy practice. “We are excited to work with the other consortium members to establish a common set of standards, establish PLM in the industry and improve the efficiency and success of capital-intensive projects.”

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Dassault Systèmes’ Serves the Global Automotive Market with Unified Brand Approach

27 March 2008

Dassault Systèmes ([DS](#)) announced that it has changed the name of its North American location from Delmia Corp. to [Dassault Systèmes Delmia Corp.](#) This office serves as the North American Automotive Business Unit as well as the world headquarters for the DELMIA Digital Manufacturing brand. The name was changed so customers can better recognize the synergy of the entire DS PLM portfolio inclusive of CATIA for design, DELMIA for process development, ENOVIA for data management and collaboration, and SIMULIA for realistic simulation.

The North American office is located just north of Detroit where it supports the automotive industry, the largest manufacturing sector in the United States. The use of 3D digital design and manufacturing solutions among automotive OEM and Tier suppliers continues to increase as companies discover the benefits being gained with a PLM strategy. All of the world’s major automakers use DS PLM solutions, with CATIA itself productively used by 23 out of 30 OEMs. Additionally, over 75 percent of new vehicles are being designed in CATIA.*

“Our Dassault Systèmes CATIA customer installed base is taking the action to implement DELMIA for its manufacturing planning needs as a natural next step in developing a single source comprehensive PLM strategy,” said Patrick Michel, vice president industry solutions and marketing, Dassault Systèmes Delmia Corp. “The automotive manufacturing community needs to recognize that digital manufacturing technologies have gone far beyond point solutions into comprehensive technologies specifically

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packaged for domains such as Body-in-White. The DELMIA Body-in-White solution allows process planners to define the overall process by identifying welding points and tools, validate the throughput, identify potential bottlenecks, and modify the line as needed.”

Digital manufacturing solutions are being implemented at many leading OEMs around the world, demonstrating benefits that include shortened product development cycles, reduced manufacturing costs, improved product quality, and early validation of manufacturing processes.

“An enormous time reduction has been achieved since we began implementing the DELMIA digital factory tools. We regard the digital factory as a working tool serving to make our processes more efficient,” outlines Dr. Markus Baur, project manager in Production at Škoda auto a.s., an affiliated company of the Volkswagen Group.

Another major automotive customer shared similar sentiments about the benefits of Dassault Systèmes’ DELMIA solutions contributing to their success. “With DELMIA Process Engineer, we have the opportunity to play out various scenarios, to arrive at the ideal mix in terms of how many work cycles and employees we need,” explains Thorsten Franz, process planner at the newest MAN truck assembly plant in Niepolomice, Poland. “We have already achieved significant synergies from the collaboration among the Logistics, Technology and Assembly Divisions, and achieved considerable cost savings.”

This U.S. location will also continue to support the DELMIA Digital Manufacturing and DELMIA Automation business for other vertical industries segments including industrial equipment, consumer goods, aerospace, shipbuilding, construction, and electronics.

* based upon introductory vehicles at the 2006, 2007 and 2008 NAIAS in Detroit.

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Howard Clark Named Vice President of Strategic Alliances; Powerway, Inc. Again Bolsters Marketing Team

25 March 2008

Powerway, Inc. has announced the appointment of Howard Clark as Vice President of Strategic Alliances.

Powerway continues to support its global initiatives with strong additions to its stable of sales and marketing executives. This commitment is again in evidence with the addition of Howard Clark, who will cultivate strategic partnerships in his Vice President of Strategic Alliances role.

Powerway Chairman & CEO, Dave Chambliss, stated, “We’re happy to have someone of Howard Clark’s ability and we will rely heavily on his talent and experience. Expanded relationships with other PLM vendors are key components in our overall marketing strategy. We’re confident Howard can cultivate these partnerships and capitalize on Powerway’s natural synergies with other platforms”.

“The ability to interoperate and integrate among and between complementary Product Lifecycle Management (PLM) platforms adds extraordinary value to the Powerway offering,” said Jim Kanir, [Powerway](#) President and Chief Operating Officer. “Our business partners and our customers will benefit as well by Howard’s relationship building talents”.

Howard Clark has a proven twenty-five year record of success in building business relationships between technically-oriented businesses. IBM, Manugistics, Synquest, GTI, and FreightQuote.com are among the organizations that have benefitted from Howard’s expertise. Most recently, as head of Partner

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recruitment at Sage Software, Mr. Clark helped hundreds of partners join the Sage partner network resulting in millions of dollars of shared revenue between channels and tremendous extended value for Sage Software clients.

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NGC Moves to New Corporate Headquarters to Keep Pace With Rapid Growth

25 March 2008

NGC® (New Generation Computing®) announced that the company has relocated to new, larger corporate headquarters in Miami. The move will enable NGC to continue adding technical services, professional services and marketing personnel. NGC is a leader in software for the apparel and retail industries, with a comprehensive suite of end-to-end solutions for PLM (e-PLM), Global Sourcing (e-SPS®) and ERP (RedHorse®).

"Today's apparel brands and retailers face critical needs to improve speed to market, gain visibility throughout the supply chain, and deliver higher-quality products," said Alan Brooks, president, NGC. "NGC's software helps companies meet these challenges with a fully integrated, web-based solution, and we are experiencing unprecedented demand for our PLM, Global Sourcing and ERP solutions. With our new corporate headquarters, NGC can continue to grow as we deliver the highest quality software and support to our expanding customer base."

NGC's new corporate offices are located at 14900 NW 79th Court; Miami Lakes, FL 33016; phone (305) 556-9122; fax (305) 828-6358. In addition to its Miami headquarters, NGC has offices in New York, Los Angeles, China, India, Mexico and El Salvador.

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WorkNC 20 Years On

5 February 2008

In the late eighties, CNC programming of complex components was a difficult and lengthy process. This was when Bruno Marko, CEO and Gérard Billard, R&D Innovation Manager, the driving forces behind **Sescoi**, pioneered the development of a new, reliable and automatic 3-axis CAM system, which led to the launch of WorkNC in 1988.

Over the years, SESCOI has stuck to the original philosophy behind WorkNC: to speed up toolpath calculations, ensure optimum reliability to facilitate machining directly into hard materials, and maximise ease of use so that programming can be carried out on the shopfloor. Automation is a theme which runs throughout the development history of the software. According to Bruno Marko, "WorkNC's aim has always been to be the closest thing possible to 'single-button' CAM".

20 years later and WorkNC has evolved into a world leading CAM/CAD solution for 2 through to 5-axis machining.

Gérard Billard commented, "Only a small percentage of companies are equipped with 5-axis machining centers so there is a high potential for growth in this market. Our 5-axis system, first developed in 2001, includes a full range of tools such as machine simulation and toolpath editing to generate risk free cutterpaths." Auto 5, unique to WorkNC, was the next step, automatically transforming 3-axis toolpaths into 5-axis movements. This process brings 5-axis programming within the grasp of manufacturers

CIMdata PLM Industry Summary

everywhere, enabling them to speed up and improve the quality of their toolpaths and machine more of a complex part in one setting. WorkNC's 5-axis capabilities have been further extended in WorkNC G3, the third generation of the software launched last year.

WorkNC G3 has a single ergonomic interface which combines interaction and manipulation of CAD data with intelligent toolpaths and simulation. The new standards in ease of use set by this latest version are intended to further build on the software's global success.

At the end of 2007, WorkNC was the most widely used CAM system in Japan for the third year running, according to the Nikkan Kogyo Newspaper annual survey of Japanese die and mold makers, and it has achieved prominence worldwide in a range of industries. WorkNC customers include names such as the ARRK Group, RYOBI, Playmobil, Eurocopter, Samsung as well as all US, European and Japanese car makers.

Today Sescoi's turnover exceeds Euros 20 million and it continues to invest heavily in WorkNC's development, allocating Euros 2.5 million in 2006 to its development centers in Europe and Japan. WorkNC's route to market is through its eight subsidiaries in France, Germany, USA, UK, Japan, Spain, India and China as well as an extensive distributor network.

Gérard Billard concluded, "We are constantly working on new strategies and calculation algorithms to improve tolerances, times, knowledge management, and hence ease of use. Collaborating with users and reacting rapidly to their requirements will continue to drive the evolution of WorkNC, ensuring that we continue to deliver perfect reliability and leading edge technology."

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Events News

Dassault Systèmes Announces 2008 International Abaqus Users' Conference

27 March 2008

Dassault Systèmes (DS) announced that keynote lectures from The Boeing Company and Toyota Motor Corporation as well as more than 50 customer presentations will be featured at the annual international Abaqus Users' Conference (AUC), being held May 19–22, 2008, in Newport, Rhode Island.

The 2008 AUC keynote speakers are Kurt Kuhn, structural analysis tools manager, The Boeing Company and Hiroo Yamaoka, project general manager, advanced CAE division, Toyota Motor Corporation.

"We are extremely pleased that Mr. Kuhn and Mr. Yamaoka will provide insight into how their respective companies are using realistic simulation to drive innovation," stated Ken Short, VP strategy and marketing, SIMULIA. "The 2008 AUC focuses on best practices of using and managing simulation technology and methods. When applied and managed properly, realistic simulation enables companies to lower costs and save time throughout the product development cycle while increasing product quality and innovation."

Hosted by SIMULIA, Dassault Systèmes' brand for realistic simulation, the three-day conference will feature presentations by more than 50 customers and 16 technology partners on their use of simulation technology to accelerate product research and development. The agenda will also include General Lectures on new technology and methods for applying unified Finite Element Analysis, Multiphysics, and Simulation Lifecycle Management, and a number of industry-focused Special Interest Groups. The

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conference will be preceded by a full day of Advanced Seminars providing in-depth instruction on the theory and application of the latest Abaqus capabilities.

Other conference highlights include industry-focused presentations from leading companies such as ATK, Dow Chemical, Faurecia, Fiat Group Automobiles S.p.A., Ford Werke GmbH, Halliburton Company, Hankook Tire Company, Magna Powertrain, Mercury Marine, Motorola, NASA Langley Research Center, Robert Bosch Corporation, Rolls-Royce Marine, SCANIA, Siemens Power Generation, Tata Motors, Zimmer, and more. Engineering experts will present details of their simulation applications, such as crashworthiness and safety in automotive and marine industries, material modeling in biomedical fields, fatigue analysis in automobiles, thermal analysis of disc brakes, analysis of building structures under fire conditions, hydroplaning simulation of tires, nonlinear buckling in energy exploration, and other topics.

