

CONTENTS

Acquisitions	2
RAND Worldwide® to Acquire Certain Assets of Taylor Technologies, Inc.	2
CIMdata News	3
New opinion poll: How many different primary cPDM technologies are currently utilized within your PLM Program (e.g., Teamcenter, ENOVIA, SMARTEAM, Matrix10, Agile PLM, mySAP PLM, Windchill, custom in-house developed...)?	3
CIMdata in the News: Maximizing Competitive Advantage through PLM: Designing a Manageable, Scalable and Cost-Effective Architecture for Innovation	4
CIMdata in the News: "Does One Size Fit All?"	5
Company News	5
Arena Solutions Adds Proven Industry Veteran to Lead Sales	5
ASCENT Launches Inventor R10 Advanced Modeling Course	6
Atos Origin and Open Text Sign Global Alliance to Offer ECM Solutions	7
Dassault Systèmes' Opens German Office	8
Federation Software appoints Tad Frysinger as Executive Vice President of Product Development	9
Ford Motor Company Executive Joins Proficiency Board	10
IMEC, Arteris, CoWare, and Mentor Graphics Collaboration Zeroes in on Multi-Mode Multi-Media Ambient-Intelligence Platforms	11
Japan's STARC Certifies Sequence's PowerTheater and CoolTime For Low-Power, High-Performance Production Flow	13
Tacton and SYSteam Initiate Cooperation To Streamline Production And Sales Processes	14
Tata Consultancy Services Unveils Unique Engineering Initiative To Help SMEs Tap Global Markets	14
think3 Promotes Ciarloni to Chief Technology Officer	15
UGS, A.T. Kearney Procurement Solutions and Tata Consultancy Services Launch Asian Sourcing Network (ASN)	16
Events News	18
Accelerate Your Experience at the Cyco Software International User Conference 2006	18
Actify President and CEO Randy Ochs to Speak at National Manufacturing Week	18
Agile Announces Sponsors and Additional Speakers to AGILITY 2006	19
Announcing AUGI Manufacturing Conference-A Half-Day Learning And Networking Event	21
Executive Education Seminar Series: Global Product Development - Moving from Strategy to Execution	21
International Symposium on Quality Electronic Design Engages IP and Design for Manufacturing Communities	22
Mastercam's New High Speed Toolpaths	24
MatrixOne to Demonstrate Semiconductor Industry Solutions at DATE 2006 (Design Automation and Test in Europe 2006)	25
Pinion Software Debuts Desktop Packager v3.0 for Engineering Data Protection at the National Design Engineering Show 2006	26
SAPPHIRE '06 Paris, May 30 - June 1, 2006, Paris, France: Register Now and Save €200	27
The Latest Version Of STAR-CAT5, the PLM-Embedded Flow And Simulation Tool For CATIA V5, Will Be Unveiled At COE Your Way from March 20-22, 2006 in Atlanta.	28
2006 International ANSYS Conference Features a World of Simulation	29
Financial News	31
Serena Software Stockholders Approve Merger Agreement with Silver Lake Partners	31
SSA Global Reports Final Second Quarter Fiscal Year 2006 Results	32
Implementation Investments	33
Affiliated Engineers Improves Productivity, Accuracy and Coordination on University of Chicago Hospital Project With Autodesk Building Systems	33

CIMdata PLM Industry Summary

Artsana Selects Centric Software's Collection Management Solution for Fashion and Consumer Products	34
CAD Users Dig up the Past Through 'Industrial Archeology'; Designers and Engineers Preserve History by Recreating Products That No Longer Exist	35
Catalog Data Solutions Adopts Lattice Technology's XVL products in 3D Part Catalog Service	37
Delcam's PowerMILL CAM Gives Powerboat Perfection	38
Gerber Technology Donates CAD Software, Signs Cooperation Agreement with Shanghai University of Engineering Science	39
Leading Knitting Machine Manufacturer Selects PLM Solutions from IBM and Dassault Systèmes	40
Mathsoft Sells 5,000th Managed Installation Of Mathcad	41
Maxwell Technologies Selects Ansoft's SIMPLORER as Preferred Platform for Ultracapacitor Component Model Library	42
SmartOrg Case Study: Accelerating the Deployment of Technology in the Oil and Gas Sector	43
Texas Giant Vistawall Group Contracts Avatech Solutions	43
Valor DFM Solution Brings Shorter Delivery Times and Increased Quality to Siemens Bocholt	45
VISTAGY Renews Status as Official Supplier to World Champion Renault F1 Team; Team Engineers Purchase FiberSIM® Software to Explore Designs and Simulate Manufacture of Strong, Reliable Composite Parts for the Renault F1 Team Racecar	46
Zuken Signs Long Term Contract with Lockheed Martin for ECAD PCB Design Solutions to Boost Their Product Development Environment (PDE)	47