A record number of industry partners are sponsoring this year's event. Sponsors demonstrating complementary technology solutions include: ACUSIM Software, Advanced Micro Devices, AVL List GmbH, Beta CAE Systems SA, Capvidia BV, CD-adapco, CEI, Elysium Inc., e-Xstream engineering, Fraunhofer Institute SCAI, Granta Design Limited, Hewlett-Packard, IBM, Intel Corporation, LMS International, Magna Powertrain/Engineering Center Steyr, Northwest Numerics & Modeling, Platform Computing, Quest Reliability, Red Cedar Technology, Safe Technology Limited, SGI, Software Cradle Co., and Zentech International Limited.

For more details and to register for the 2008 AUC, visit <http://www.simulia.com/AUC2008>.

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ESPRIT 2008 at METAV, Düsseldorf, Germany, March 31-April 4, 2008

25 March 2008

DP Technology will exhibit the latest version of its software, ESPRIT 2008, at METAV, International Fair for Manufacturing Technology and Automation, to take place in Düsseldorf, Germany, March 31-April 4.

Presenting an inclusive range of manufacturing technologies for the metal working industry, METAV showcases the latest in product developments and solutions. Designed to serve the customer, METAV covers everything from machine tools, precision tools and automation technology to complete systems.

Those interested in learning more about the advantages of ESPRIT will be treated to one-on-one demonstrations and presentations of new features available within the latest generation of the product, as well as personal attention from DP staff.

Advancements available within this latest release include turning stock automation for lathes, EDM machine specific machining technology, improved 3D machining performance open pocket milling, B-axis turning for 5-axis mill-turn machines, and more.

Advancements built into ESPRIT 2008 improve the performance of the CAM software by reducing the time required to produce part programs, increasing the quality of those programs and helping to reduce machining cycle times. These enhancements include significant improvements for milling, turning and wire EDM programming, and will be exhibited at the METAV show.

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Program Announced for 45th Design Automation Conference

25 March 2008

The Design Automation Conference (DAC) released the complete technical program for the 45th DAC, to be held June 8 - 12, 2008 at the Anaheim Convention Center in Anaheim, Calif. This year's technical program features 138 papers, selected from 639 submissions, offering design engineers, managers, researchers and developers insights on the latest results and emerging trends in the design of electronic circuits and systems, and EDA. The 45th DAC also will feature eight special sessions, six full-day tutorials, seven panels plus 20 pavilion panels on the exhibit floor, and six hands-on tutorials. The complete program is now available on the DAC Web site at <http://www.dac.com>.

DAC also announced its slate of three distinguished keynote speakers for this year's conference. Justin R. Rattner, Chief Technology Officer, Intel and an Intel Senior Fellow, will deliver the opening keynote on Tuesday, June 9 on "EDA for Digital, Programmable, Multi-Radios." The keynote on Wednesday, June 10 will be delivered by Dr. Sanjay K. Jha, Chief Operating Officer and President, Qualcomm CDMA Technologies Group. The final keynote speaker, Jack Little, President and a co-founder of The MathWorks, will present, "Idea to Implementation: A Different Perspective on System Design" on Thursday, June 11.

Every year approximately 10,000 attendees visit DAC representing EDA, chip, and electronics companies as well as universities. This year they will also be able to participate in the 13 workshops during DAC, as well as the additional co-located events, MEMOCODE 2008 and NANOARCH 2008, and an adjunct event, the Global STC (Semiconductor Test Consortium) Conference.

The 45th DAC will feature 36 technical sessions in six tracks including multi-core, system-level design; design for manufacturability (DFM); and verification. A special wireless theme will include an all-day track of sessions on Wednesday, June 11, with a panel that will identify readiness for next-generation wireless multimedia devices and a special session titled, "Business Meets Technology." A new iDesign track on Tuesday will offer designers two practical sessions; the first on how to build a practical physical implementation flow, the second on the class libraries in SystemVerilog that enhance productivity, with both VMM and OVM methodologies discussed. The popular Wild and Crazy Ideas (WACI) returns for its second year highlighting forward-looking innovative ideas.

On Tuesday, June 9, DAC will offer a Management Day track with three sessions that provide an opportunity for managers to gain insights from their peers in the industry. Managers representing key independent device manufacturers (IDMs) and major fabless companies will discuss today's changing design needs and demonstrate corresponding management decision criteria to make the right choices from a pool of alternate options for flows, methodologies and suppliers.

This year's program reflects the emergence of multicore technology with a special session exploring issues related to their use for general-purpose as well as EDA applications. This is followed by a two-part panel — the first part examines the outlook for EDA on multicores, providing the perspective of the major EDA vendors, while the second part addresses the design of multicore systems. Other parts of the program will illustrate how embedded systems are going multicore as well and a practical session for verification engineers will detail how to achieve coverage convergence and verify multi-threaded processors. This emphasis is also evident in a special full-day tutorial designed to provide a learning experience on programming for multiprocessors.

Six full-day tutorial presentations are scheduled for Monday, June 8 and Friday, June 13. Taught by practitioners from the field, the topics will span modern software programming, DFM, system-level

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synthesis and verification, system-level design for embedded systems, low-power design and practical mixed-signal design principles, all with an emphasis on technology fundamentals for real-life designs.

Six vendor-presented hands-on tutorials scheduled throughout the conference will focus on the role of intellectual property in a design methodology. The theme “Embedding IP in your design: challenges and solutions” will give attendees first-hand experience with vendor tools, IP selection and IP integration.

Thirteen workshops will be offered on Sunday and Monday on an array of design topics. The annual Workshop for Women in Design Automation (WWINDA) will be held on Monday, June 9, 2008 on the theme, “Networking, Negotiation and Nonsense: Achieving Balance in an Unbalanced World.”

Registration

Advance conference registration opens today. To register for DAC visit <http://www.dac.co> or call 1-800-321-4573 in the U.S. to request registration materials. The advance conference registration discount deadline is May 19, 2008.

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Siemens PLM Software Empowers Channel Partners to 'Sell the Power' at Asia Pacific Go! 2008 Conference

24 March 2008

Siemens PLM Software announced that more than 700 attendees participated in Go! 2008, Siemens PLM Software’s Asia Pacific Channel Partner Conference.

Themed ‘Sell the Power,’ the conference provided Siemens PLM Software’s channel partners with the foundation to grow their business through 2008. In addition to providing partners with sales and technical training to more effectively sell and support customers, Siemens PLM Software shared its vision for continued mutual growth.

“The goal of Siemens PLM Software’s Go! 2008 Conference is to empower our channel partners to become knowledgeable and trusted advisors so they can help our joint customers succeed,” said Tony Jolly, vice president of Channels and Products for Asia Pacific, Siemens PLM Software. “We were delighted to see close to 100 additional partner attendees than the previous year. This increase in momentum is representative of our efforts to grow channel capacity across Asia Pacific.”

“Siemens PLM Software has shown through increased investment and support that it is committed to enhancing its channel relationships and helping channel partners succeed to create a win-win situation,” said Zhu Cai Hua, general manager, UDS, a Platinum Partner that sent its entire team of over 50 employees to participate at Go! 2008. “UDS prides itself in providing our customers with best-in-class technology and service and the support that Siemens PLM Software has provided in the development of our employees is invaluable. We see strong benefits from the sales, marketing and technical training provided during Go! 2008 and we look forward to continuing our successful relationship with Siemens PLM Software.”

The conference provided partners with a wide range of technical training including 11 different technical tracks covering the entire product portfolio, project management and implementation methodologies. Sales training addressed the industry value of PLM for the automotive, high-tech and machinery segments as well as specific product sales tracks. Partners were also offered a specially customized marketing workshop outlining best practices for effective marketing activities.

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Awards were presented to top performing Asia Pacific Channel Partners in various categories. The Top Asia Pacific Channel Partner Award for 2007 went to Nanjing Zhixiang from China for their strong growth and customer success in 2007, based on a foundation of sustained commitment and investment in the PLM business over several years.

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VX CAD/CAM Version 13 Highlighted at MICAD - Paris

24 March 2008

VX Corporation announced that the new VX Version 13 will be highlighted at MICAD 2008.

MICAD will be an opportunity for product designers and manufacturers to get a firsthand look at how VX improves their productivity with real-time surface and draft analysis. VX Real-time analysis lets designers get instant feedback regarding the look and feel of a product and its “moldability” while modeling, and more importantly, to be able to make changes on the spot to correct any problems. Mold designers can also take advantage of this new technology since they can turn on the back-draft analysis display mode while splitting cores and cavities. This ability to work uninterrupted shortens design times and reduces errors. Another visualization enhancement is the new dynamic slicing which allows designers, mold makers and machinists to slice parts and assemblies checking for interference, cooling channel clearances, and wall thicknesses.

Enhancements to VX’s QuickMill™ for mold machining that will be on display include new SmoothFlow™ technology that ensures smooth finishes for reducing polishing time while maximizing machine tool efficiency and reducing machine wear and tear. Other CAM enhancements include Offset3D Feature Aware Machining where tool path motion is automatically adjusted to preserve fine sharp edged detail; Variable Z Level machining for containment of simple tool paths for better finishes with no wasted motions; and XML output to help streamline shop floor communication.

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VX to Demonstrate Mold Design Automation and Machining at Eurostampi

25 March 2008

VX Corporation will be demonstrating a comprehensive mold-making solutions at Eurostampi in Parma, Italy April 3-5, 2008.

The mantra for this year’s show —“Ideas” are at the root of every successful business — will be aptly fulfilled at the VX booth, with demonstrations of mold design automation tools and new machining automation tools optimized for high-quality molds.

In addition to demonstrating productivity tools for generating parting lines on complex surfaces, for automatically healing “dirty” geometry, fixing undercuts, and analyzing and fixing draft angles, VX’s mold automation design tools will be demonstrated. VX mold automation design combines VX’s advanced modeling tools with MoldExpert, a library of smart components for creating intelligent mold assemblies with parametric cooling channels, sliders and ejectors, all of which are accessed through an intuitive interface fashioned specifically for the mold design process. With MoldExpert smart components, users can select components for mold assemblies such as fasteners to a series of plates, and VX automatically calculates the required length, clearances and manufacturing methods.

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For machining molds, VX's new intelligent machining automation will be demonstrated. VX's QuickMill™ intelligent machining automation captures machining logic into a library that can be instantly applied to another part. With QuickMill, users apply their own intelligence to machining. This is possible because QuickMill takes a unique, whole part approach to machining. Users establish "rules of engagement" to control and contain tool paths. VX QuickMill even automates small changes to individual machining operations; for example, changing a tool size automatically adjusts the XY step over in a roughing operation. This rules-based approach is extremely effective in rest milling operations, where the machinist simply wants VX to remove the material that the previous operation didn't remove. The automation comes from machinists storing their logic and intelligence in re-usable templates of operations. QuickMill, available for both roughing and advanced finishing operations, provides optimum tool loading, extremely efficient material removal, and high quality finished molds to reduce machine wear and tear, improve machine tool utilization, and reduce polishing time.

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VX to Demonstrate New Automated Machining at METAV 2008

26 March 2008

VX Corporation will be demonstrating major productivity and machining quality enhancements to VX's QuickMill™ suite of milling tools at METAV 2008, March 31 – April 4 in Düsseldorf, Germany.

METAV is established as an international manufacturing technology and automation showcase making it a great venue for displaying VX's most recent advances in machining automation and milling technology. Two new features of particular attention will be VX's new Intelligent Machining Automation and Feature Aware Machining.

VX's Intelligent Machining Automation captures machining logic into a library that can be instantly applied to a vast array of other parts. With VX CAD/CAM, users apply their own operating procedures and intelligence to machining. This is possible because VX's QuickMill takes a unique, whole part approach to machining. Users establish "rules of engagement" to control and contain tool paths. VX even automates small changes to individual machining operations; for example, changing a tool size automatically adjusts the XY step over in a roughing operation. This rules-based approach is extremely effective in rest milling operations where a machinist simply wants VX to remove material that the previous operation didn't remove. The automation comes from machinists storing their logic and intelligence in a library of operations. QuickMill provides optimum tool loading, extremely efficient material removal, and high quality finished molds to reduce machine wear and tear, improve machine tool utilization and reduce polishing time.

Feature Aware finishing helps with the particular challenge of ensuring product features with crisp highlights are maintained and preserved in the finished mold and sharp parting edges are not violated. Show goers will see the benefit of VX CAD/CAM's new QuickMill machining tactic called Offset3D Feature Aware Machining. This is a robust, ease-to-use solution that lets machinists target highlight areas, and then the software automatically adjusts tool path motion to preserve fine, sharp-edge detail and maximize tool cutting efficiency with smooth, high-speed enabled motion. Machinists save milling and polishing time with Feature Aware Machining.

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Zuken Brings Japanese Roots to Hannover Messe Combining East and West

25 March 2008

Zuken is combining Eastern and Western approaches at this year's Hannover Messe, showcasing its combined electrical, electronics and fluid automated design solution portfolio from its global development centers in Japan, Germany and the UK. On display will be the latest in cutting-edge technology: PCB and electronics systems design suite, CR-5000 from Japan; electronics design solution, CADSTAR, from the UK; and the electrical tool suite, E³.series, from Germany.

Delegates can check-out the latest developments in CR-5000, with more details on the new Routing Strategy Environment, Concurrent Placement, and advancements for high-speed design and MCAD integration with CATIA. The latest version of Zuken's PLM-ready solution, DS2; that unifies multi-site electronics and electrical engineering with related manufacturing data will also be on display, illustrating its capabilities in version control, revisioning and historical data management. Attendees can also find out more about the FPGA design interface and electrical design integration capabilities of CADSTAR, the PCB design solution for small- to medium-sized EDA development teams.

All the latest features from the slicker and quicker 2008 version of E³.series for the design and engineering of electrotechnical, pneumatics and hydraulics applications, electronic components cabling and wiring harnesses will also be on show. Highlights include the full integration of fluid design with electrical systems design, introduction of hierarchical and restricted design control for multi-users, and improvements in design reliability for automotive, aerospace and military cable and wire harness producers. Zuken will also be demonstrating the new functions that benefit the machinery sector, illustrating time savings that can be achieved in designs for panels and cabinets.

For more information about Zuken's solutions, visit www.zuken.com. You can find Zuken, along with subsidiary, CIM-TEAM, and partner company, CADCABEL, at the Digital Factory fair in Hall 17 at Stand No. E58.

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Financial News

Oracle Reports Q3 GAAP EPS Up 30% to 26 Cents, Non-GAAP EPS Up 23% to 30 cents; Database and Middleware New License Revenues Up 20%, Total GAAP Revenues Up 21%

26 March 2008

Oracle Corporation announced fiscal 2008 Q3 GAAP earnings per share were up 30% to \$0.26, compared to the same quarter last year. Third quarter total GAAP revenues were up 21% to \$5.3 billion, while quarterly GAAP operating income was up 35% to \$1.9 billion and GAAP net income was up 30% to \$1.3 billion. Total GAAP software revenues were up 21% to \$4.2 billion with GAAP new software license revenues up 16% to \$1.6 billion. Database and middleware new license revenues were up 20% and applications new license revenues were up 7%. GAAP software license updates and product support revenues were up 25% to \$2.6 billion. Service revenues were up 21% to \$1.1 billion, compared to the same quarter last year.

Third quarter non-GAAP earnings per share were up 23% to \$0.30, and non-GAAP net income was up 22% to \$1.6 billion, compared to the same quarter last year.

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"Oracle delivered another quarter of strong financial results and earnings growth. In Q3, we once again exceeded our non-GAAP EPS growth target of 20%," said Oracle President and CFO, Safra Catz. "For the first three quarters of this year we have grown our operating cash flow 55%, 3 times faster than at this point in the past five years."

"Database and middleware new software license revenues growth accelerated to 20% in the third quarter," said Oracle President, Charles Phillips. "We continue to grow faster and take market share from IBM."

"Software license updates and product support revenues were up 23% on a non-GAAP basis to \$2.6 billion. By next quarter we expect to pass \$10 billion for the year," said Oracle CEO, Larry Ellison. "Our non-GAAP operating income grew to \$2.2 billion with our margins increasing nearly 200 basis points to 41% up from 39% in Q3 of last year. Our operating margins are now substantially higher than our competitors, including Microsoft, reflecting the unique leverage in our business."

Q3 Earnings Announcement

Oracle will hold a conference call and web broadcast today to discuss these results at 2:00 p.m. (PDT) / 5:00 p.m. (EDT). To access the live web broadcast of this event, please visit the Oracle Investor Relations website at <http://www.oracle.com/investor>.

Click [here](#) for entire press release including financials.

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Implementation Investments

A Committed WorkNC Customer for Over 20 years, Salomon's Slogan is 'No Limits'

20 March 2008

The Amer Sports Group owns a number of famous brands such as Atomic, Mavic, Wilson and Salomon. The leader in French alpine equipment, with over 60 years' history to its credit, Salomon became part of the group in 2005. The company's turnover is over 600 million euros, with a staff of 1425. 633 international athletes use Salomon's products and have actively participated in product development.

Salomon continues to design its products in house in order to preserve its know-how. For this to succeed, each independent Business Unit is responsible for the conception and design of a range of products (cross-country skiing, boots, skis, fastenings, etc), and each BU calls on the assistance of the Plastics Technology Center for its full range of products. Roland Favre, Salomon's Production and Workshop Manager said, "We work together very closely - on average, we produce about 200 molds per year, usually for models and prototypes, of which 25% are made in Rumilly, France. These are created in Pro-Engineer CAD and our processes are such that we can validate and modify them in collaboration with the Engineering Department, and then break them down into sub-assemblies. With WorkNC we have set up a single machining sequence, to suit every ski boot design and to cut the ten different sizes available in each range. Mold build has dropped from 12 to 5 weeks over the past few years which just goes to show how well organized we are." He continued, "25% of molds are produced in house, the remaining 75% are outsourced to mold and tool makers who are often equipped with WorkNC themselves."

The company's production strategy has evolved over the last few years. Product development, material

CIMdata PLM Industry Summary

research and process development have been kept in-house whereas a large part of the batch production has been outsourced to Europe and Asia.

"Our objective is to preserve our expertise and know-how as far as innovation is concerned, allowing us to sustain our competitive advantage, and then rely on an international network of subcontractors for production. We will end up by outsourcing 96% of our production, especially in Romania and in China," Pascal Covatta, Plastics Technology Center Manager, told us. "The common denominator is that we maintain control of product development. In Europe, we supply all our subcontractors with the industrial tools required, whether these are molds, assembly or injection molding machines, and we also help to train their staff. In Asia, our strategy is to work with partners/suppliers who have been selected for their skills and expertise, but again, we maintain control over design, specifications and the qualification of all the products."

From aluminium molds to resin molds, the 20 years of WorkNC collaboration between Salomon and SESCOI has resulted in machining times being cut nearly tenfold. "Salomon was the first industrial customer to use WorkNC, which replaced mechanical model copying", explains Bruno Marko, CEO and founder of SESCOI. "In 1988, it was a real gamble on the future and meant a radical change in their industrial organization. We have always worked closely with Salomon in order to adapt the software to their requirements."

In the past, Salomon has been a WorkNC pilot site for SESCOI, but today it has become a partner. All requests and any changes in the industrial process are subject to common development work with WorkNC adapting to the evolving requirements of the winter sports industry leader. "The word 'service' has real meaning as far as SESCOI and WorkNC is concerned."