Product News **48**

Artemis and MCR Performance Solutions, LLC, Partner to Drive Strategic Asset Optimization Solutions in Energy Sector	48
Camstar Announces Release of InSite v4.1	49
Capvidia Releases FormatWorks 2006 CATIA Enhancements	50
CCE Updates its CATIA V5 Interoperability Solutions to Support CATIA V5 R16	51
Centric Software Introduces Collection Management Solution	52
Cimatron Releases New 5-Axis NC Package	54
Cimmetry Releases Autovue™ for Solaris™	54
CoWare's Latest Software Release Aligns Strategic Technologies into Cohesive, Platform-Driven ESL Design Environment	55
Cyco Software Introduces Cyco AutoManager Meridian for PDMWorks	57
Fluent and DEM Solutions Announce Partnership to Deliver Integrated CFD with Discrete Element Modeling Capabilities	58
Innovative Integration between AspenTech and Microsoft Applications Extends the Value of Simulation Technology	59
MatrixOne Delivers New Methodology Kit For Collaborative Digital Semiconductor Design	61
Mentor Graphics Unveils New Calibre Litho-Friendly Design Product, Bringing Process Variability Data into the Design Flow	62
New Cadence "Knowledge System" Speeds Adoption and Customization of Incisive Plan-to-Closure Methodology	63
OSIsoft Announces RtMessenger	65
PTC Announces Pro/ENGINEER® Wildfire™ 3.0	66
Styled Plastic & Packaging Solution from IBM and Dassault Systèmes Will Accelerate the Creation, Design and Marketing of Consumer Goods	68
Test Insight Addresses Improved Design-for-Test Flow with Cadence; Integrated Test Flow	69
TransMagic 2006 Ships with Direct SolidWorks Support; NGRAIN Format Added, Updated Support for CATIA V5 R16, STEP AP214	71

Acquisitions

RAND Worldwide® to Acquire Certain Assets of Taylor Technologies, Inc.

6 March 2006

RAND Worldwide® ("RAND" or the "Company") has entered into a non-binding letter of intent to acquire certain assets of Taylor Technologies, Inc. ("TTI") based in Kingsford, Michigan. The purchase price, payable by RAND for the assets of TTI, will be made in cash and will be comprised of an upfront

lump-sum payment plus an “earn-out” portion, also payable in cash, should the business associated with the purchased assets achieve certain future financial targets. The transaction is expected to close on or before April 1, 2006.

TTI is a technology integrator, specializing in sales of Autodesk Inc. (“Autodesk”) software, engineering process consulting services and training. TTI generates approximately USD\$8.0 million per year in revenue, and sells Autodesk software and related services primarily to the Architectural, Civil and Geospatial markets. TTI has offices in eight cities throughout the Midwestern U.S., including Chicago, Minneapolis and Milwaukee.

“This acquisition is an excellent opportunity for RAND to expand the geographical reach of our Autodesk services throughout the Midwest, and is consistent with our strategy to further enhance our position within the Architectural and Civil markets,” said Frank Baldesarra, President and CEO of RAND Worldwide. “The adoption of 3D design and collaboration applications continues to show signs of promising growth, and Autodesk is the leading provider of software to this market.

In addition to fortifying our position as the largest third-party vendor of Autodesk software and related services worldwide, we believe this acquisition will be accretive to earnings in 2006. For the remainder of 2006, we will continue to pursue a strategy of building our business both organically and through additional acquisitions.”

“TTI has more than 18 years of engineering and architectural technology experience. During that time, we have built a reputation for providing superior customer service and forging long-term customer relationships,” said Ken Taylor, President and CEO of TTI. “RAND’s global footprint and broad suite of proprietary services and software will enhance our ability to increase the productivity of our customers and expand our relationships with them.”

This transaction is subject to the customary closing conditions including regulatory approval, due diligence satisfactory to RAND and execution of a definitive purchase agreement.

 [Click here to return to Contents](#)

CIMdata News

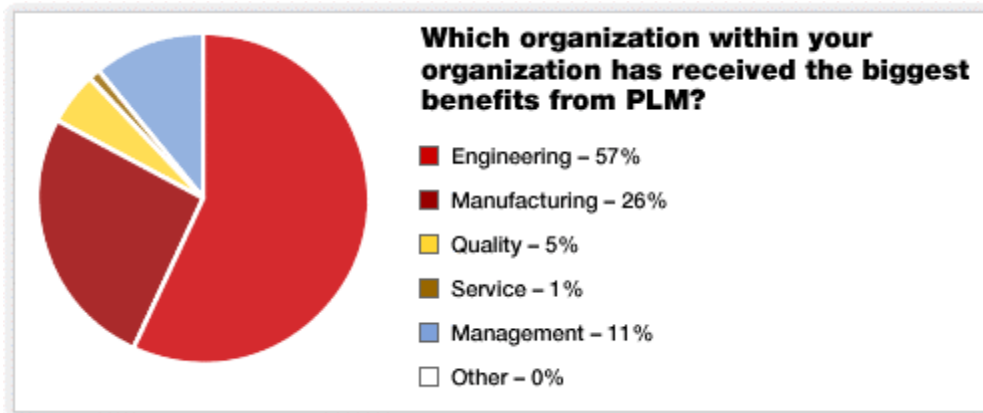
New opinion poll: How many different primary cPDM technologies are currently utilized within your PLM Program (e.g., Teamcenter, ENOVIA, SMARTEAM, Matrix10, Agile PLM, mySAP PLM, Windchill, custom in-house developed...)?