Salomon's slogan is "no limits". Pascal Covatta explains, "Innovation is a never-ending process. Our products are also influenced by fashion trends, so we are obliged to change our product range every 3 years and push back our limits to encourage innovation. We have to carry out trials and tests, start over again and reduce turnaround times. High Speed Machining (HSM) was introduced 7 years ago and we've been using 4-axis machining for about 2 years. Switching to HSM did not cause any particular problems; WorkNC already had the functions we needed. We immediately cut machining times by 30%, with our ultimate objective being 50%. Preparation times have also become shorter and shorter, 2 hours programming for 34 hours machining time for a ski mold. We have been working with WorkNC for 20 years and we have never had a collision caused by the CAM application, even when we run unsupervised machining at the weekends."

Pascal Covatta concluded, "WorkNC plays a key part in our quest for optimal performance. It helps us attain peak performance from our machines, our tools and our staff. Our partnership with SESCOI has always delivered mutual benefits, there are numerous advantages and we are yet to come across any downsides."

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Behr America is Launching FACTON's Product Lifecycle Costing Software

24 March 2008

FACTON, Inc., a product lifecycle software solutions provider that specializes in enhancing the profitability of manufacturing organizations by managing profit margins and reducing product costs announced today that Behr America will train over 100 people at its facility in Troy, MI. Behr has been employing FACTON's software solutions in Germany and other global locations since 2007.

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Kurt Schulte, Product Line Controller for Behr was given the task to ensure that FACTON's software is launched for Behr's North America operations in the U.S. and Mexico. To accomplish this, FACTON and Schulte have arranged a "FACTON Day" at Behr.

"I need to emphasize the power and capability of the FACTON tool since it will be our future costing and reporting tool worldwide," stated Schulte. "We will have more than 100 people trained to use the FACTON database."

A product lifecycle costing (PLC) software solutions provider, FACTON can assist customers save time and money, including:

- Shortening time to market;

- Reducing product costs of complex goods;

- Increasing efficiencies - through consistent software with a central database for global use; and

- Decreasing the chances of incurring losses after product launch.

FACTON's costing solutions analyze, simulate and optimize product costs across all departments and through all product stages - from pre-quote to end of life.

FACTON is led by CEO Martin Nehls, who co-founded FACTON in 1998 with his brother Thoralf. Nehls stated that, "FACTON is poised for growth in a market continuously seeking cost reductions, shorter product development time and overall improved processes."

"We are extremely happy to be serving Behr," said Nehls. "The auto industry and manufacturing organizations in general are facing stiffer global competition and growing cost pressures, especially in this tough economic environment." Nehls elaborated that, "We look forward to helping Behr apply our solid expertise and software solutions so they can enjoy the benefits of our costing solutions."

"FACTON has proven experience increasing efficiencies for OEMs and tier suppliers and shortening time to market," stated David Luik, Director of Sales at FACTON. "There are many manufacturers of complex goods - even international corporations - that are still using Excel files to calculate production costs. These companies are missing opportunities to more effectively identify cost drivers early on and succeed in the marketplace with profitable products."

FACTON serves a number of industries, including automotive, aerospace, manufacturing equipment, medical products and consumer goods. Among the small, medium sized and global companies that have taken advantage of FACTON's solutions include Bentley Motors, HAUTAU, Mahle, ZF, SiemensVDO Automotive, Magna Powertrain, Intier Automotive, Airbus and Brose.

With committed employees in consulting, development and support, FACTON and its partners provide industrial expertise to allow strategic decision making by customers. The database-based software solution interfaces with existing systems, including enterprise resource planning (ERP) and product data management (PDM), as well as product lifecycle management (PLM) and computer-aided design (CAD) software.

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ESS Technology Standardizes on Simucad's SmartSpice Analog Circuit Simulator

24 March 2008

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Simucad Design Automation (Simucad), a provider of Analog, Mixed-Signal and RF Electronic Design Automation (EDA) tools, announced that ESS Technology ([ESST](#)), a global manufacturer of digital video silicon chips, has standardized on SmartSpice for its analog simulation needs.

The powerful multithreaded technology built into SmartSpice delivers the fastest simulation of large and complex multi-million transistor circuits with true SPICE accuracy.

"After an extensive evaluation period, SmartSpice was found to exceed our expectations in speed, convergence and accuracy, and outperformed our current simulation solutions," Robert Plachno, VP of Engineering of ESST said. "Adoption of multithreaded SmartSpice allows ESST engineers to significantly shorten design time and introduce products to market faster and cheaper."

"Our innovative and cost-effective unlimited licensing model is how EDA software should be licensed," said Dr. Ivan Pesic, President and CEO of Simucad. "Years of research have made SmartSpice the fastest and most accurate Analog simulator on the market. Companies can now standardize on a single simulator and replace the myriad of traditional and lookup-table based simulators currently in use."

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Fluid Components International Reduces Time to Market for Quality Instrumentation with Adept Document Management

26 March 2008

Fluid Components International LLC (FCI) replaced its electronic flat file system with Adept document management software from [Synergis Software](#) to get its engineering and business documentation under control so that it could bring its products to market faster.

"One of our key challenges is reducing the time to market for new products," affirmed Eric Wible, Director of Engineering at FCI. "Our ability to design, develop and produce quality instrumentation is a key factor to growth in our current markets as well as expanding into new markets. This process is directly tied to our internal capability to control and easily find our intellectual property and proprietary information, which is primarily in the form of engineering documentation."

Karyn Dawes, Document Management Supervisor at FCI, headed up the evaluation process. Because FCI's Aerospace Division had standardized on SolidWorks design software and its Industrial Division was migrating to SolidWorks from AutoCAD, compatibility with both platforms was at the top of her well-thought-out criterion. Dawes' criterion included proven success at other ISO approved companies as well as a powerful database, document security, searching, viewing, and reporting capabilities. Of course, being user friendly and affordable was high on the list. Only Adept, one of the SolidWorks Gold PDM Partners products, met all the criteria.

Prior to implementation, Dawes attended the Administrator Training course at Synergis' headquarters and later scheduled nearly 100 others to be trained in two days. "Initially, we brought 20 years of data and more than 50,000 records into Adept. What I learned from that effort is that it's better to implement a new system in stages and bring in only clean electronic data first," advised Dawes.

FCI uses Adept in Engineering and other departments to manage product design information including drawings, parts lists, operation sheets as well as general business and ISO-certified marketing documents. "Adept's powerful capabilities can benefit virtually every department," concluded Wible.

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Hynix Uses Magma to Implement Flash Memory Design – Reduces Turnaround Time by 30 Percent on 16-Gb Design

27 March 2008

[Magma® Design Automation Inc.](#) announced that Hynix Semiconductor, the world's top-tier memory semiconductor supplier offering Dynamic Random Access and Flash memory chips, used Magma's integrated digital IC implementation system to tape out Hynix' 16-Gb flash memory design. With Magma's software, Hynix was able to overcome timing-closure issues on the sensitive control logic in this nanometer design while reducing turnaround time by 30 percent.

“Hynix has utilized a full custom design flow for our top-tier flash memory devices,” said Choi Woo-Sick, senior engineer in Hynix's Computer-Aided Engineering Group. “By providing an advanced, automated flow, Magma allowed us to successfully implement our flash device, cut turnaround time significantly and maximize our engineering resources.”

“Switching to Magma's automated flow was an important and strategic move for Hynix, dramatically reducing turnaround time with our timing-closure capability while also providing a smooth, quick transition from their existing flow through our customizable MTcl interface,” said Kam Kittrell, general manager of Magma's design implementation business unit. “To ensure their success, our engineers worked closely with theirs to set up the flow and complete the design. We're pleased that they were able to leverage our world-class support and advanced digital implementation software for the success of this design.”

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Leirvik Module Technology Selects Siemens PLM Software's Teamcenter as its Company-Wide PLM Platform

26 March 2008

[Siemens](#) PLM Software announced [Leirvik](#) Module Technology, a leading European supplier of offshore accommodation modules, selected Teamcenter® software as its company-wide PLM platform. Implementation locations include distributed design and production centers in Norway and Poland, encompassing more than 140 Teamcenter licenses.

“Teamcenter will provide major benefits, such as improved quality and engineering process cost savings between 10 and 15 percent,” said Kjell Arne Halleraker, vice president of Projects at Leirvik Modul Technology. “Teamcenter will also help us cut cycle time and build knowledge into our processes - ultimately reducing our time-to-market. This is an important competitive advantage in the booming offshore industry, which continuously requires shorter delivery times.”

Teamcenter enables engineers at Leirvik MT's distributed design centers and manufacturing facilities in Norway and Poland to unify all new product development and introduction activities into a single source of product and process knowledge, bridging the gap between the product design and manufacturing operations. Teamcenter's multi-CAD environment also enables Leirvik MT to manage various CAD data formats within a single PLM solution.

“We are proud to work hand-in-hand with Leirvik Module Technology on their innovation efforts,” said Arie von Essen, Managing Director of Nordics and Russia, Siemens PLM Software. “Instant collaboration, configuration management and integration make Teamcenter a natural choice for winning companies like Leirvik Module Technology. This selection underscores our leadership in this important

region of the world.”

“The best-in-class PLM technology of Teamcenter equips highly successful companies like Leirvik Module Technology, to become even more competitive,” said Helge Kjeilen, managing director of Summit Systems AS, Siemens PLM Software’s distributor in Norway. “Leirvik understands the future demands of engineering productivity and quality, and that is precisely why they selected Teamcenter.”

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New Compact Proton Radiotherapy Device Designed with SolidWorks Software

24 March 2008

Still River Systems, a Littleton, Mass. company, is using [SolidWorks®](#) 3D CAD software to develop a new compact and affordable proton radiotherapy treatment device.

Unlike conventional X-ray based radiation therapy systems, Still River Systems’ Monarch 250™ uses proton beam for radiotherapy. Proton beam radiotherapy employs a particle accelerator device that uses electric fields to propel electrically charged particles to high speeds and then contain and shape them to output a highly focused proton beam toward a precisely defined target. This technology can sharply reduce damage to healthy tissue by precisely focusing the radiation dose to the tumor. Proton radiotherapy is especially valuable in critical structures of the body like the eye, brain, base of the skull, spine, and prostate. It also limits radiation exposure for safe treatment of children.

Proton beam radiotherapy has been in use since the 1950s, but is only available in five facilities in the United States and 28 centers worldwide. While it typically costs more than \$140 million to build a proton therapy facility, Still River Systems’ new design will cost hospitals only a fraction of current costs and occupy one room instead of a large city block.

“The design is challenging, with more than 10,000 parts ranging from a 1/8th -inch long pin to a large magnet that swings on a gantry supported by bearings the size of a tractor tire,” said Barry Mendell, Still River Systems’ engineering services manager. “It was assumed we were using SolidWorks from the start. Eighty percent of the mechanical engineers hired to participate on the project were already SolidWorks users, and no one has ever questioned the choice. For the remainder of the non-SolidWorks users who were experienced with other 3D modeling applications, the learning curve was minimal. SolidWorks works flawlessly with our GibbsCAM® software, and provides the capabilities for sheet metal, weldments, process pipes, cable routing, surfacing, and motion required for our various mechanical assemblies.”

[Still Rivers Systems](#) uses PDMWorks® data management software to control CAD file revisions and manage CAD projects and uses SolidWorks’ COSMOSWorks® design analysis software to check the structural strength of various parts and assemblies.

Powerful renderings in SolidWorks’ PhotoWorks™ software and videos created in SolidWorks Animator software help Still River Systems professionals at all levels communicate project details to other parties outside the company.

“Still River Systems is obviously doing important work,” said Rainer Gawlick, SolidWorks Corporation’s vice president of worldwide marketing. “It is inspiring that SolidWorks software was the choice to develop this affordable and compact proton therapy system that will increase access to this powerful cancer treatment option.”

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Still River Systems uses authorized SolidWorks reseller [CADD Edge](#) for ongoing software training, implementation, and support.

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NIFT Chooses TUKATECH for Bachelors and Masters Degree Program in Fashion Technology

13 March 2008

In February 2008, India-wide National Institute of Fashion Technology (NIFT) entered into an exclusive agreement to integrate TUKATECH's suite of product development, design, and PDM/PLM software systems into their curriculum.

Degree programs in Apparel Production, Fashion & Textiles, Fashion & Apparel, Fashion Technology (M.F. Tech) and Fashion Management (M.F.M) will begin utilizing TUKATECH's technology to better prepare students for industry work, where product development is increasingly demanding digital solutions.

"By partnering with Tukatech, NIFT looks to teach future designers and technologists the latest software solutions in the area of pattern making and prototype sample development. Pattern Making without CAD is like drawing a straight line without using ruler," commented Prof. Prabir Jana, Chairperson, Department of Fashion Technology, NIFT.

As per the agreement, TUKATECH will be installing 72 TUKAcad software stations, 30 TUKAstudio software stations and 8 TUKAplan master licenses at all 8 NIFT campuses in India.

"More than 2,500 students worldwide are renting and using TUKAcad software in over 250 fashion and technical institutes, including 75 institutes in India. With FedEx-Kinko's and TUKAcenters available for plotting, students have access to the latest technology to complete their assignments, thereby gaining valuable industry experience and making them employable immediately," added Mr. Ram Sareen, CEO and Founder, TUKATECH.

TUKATECH systems are designed to provide digital solutions throughout each stage in the product development chain seamlessly. With TUKAcad, pattern making, grading, and marker making has never been more efficient and user-friendly. Spec/tech pack and pattern card features allow for integration with TUKAplan, a PDM/PLM and MRP software system. Moreover, with 3D virtual draping technology, TUKATECH's e-fit Simulator has redefined the sample approval process. Digital patterns are draped on animated virtual 3D fit models to create virtual samples, allowing for quick and instant corrections to patterns and greatly reducing the number of iterations in sample making. TUKATECH also offers TUKAstudio, a fabric and print design software system.

Unlike any other apparel technology company, TUKATECH offers a host of web-based product development solutions. Through TUKAweb, users can outsource digital pattern making, marker making, and grading by uploading data through a user-friendly service. TUKAweb also offers data conversion, and through an exclusive relationship with FedEx-Kinko's (please see regions where applicable on <http://www.tukatech.com>), users can request for plotting services at discounted rates.

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Novare Surgical Systems Selects Arena PLM to Aid in Delivery of the World's First Full-Range-of-Motion Handheld Surgical Instruments

26 March 2008

[Arena Solutions](http://www.novaresurgical.com) announced that Novare Surgical Systems (<http://www.novaresurgical.com>), the company behind an entirely new category of high-dexterity instruments for minimally invasive surgery, has selected Arena PLM to improve control of its product development process. Arena PLM will allow Novare to more easily comply with medical industry standards and regulations, boost productivity, and enhance collaboration with suppliers. The company has adopted Arena PLM to improve time to market for its RealHand® High Dexterity (HD) products, the world's first full-range-of-motion handheld laparoscopic instruments that are making it possible for physicians to perform advanced laparoscopic procedures such as colectomies, hysterectomies, and gastric bypass.

“We’ve got to go digital. We can’t throw any paper away for compliance reasons, and we’re running out of space. A typical review of our device history means 50 pounds of paper. Distributing documents to our vendors involves more than 400 drawings. If I miss just one it’s a problem—there’s just too much risk for human error when the process gets that large,” said Donna Nelson, document control specialist at Novare Surgical Systems. “We’re very excited about Arena PLM. Because it’s web-based, we get high-quality PLM for much less money than a standalone system that would require investment in additional servers and IT support. With Arena PLM as a central repository for all of our data, our suppliers will be able to find what they need—when they need it. Change orders that take up to a month now can be approved in a week or less. Ultimately, Arena PLM will greatly improve our time to market.”

Novare chose Arena PLM for its functionality, high return on investment, and on-demand delivery model. Novare will use Arena PLM to electronically control engineering changes, track and store the vast quantities of data that enable the company to comply with an increasing number of medical standards and regulations, and share files for 24/7 access from anywhere in the world. The anytime, anywhere access is particularly significant for the company, which frequently saw approval cycles slowed by the heavy travel schedules of several key employees. Now those employees can use the Internet to log into Arena PLM from anywhere, gain instant access to a single and accurate version of the product record, and keep the product development process moving efficiently.

“A typical change order may have many different documents, associated drawings and bills of materials. Each supplier needs different pieces of the information, and up until now, providing that information has been a manual process. With Arena PLM, I won’t be at risk of sending the wrong documents to the wrong people. Instead the suppliers will have access to the latest revisions, and we’ll also eliminate the security risks associated with mailing and emailing our key product data,” said Nelson. “This is a high-stakes product. Particularly in medical, people’s lives are depending on us getting it right. Arena PLM will make that easier.”

As all of the data is hosted by Arena and protected by its financial-grade security, Novare Surgical gains peace of mind knowing its data is safer being hosted and distributed through Arena than through the mail and email they were using, which is neither highly secure, nor controllable.

“Novare Surgical Systems is an incredibly pioneering and entrepreneurial company that is advancing the way surgery is done through its innovations. We’re proud they’ve chosen Arena PLM as one of their critical business applications,” said Craig Livingston, chief executive officer of Arena Solutions. “Implementing Arena PLM gives Novare Surgical the ability to do even more with its current resources.

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As the company's core product information management system, Arena PLM will help Novare accomplish its strategic goals, like decreasing time to market, reducing product costs and ensuring compliance—all while allowing it to continue focusing on pushing the envelope with highly innovative products.”

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STARC Establishes Variation-and-Yield-Aware Design Methodology Using Mentor Graphics Calibre LFD

27 March 2008

[Mentor Graphics Corporation](#) announced that STARC (Semiconductor Technology Academic Research Center), a research consortium co-founded by eleven major Japanese semiconductor companies, has successfully evaluated the Calibre® LFD™ tool for the litho-aware design flow portion of its variation- and yield -aware design methodology.

“At 65nm and below, process variation aware design flows are essential to ensure that complex designs can be manufactured efficiently and reliably,” stated Nobuyuki Nishiguchi, Vice President and General Manager, Development Dept.-1, STARC. “The number of variables that must be considered is too great to address with traditional design rules alone. STARC is building a methodology that augments conventional rules with accurate models of manufacturing process variability to guide engineers in making optimal design decisions.”

The Calibre LFD (Litho Friendly Design) product is a production- and silicon-proven electronic design automation (EDA) tool that addresses the urgent need to manage lithographic process variability in the early stages of design creation. As part of its STARCAD-CEL (STARC Aid your Design with Certified Engineering Linkage — one step ahead of DFM) project, STARC will use the Calibre LFD tool as a key element in its variation-and-yield-aware design methodology to predict the effects of lithography variations. The STARC methodology employs this information to create more robust designs that produce higher yields and consistent performance.

Analysis of how manufacturing process variations affect design yields is becoming a critical issue for designers at 65nm and below. The Calibre LFD tool allows designers to identify litho hot spots and other layout topologies that are sensitive to process variations and primary contributors to systematic failure. By accurately simulating the effects of the lithographic process on “as-built” layout geometry, the Calibre LFD tool enables designers to make trade-off decisions early, resulting in a design that is more robust and less sensitive to the lithographic process window. This level of analysis is important at the 90nm technology node and crucial at the 65nm node where even small process variations can greatly influence silicon yield.

“Previously ignored manufacturing effects are now becoming critical to design success,” said Joe Sawicki, vice president and general manager, Design to Silicon Division, Mentor Graphics. “Design-for-Manufacturing tools like Calibre LFD make it possible to address the challenges of maintaining high yield through design and manufacturing co-optimization.”

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Sunplus Selects Cadence Incisive Xtreme to Meet Faster Time to Market by Achieving Orders of Magnitude Performance Gain in Simulation Acceleration

21 March 2008

[Cadence Design Systems, Inc.](#) announced Sunplus Technology, a leader in IC design industry for electrical consumer applications, has selected the Cadence® Incisive® Xtreme® Server acceleration and emulation solution. The combination of verification performance and ease of adoption of the Xtreme technology provides Sunplus faster time-to-market with high-speed verification and acceleration for million-gate SoC designs.

Sunplus is a global supplier of consumer ICs for home entertainment and multimedia applications such as DTV and DVD player. Increasing design complexity and extremely tight schedules are always critical issues for companies like Sunplus. With Xtreme hardware/software co-verification capability, Sunplus enjoyed the flexibility of an integrated debug environment, which facilitated communication between Sunplus' hardware and software engineers.

"With Xtreme Server, our team was able to achieve significant productivity improvement over traditional simulation," said Ying-Chih Yang, director of engineering, Sunplus. "By adopting the Xtreme we were able to verify time-consuming and complex scenarios that were not practical with simulation alone, which allowed us to meet our expected schedule while ensuring our SoC (System on Chip) designs the best quality and performance requirements."

"We are pleased to see Xtreme verification solutions are parts of Sunplus' development of cutting-edge multimedia and consumer devices," said Lung Chu, Asia Pacific president at Cadence. "We are excited about our opportunity to expand our footprint in Taiwan to the consumer market. We will continue to work with Sunplus to deliver overall design productivity, quality and predictability."

Logic designers can realize up to 1000 times performance increase in simulation with a single environment for Cadence Incisive® simulators and Xtreme series systems. This environment is enabled by an expansion of an "hot swap" capability which now allows designers to move, within seconds, back and forth between a leading commercial simulation tool and the Incisive Xtreme® III accelerator/emulator.

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Product News

Altair Announces New Reseller Agreement with CYBERNETICS, Expanding Presence in Eastern Europe

25 March 2008

[Altair](#) Engineering, Inc. announced a new reseller agreement with Romanian-based PLM solution provider, [CYBERNETICS Srl](#). The new agreement allows CYBERNETICS to sell the Altair HyperWorks computer-aided engineering (CAE) technology suite to Romania-based companies within the region's growing advanced manufacturing industries including automotive, aerospace, consumer goods, plant & equipment design. In addition to Altair's software solutions, CYBERNETICS will also provide local support and professional consulting services for Altair and its new and existing customers.

"Our main objective is to consolidate our leadership position in selling and implementing complete PLM

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solutions," said Eugen Mihaila, CEO, CYBERNETICS Srl. "In order to do this, we have to take into account that Romania is an emergent market, attracting many investors particularly in the automotive industry. As such, we took the initiative to assess our existing software portfolio and technical expertise to ensure that Cybernetics is prepared to support the unique needs and requirements of these rapid growth market segments. After a thorough review of our portfolio and industry vertical needs, it was obvious that by adding HyperWorks we could enhance our product portfolio and level of client service."

"With more than 12 years of history and experience, CYBERNETICS is the leading PLM software distributor and implementation company in Romania," said Cosimo Panetta, Managing Director of Altair Engineering, Italy. "We are very pleased with their decision to join our valued HyperWorks reseller community. Their current high-end PLM product portfolio compliments and is a natural fit with HyperWorks. We look forward to working with CYBERNETICS to jointly support our growing Romanian client base."

"HyperWorks is a globally recognized, leading CAE solution that will allow us to address many of our clients' present and future simulation needs," adds Mihaila. "The fact that Altair has a growing global consulting services division and a strong partner eco-system is also something that we are quite interested in being a part of."

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aPriori to Enhance Design-to-Cost Software Solution with Tech Soft 3D's HOOPS Graphics Platform

25 March 2008

Tech Soft 3D (TS3D) announced that [aPriori](#) has licensed HOOPS for use in its Product Cost Management software platform. With HOOPS, aPriori will extend its capabilities for automatically costing parts and assemblies by allowing users to view, select and control product cost drivers directly in the interactive 3D model display.

"aPriori's real-time product cost assessments are helping leading manufacturing and product companies drive significant costs out of their products prior to production," said Eric Hiller, founder and chief technology officer at aPriori. "Through our partnership with Tech Soft 3D, aPriori is extending its next-generation costing solution with powerful graphical capabilities that provide users with an interactive view of the parts and assemblies being costed."

Ron Fritz, managing partner for TS3D added, "aPriori demonstrates that use of 3D is indeed spreading rapidly into all areas of the manufacturing process, in this case into Enterprise Cost Management. We enjoy seeing innovative solutions that use HOOPS as their graphics platform and look forward to helping aPriori develop and deliver a successful application."

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ASCON Released the Next Update of KOMPAS-3D V9

25 March 2008

ASCON Group announced an improved version of its Mechanical CAD software KOMPAS-3D V9 SP2. KOMPAS solutions provide classic framework for 3D Solid Parametric Modelling, 2D Drafting, Design and Release of Documentations. Wide range of add-ons and libraries arrange additional features,

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such as photo rendering, animation, kinematic and dynamic analysis, extended CAD/CAM/PLM integration and others.

One of the main novelties in KOMPAS-3D V9 SP2 is a newly developed autorun which allows direct installation of KOMPAS in one of four languages (English, German, French and Czech), provides easy access to technical documentation, support, as well as to KOMPAS Discussion Forum of users. An Interactive Learning System «KOMPAS-ABC» in German is one more improvement. Just 12 easy lessons in this system considerably simplify process of CAD learning and make the move from 2D to 3D CAD faster. Initially this system was only available in English and Russian but now German-speaking designers, engineers and other KOMPAS users are able to spend even less time for learning of these mechanical CAD solutions and concentrate more on design.

Another important add-on in KOMPAS-3D is TraceParts library. This library extends ASCON own database with a variety of leading parts supplier catalogs. KOMPAS users have the ability to import manufacturers and standard parts direct from TraceParts library. It is one of the largest Mechanical Parts libraries in the world and allows to work with more than 100 million 3D CAD models and 2D drawings, containing European-based and other parts suppliers in the tooling, machinery, aerospace, automotive and many others industries.

To try out this improved mechanical CAD solution, visit ASCON at Hannover Messe Digital Factory 2008 in Hall 17 Booth A69 or download Demoversion of KOMPAS-3D V9 SP2 from <http://www.ascon.net>.

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Cadence Encounter Conformal Eco Designer Improves Logic Designers' Productivity

25 March 2008

Cadence Design Systems, Inc. announced immediate availability of [Cadence® Encounter® Conformal® ECO Designer](#), a new offering from the Encounter Conformal family of products which provides functional ECO analysis and ECO generation. Almost all chip designs go through engineering change orders (ECOs) to implement late-stage design modifications due to changes in design requirements or incorrect logic function. Engineering and management recognize ECOs as a time of high stress and long hours of manual work, which lead to uncertainty in schedule, cost, and functional correctness. Encounter Conformal ECO Designer addresses these challenges by bringing automation and predictability to the ECO process. It is also part of an overall Cadence ECO offering that spans from RTL design to GDS.

"Encounter Conformal ECO Designer helps us evaluate the feasibility of engineering change orders and enables us to implement functional changes to the design very late in the design cycle," said Dinraj Shetty, director of Design Engineering at Spansion. "This product frees up valuable engineering resources and significantly reduces our ECO turnaround time."

"Encounter Conformal ECO Designer brings significant productivity and predictability to the whole ECO process and gives logic designers the ability to analyze, implement, and verify ECOs in an appropriate and accurate manner," said Andy Lin, vice president of research and development for Cadence.

Encounter Conformal ECO Designer is a key part of the [Encounter digital IC design platform](#) and a component of the Cadence Logic Design Team Solution.

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CollabNet Opens Distributed Development Platform to all Developers

26 March 2008

CollabNet (<http://www.collab.net>) announced the immediate availability of CollabNet OnDemand. CollabNet OnDemand (myproject.collab.net) delivers an integrated suite of enterprise-class issue tracking, software configuration management, project management, and collaboration tools, all delivered via a secure Web-based subscription model. Based on CollabNet Enterprise Edition and hosted and supported by CollabNet, CollabNet OnDemand provides the same feature set for distributed development to enable project teams to get up and running quickly and scale as they grow. Within days of sign-up, developers and project team members can begin collaborating on requirements, code, issues, tasks, documents, releases, and easily manage their content and artifacts anytime and anywhere via a shared Web workspace.

CollabNet OnDemand makes CollabNet's operational expertise in enterprise hosting available to teams of any size. With CollabNet OnDemand, project teams can eliminate the hassle of procuring and configuring hardware and the delays for assembling and administrating piecemeal development solutions from various point tools. Development teams who have already standardized on other development environments now have the flexibility to use the enterprise-tested CollabNet platform that is specifically designed for distributed software development without disrupting internal workflows, while CollabNet's integrated security layers ensure that data are safe, secure, and recoverable. Today, there are already 25 enterprise projects running on CollabNet OnDemand. A free trial is currently available to every new user on any project along with an attractive monthly per-user subscription model; a demo is available at <https://ondemand.sourceforge.com/livedemo.htm>.

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Leading OEM Partners Rely on Cognos Solutions to Broaden and Strengthen Core Product Offerings

26 March 2008

Cognos, an IBM company, announced that leading OEMs continue to use IBM Cognos performance management solutions to drive greater business value and strategic advantage for customers.

Cognos has years of experience working with OEM partners to integrate IBM Cognos technology to augment other solutions, bringing a broad range of new value-added offerings for performance management to market. The Cognos OEM partner program provides the infrastructure necessary for partners to develop an application with IBM Cognos technology and then successfully market, sell and support it. Partners benefit by gaining a competitive differentiator that allows them to generate more business while providing increased levels of customer satisfaction and reduced cost of ownership.

“Our OEM partners clearly view IBM® Cognos® Business Intelligence and performance management solutions as strategic to their business,” said Ted Jandl, vice president of Global Strategic Partners at [Cognos](#). “Cognos has a proven go-to-market methodology along with the comprehensive service offerings necessary to ensure quick time-to-success for partners. Using IBM Cognos solutions, OEM partners can standardize on a single platform to deliver functionality as customers demand it.”

Many Cognos OEM partners are leveraging the power of IBM Cognos 8 Business Intelligence, a

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solution that offers an approach to standardized information delivery and effective performance management. IBM Cognos 8 BI delivers a simplified BI environment that drives high user adoption, enables better decision-making, and serves as an enterprise-scale technology foundation for performance management. Partners also rely on IBM Cognos analytics solutions for financial performance management, including IBM Cognos TM1, which provides improved planning, analytics, and "what-if" scenario modeling.

The Cognos portfolio of OEM partners using IBM Cognos solutions includes a wide range of companies across industries including:

Brix Networks:

Brix Networks is a global provider of converged service assurance solutions that allow service providers and enterprises to offer reliable and quality experiences in voice, video, data and mobile services to their customers, partner and employees.

"The combination of IBM Cognos 8 Business Intelligence with the power of our BrixView and BrixWorx service assurance offerings allows network operators to generate flexible and focused IP service performance and quality information necessary to run their businesses -- all from the same open and extensible platform," said John Burnham, vice president of marketing at Brix Networks.

Cayenta:

Cayenta is a provider of Customer Information Systems, Utility Billing Solutions and Financial and Operations Management software applications to Municipal Government and Utilities throughout North America and the Caribbean.

"We needed to upgrade our OLAP engine and provide our customers with a solution that could handle large volumes of data -- up to 500,000 records for a single billing month," said Brad Atchison, executive vice president for Harris' Cayenta division. "With IBM Cognos TM1 driving our applications, customers will get a faster and easier way to analyze billing data, track payment status, and determine days outstanding. The end result will be significant performance improvements in the way customers plan and prepare their annual budgets."

"Our Financial Executive Steering Committee has been working with us on being able to provide a solution for Budget Preparation that can scale from small to large volumes of data. With IBM Cognos TM1, we will be able to provide a superior alternative integrated with the Cayenta Financials to our new and existing customers," Atchison added.

Deltek:

Deltek is a leading provider of enterprise management software for project-focused organizations.

"The IBM Cognos 8 BI reporting and analysis platform enables us to tightly integrate it with Deltek products and provides us the tools to extend it to specifically meet the needs of government contractors," said Jim Rogers, market vice president at Deltek. "The combination of our enterprise software designed for project-focused businesses with IBM Cognos 8 BI provides our customers with better visibility into corporate performance and compliance reporting. Cognos gives us a strong product differentiation in a very competitive marketplace and a way to generate additional revenue."

StarCite:

StarCite, Inc. is the largest on-demand meetings management platform company in the \$300 billion global marketplace for corporate meetings and events.

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StarCite has embedded IBM Cognos 8 BI in its on demand meetings management solutions to provide better visibility and cost control for customers. "Integrating IBM Cognos 8 BI technology into our solutions enables us to enhance the depth of reporting and analysis functionality that we deliver to buyers and suppliers," said Bill Peltz, vice president of product management at StarCite. "As a result, our customers get a better idea of how their business is performing and we now have the ability to go to market faster with innovative technology."

PTC:

PTC recently embedded IBM Cognos 8 BI into Windchill 9, a new version of its content and management software that will feature sophisticated business reporting for customers. "With Windchill 9 and IBM Cognos software, customers get real-time access to information they need to analyze and optimize the product development process. This enables faster and easier report development and distribution," said Bill Neuman, director of product management, Windchill Infrastructure and Integrations, at PTC.

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LMS Signs Partnership Agreement with EADS Innovation Works and IMACS to Integrate Next-Generation Acoustic Simulation Technologies in LMS Virtual.Lab

26 March 2008

LMS International announced that it signed a partnership agreement with EADS and IMACS. Under this new agreement, LMS, EADS and IMACS will cooperate on integrating next generation acoustic simulation technology based on multipole Boundary Element Methods (BEM) into LMS Virtual.Lab Acoustics. Multipole BEM technology extends simulation capabilities to higher frequency ranges. Thanks to parallel computing processes, multipole BEM also permits efficient and extensive in-depth acoustic analysis on detailed vehicle, aircraft, train or ship models. LMS Virtual.Lab Acoustics is the LMS dedicated simulation solution that predicts the sound or the radiated noise from mechanical products.

Over the years, [EADS](#) Innovation Works has invested heavily in multipole BEM methods and electromagnetics as well as advanced technologies for exterior and interior acoustic applications. Prior to its partnership with LMS, EADS Innovation Works cooperated closely with several leading industrial partners like Airbus and PSA PEUGEOT CITROËN to develop and validate these new technologies. EADS also performed joined research with IMACS, a French research and technology provider in applied mathematics and scientific computing. IMACS will cooperate with LMS and EADS to provide further support and enhancements for the Multipole BEM acoustic simulation technology. The LMS Virtual.Lab Acoustics integration will provide a unique and valuable opportunity to leverage this know-how and share it with a broader community of acoustics specialists worldwide.

"We foster a culture of open innovation in everything we do. Our partnership agreement with LMS illustrates this perfectly and provides an excellent platform to industrialize our technologies. Integrated within LMS Virtual.Lab Acoustics, our multipole BEM technology will become accessible to many advanced acoustic engineering teams from many different industries worldwide. This group will be optimally served thanks to LMS' global market presence," explained Yann Barbaux, Senior Vice President of EADS Innovation Works.

"We are extremely excited about our partnership with EADS Innovation Works. It gives us the opportunity to continue to strengthen the position of LMS Virtual.Lab Acoustics as the leading

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simulation platform for acoustic analysis. Integrating multipole BEM technology compliments LMS Virtual.Lab's BEM and FEM applications while meeting the requests from our customers to apply acoustic simulation at higher frequencies and addressing ever more challenging acoustic requirements," commented Dr. Jan Leuridan, Executive Vice President and CTO of LMS International.

For more information about LMS Virtual.Lab, visit <http://www.lmsintl.com/virtuallab>

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Mentor Graphics Expands Questa Functional Verification Platform with Questa Codelink for Processor-Driven Tests

27 March 2008

[Mentor Graphics Corporation](#) announced immediate availability of the Questa® Codelink™ product, an addition to the Questa Functional Verification Platform designed to speed the validation of ASICs containing one or more embedded processors. The Questa Codelink product is an integrated, source-level debug environment targeting processor driven tests.

Use of sign-off accurate, RTL processor models to drive cycles into multi-core SoC designs is a common practice among hardware verification engineers. This method of test is identical to the SoC's actual operation and provides highly effective functional verification. A major limitation to this approach is the lack of an effective debug environment. Isolating the cause of a failing processor driven test is a tedious and time consuming process as RTL processor models delivered by the core vendor provide little or no debug visibility.

To advance the use of processor driven test, Mentor developed Questa Codelink, a rich source-level debugger for RTL processor models supplied by ARM and MIPS. Codelink employs patent-pending technology which shadows the RTL model and generates a rich debug dataset. By presenting the user with a full view of software variables, call stack, registers, and memory, test failures can be isolated in minutes rather than days or weeks.

With one third of all SoC designs moving to multi-core in the next two years, it was important that Codelink support multi-core debug. Tracking multiple code threads and observing message passing via shared memory are key elements in debugging synchronization failures in multi-core systems. Codelink offers a variety of techniques for efficiently organizing and viewing the many representations of relevant data associated with multi-core source-level debug.

In addition, Codelink has the ability to log batch runs and debug interactively post-simulation, eliminating the need to rerun long simulations in order to debug them. Codelink replays a 15 hour simulation in 3 seconds, yielding highly interactive debug of large simulations. Codelink also supports stepping backwards through source or assembly while variables, memory, and registers views accurately reflect the state of the system.

"Over the past year our teaching customers like InterDigital, have been instrumental in helping us to refine and enhance the Codelink product," said Serge Leef, general manager of Mentor's System Level Engineering division. "What has emerged is a highly efficient debug environment for MIPS and ARM based SoCs."

"Codelink has proven to be a highly cost-effective and efficient tool for us, particularly the replay feature," said Kenneth Bartsch, Verification Lead at InterDigital. "Prior to Codelink, certain bugs required multiple one-day re-simulations to fully diagnose. With Codelink replay we simulate just one

time, and isolate the failure (hardware or software) immediately. Both software and hardware engineers like the tool. Codelink was key to us taping out our new SlimChip™ SoC on schedule.”

Pricing and Availability

The Questa Codelink product is available now with a starting price of \$28,400. The following families of processors are currently supported: ARM7, ARM9, ARM11, ARM Cortex, MIPS 4, MIPS 24, and MIPS 74. Questa Functional Verification Platform The Questa Functional Verification Platform combines high performance and high capacity with the most comprehensive verification capabilities in the industry. Assertion-based Verification (ABV), intelligent testbench automation, Multi-view Verification Components (MVC), and Coverage-driven Verification (CDV) are supported natively by the Questa platform’s high-performance assertion engine; a modern, high-performance constraint solver; and extensive functional coverage features, including verification management leveraging the Unified Coverage Database (UCDB). Verification of low power design functionality can be proven in an RTL environment with power-aware functional verification. This full set of advanced verification functionality is enabled by a flexible Open Verification Methodology (OVM) that delivers unrivaled language and feature support in any design and verification flow.

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New VX Intelligent Machining Automation Speeds Up CNC Programming Productivity

24 March 2008

VX Corporation announced Intelligent Machining Automation that helps eliminate machine shop bottlenecks by speeding up machine tool programming productivity.

The task of machining a block of steel into a highly finished part, whether it’s a mold core/cavity, electrode or discrete part, is a multi-faceted undertaking involving many different tool paths. Collectively, these tool paths define a comprehensive approach from the initial roughing phase to the final finishing phase. Some of the decisions that go into the overall approach are tool paths to use for different areas, types of tool paths for roughing and finishing operations, cutters used for each tool path, feed rates, step-over widths, depth of cuts and much more. While many of these decisions can be automated, each machine shop has its own unique approach and rules for machining based on their operational strategies, age and condition of equipment, experiences and preferences of their machinists and a host of other factors.

Defining the machining for a part tailored to a machine shop’s specific needs can span multiple days causing bottlenecks and restricting the number of new jobs a shop can accept. One of the main obstacles is that often there are only a few machinists who have the knowledge and experience to properly set-up the machining for any particular shop. Solving this problem is where the value of VX’s Intelligent Machining Automation comes into effect.

Intelligent Machining Automation is made possible by the way VX takes a whole part approach to machining. With VX, users establish their own rules for machining a part, and once the tool paths are developed and saved for a part, VX can use these tool paths and rules as a knowledge base for intelligently automating development of machining for a vast array of other parts. This greatly reduces the time required for programming new parts from a matter of days to a matter of minutes. In essence, VX captures and uses the knowledge and logic of an experienced machinist for automatically generating machining. In addition to reducing bottlenecks, this helps manufacturers cope with difficulties in recruiting and retaining skilled machinists.

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Science + Computing AG Joins Altair's Simulation Data Management Implementation Partner Program

13 March 2008

Altair Engineering, Inc. announced that Germany-based IT service provider, science + computing ag ([s+c](#)), has joined the company's Implementation Partner Program. The agreement will leverage s+c's IT services expertise to implement and integrate Altair's enterprise product performance data management solution, Altair Data Manager (ADM), at client sites throughout Germany, Austria and Switzerland. Following the completion of the program's implementation training, s+c IT consultants will be certified to implement, support and develop tailored ADM applications and solutions. In addition, s+c has announced that it will establish a dedicated internal ADM test environment to handle client integration and support inquiries.

[Altair](#) Data Manager (ADM) captures, organizes and manages CAE and test data throughout all stages of product development. With data analysis capabilities, ADM provides visibility and insight into product performance data, allowing companies to make more informed design decisions. ADM is designed specifically to address the requirements and challenges of managing performance data for complex product development processes. With its methodology, ADM is the key technology for turning data into information and information into useful knowledge for business decisions. Its open and extendible architecture with multiple interfaces allows easy integration to existing PLM environments.

“An increasingly pressing issue in technical computing is how to store, manage and access simulation data appropriately,” said Dr. Roland Niemeier, executive board member at science + computing AG, Germany. Simulation data management (SDM) tools can solve these issues; however, efficient use of these tools requires deep system integration within existing processes. For organizations to realize the full business potential of Altair Data Manager and SDM in general, it is important to tailor deployments to meet client specific needs and their unique development processes. As an ADM implementation partner, we look forward to working closely with Altair to deliver robust, value-driven simulation data management solutions to our target markets.”

“Advances in high-performance computing, the growing adoption of simulation-driven design practices and the fact that voluminous amounts of simulation data, in fact a company's intellectual property, is never captured or resides locally on an engineer's desktop, has created the necessity to capture and easily managing performance information,” said Dr. Jochen Seybold, Director Enterprise Solution Technologies at Altair Engineering, Germany. “The opportunity to work with valued implementation partners like s+c, allows Altair to continue to take a leadership role in developing and furthering our simulation data management solutions which enhance our clients' product development strategies and reduce their timing and costs.”

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The MathWorks Announces EDA Simulator Link DS

24 March 2008

[The MathWorks](#) announced the availability of EDA Simulator Link DS, which provides a co-simulation link between MATLAB and Simulink and the Synopsys VCS MX functional verification solution.

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EDA Simulator Link DS enables reuse of system-level models as test benches for hardware description language (HDL) and register transfer level (RTL) implementations by coordinating the execution of Synopsys' VCS MX solution with MATLAB code and Simulink models. This integration accelerates functional verification by automating stimulus and response generation between the two environments, reducing manual recoding of test benches, and providing enhanced debugging capabilities to system and verification engineers. Engineers using Synopsys' VCS MX functional verification solution can now use EDA Simulator Link DS to improve product quality and reduce verification time and costs.

Key Features in EDA Simulator Link DS

EDA Simulator Link DS lets design, verification, and system engineers use MATLAB and Simulink to efficiently model, analyze, and verify HDL and RTL implementations. Key features include:

- Full VHDL, Verilog, and mixed-language cosimulation support

- MATLAB test bench capability, enabling the use of MATLAB code to stimulate HDL code and check its response

- MATLAB component capability, enabling simulation of MATLAB code in place of entities not yet coded in HDL

- User-selectable shared-memory and TCP/IP-socket communications modes

- Interactive or batch mode cosimulation, debugging, testing, and verification of HDL

Pricing and Availability

EDA Simulator Link DS is available immediately. U.S. list prices start at \$2,000.

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The MathWorks Expands Product Portfolio for Electronic System Verification

24 March 2008

[The MathWorks](#) announced it now offers a continuous verification workflow that connects system-level models and algorithms developed in MATLAB and Simulink with digital hardware simulators from the three major EDA companies.

With the availability of EDA Simulator Link DS, which supports co-simulation between MATLAB and Simulink and the Synopsys VCS MX functional verification solution, The MathWorks completes its EDA Simulator Link portfolio, which also includes EDA Simulator Link MQ (for Mentor Graphics' ModelSim and Questa) and EDA Simulator Link IN (for Cadence Incisive Simulator).

EDA Simulator Link products from The MathWorks, offer support for VHDL, Verilog, and mixed-language simulators, enabling engineers to connect MATLAB and Simulink to their choice of hardware description language (HDL) and register transfer level (RTL) simulator for their hardware design and verification tasks. The products also work with Simulink HDL Coder from The MathWorks to automate integration of legacy RTL IP with designs developed in MATLAB and Simulink. The EDA Simulator Link products support design teams across FPGA and ASIC markets that are striving to reduce development time, design flaws, and verification costs.

The success of EDA Simulator Link products in improving product quality and cutting verification time has fueled demand for additional interfaces to hardware workflows. As a result, the EDA Simulator Link

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portfolio has expanded and has prompted EDA vendors to deliver similar tools for analog and mixed-signal simulators such as Synopsys Discovery AMS and Saber, Cadence Virtuoso Multi-Mode Simulation, Cadence PSpice and Cadence Allegro AMS Simulator, and Mentor Graphics ADVance MS (ADMS).

“MathWorks continues its progression from algorithmic development to ESL design and is now addressing the verification portion of the problem,” said Gary Smith, founder and chief analyst at Gary Smith EDA. “In doing so they have moved from a point tool vendor into one offering a large portion of the complete top down design flow.”

“Today’s semiconductor and electronics companies rely on a range of tools to design and verify their products,” said Ken Karnofsky, director of signal processing and communications at The MathWorks. “Now, implementation and verification teams can reuse the algorithm and system-level design and verification work done in MATLAB and Simulink to reduce downstream design and verification time across projects and hardware implementation tools. Such reuse lowers adoption costs by integrating the preferred tools and languages already used throughout the product development process.”

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think3 and Mahindra Engineering Services Forge Strategic Partnership

27 March 2008

think3 Inc® announced the tie-up with [Mahindra Engineering Services](#) (MES) as a Product Lifecycle Management (PLM) implementation partner in India and across the world.

MES is a long standing player in the PLM implementation and engineering services space and implemented PLM solutions in different organisations. This tie-up will enable think3 to penetrate the Indian market in a big way. thinkPLM products, which are modular and easy to configure, enable companies to manage operational and business activities prudently whilst ensuring total customer satisfaction.

Mr. Prashant kamat, Vice President Business Development & Strategy, MES, said “We are excited to partner [think3](#). The combination of thinkPLM and Mahindra Engineering Services implementation expertise will ensure customers realise a fast return on investment by reducing costs, improving product development times and increasing overall product quality.”

Commenting on the partnership, Tom Davis, Vice President International Business, think3 said, “Mahindra Engineering Services domain expertise in PLM services will ensure the quality of implementation that our customers expect across all verticals that we are targeting. The choice by Mahindra Engineering Services to partner with think3 authenticates thinkPLM as a preferred tool for the mid size manufacturing market and as an ace player in this area.”

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Yunique Solutions Raises the Bar for PLM Image Management; Advanced Storyboard, Collaboration and Adobe Integration Tools Address Designers & Developers

26 March 2008

[Yunique Solutions Inc.](#) announced the addition of significant new image management capabilities to its flagship plmOn™ PLM solution. Already in use at select customer sites, these advanced digital

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storyboard, image sharing, and Adobe® integration tools are aimed at addressing the specific needs of fashion designers, merchandisers, and product developers. The new PLM tools promise to extend the already broad appeal of Yunique Solutions among these creative and collaborative teams.

Innovative new image cataloging tools in Yunique's plmOn enable users to place virtually any digital assets such as materials, trims, sketches, technical drawings, pictures, into a digital storyboard for use in line planning, line selection, and visual collaboration with suppliers and customers. Once design and merchandising concepts are added, the digital storyboard serves as the natural starting point for product developers to launch new raw materials and product/style development right from this visual workspace.

Images managed in plmOn may be appended and displayed with a wide range of user-configurable information to describe the image and identify its style, component, and other product relationships. Of special significance to fashion companies, the browser-based software is fully compatible with both PC and Mac operating systems and allows users to work directly with popular design file formats. In contrast to other web-based systems that are limited to low-resolution JPG or similar image types, plmOn manages native Adobe® Illustrator® files for sketches and technical drawings; Adobe® Photoshop® files for prints and yarn dyes; and industry-specific CAD systems such as U4ia®, Blue Fox Nedgraphics, and Pointcarré. The system also incorporates advanced search capabilities and automatic change notification designed to further streamline the use and management of all company images, digital assets, and storyboards.

Yunique's digital images and storyboards make sharing any product information simple and easy - whether among in-house teams, across the supply chain or with customers. Designers, merchants, developers and customers can share and add comments to the image catalog as part of the previewing/buying process. These visual collaboration tools are also very effective for managing product quality issues, making sourcing decisions, and communicating with factories. Suppliers and business partners may view images and storyboards and add their comments and feedback. Some are also using the storyboard features to visually share and archive photos of their mood boards and sample products. They can even share their visuals with non-Yunique-licensed partners through emails containing thumbnail images and hyperlinks to web-based shared information and graphics.

To further enrich the user experience, Yunique has developed Adobe Illustrator tool boxes that provide fashion-specific brushes, symbols and other design tools exclusively for plmOn users. These special tools speed the process and quality of image management by ensuring that Illustrator images created by plmOn users are always drawn in the correct scale and weight. A true digital asset management tool, plmOn also maintains a complete visual revision history of all images in the system that allows users to view and immediately revert back to a previous version when required. These and other time-saving features of plmOn allow designers to employ best practices to get in and out of their work much faster than ever before.

“We embrace the fact that fashion is a visual business”, stated Daniel Pak, Yunique CTO. “To this end, we will continue to develop and incorporate the tools that help make our customers some of the most productive and satisfied PLM users in the world.”

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