10 March 2006

We have posted a new opinion poll that asks how many different primary cPDM technologies are currently utilized within your PLM program. Please take a moment to tell us your opinion by clicking [here](#).

The results of these polls are tabulated as you vote. The results are completely anonymous. If you are currently logged in your vote will not be connected to your personal information in any way. CIMdata respects your privacy and no personal data will be transferred as a result of voting in these polls.

The results for our last opinion poll are:



NOTE: The results of these polls are anecdotal, not scientific.

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CIMdata in the News: Maximizing Competitive Advantage through PLM: Designing a Manageable, Scalable and Cost-Effective Architecture for Innovation

March 2006

New product development is the lifeblood of every manufacturer, yet many firms fail to effectively manage innovation throughout their organizations. Without a disciplined process for development, design, manufacture, sales and service of new products, these firms can easily squander resources, time and market share to better organized competitors. Fortunately, new PLM solutions can help manufacturers re-capture these opportunities while achieving economies of scale across the enterprise. This eBook, *Maximizing Competitive Advantage through PLM: Designing a Manageable, Scalable and Cost-Effective Architecture for Innovation*, outlines a step-by-step process for executives, IT professionals, designers and engineers and to build a collaborative PLM infrastructure that will simultaneously drive innovation and manage resources and costs more effectively.

In Chapter 2 of this ebook, the author cites CIMdata's observation that organizations that successfully integrate PLM and ERP realize enormous dividends and includes the following statistics as proof:

CIMdata reports that successful PLM and ERP integration typically results in a 75 percent reduction in the time, cost, and errors associated with rekeying data entry from one system to the other. It also provides a 75 percent reduction in bill of materials (BOM) error cost, because BOMs are created once and then managed consistently in both PLM and ERP systems; a 15 percent reduction in inventory

costs because designers and engineers know what parts are already on hand and incorporate them into products or reuse parts more effectively; and an 8 percent reduction in scrap materials.

This ebook is free. However, you registered for this eBook and have logged in with the username and password issued to you for this eBook in order to access the chapters. The book is posted at: <http://b2b.pentoncustommedia.com/t?ctl=2282A:38E8B1>.

 [Click here to return to Contents](#)

CIMdata in the News: “Does One Size Fit All?”

February 2006

What do SMBs need to know and do to get the best PLM value for their specific needs? And what do vendors need to know and do to make the SMB universe a viable PLM market?

These are questions posed in an article in Desktop Engineering authored by Louise Elliott who asked well known industry analysts to answer.

Here is CIMdata’s answer to the first question:

"SMEs want to manage CAD, share information with partners and their supply chain, and they probably also want change management, vaulting and PDM," says Ken Amann, director of research at CIMdata. "As the number of regulations grows, especially in the automotive and electronics industries, they may also need help with regulatory compliance. That’s particularly true of SMBs supplying large OEMs that are under pressure to comply."

To read the full article including Ken Amann’s answer to the second question, click [here](#).

 [Click here to return to Contents](#)

Company News

Arena Solutions Adds Proven Industry Veteran to Lead Sales

7 March 2006

Arena Solutions announced that Rick Borg has joined the company’s executive management team as Senior Vice President, Sales. Borg has a long and accomplished career leading sales and marketing organizations within the software/high tech industry. In this role, Rick will be responsible for growing the company’s global customer base, and achieving customer excellence.

“Our number one priority at Arena is to support our existing community of hundreds of manufacturing customers around the world and to grow that customer base,” said Michael Topolovac, CEO, Arena

Solutions. “Rick has a strong, 20+ year track record of building and managing sales organizations which deliver the customer care that mid-market manufacturers and their global supply chains need and driving double-digit year over year revenue growth.”

“I’m thrilled to be joining a world class organization that really understands the needs of mid-market manufacturers and their global supply chains,” said Rick Borg, senior vice president of sales. “Arena’s unique on-demand business model, innovative technology, and high standards for customer service raise the bar in the PLM market, and I look forward to fueling their continued growth.”

Borg has held senior level sales positions with several well known organizations in the manufacturing technology sector. Most recently, Rick was Executive Vice President/General Manager for Epicor Software Corporation, a leading global supplier of integrated enterprise resource planning (ERP), customer relationship management (CRM) and supply chain management (SCM) solutions to global mid-market manufacturers. While at Epicor, Rick was responsible for over \$100 million in revenue, 500 employees and over 50 channel partners. As a hands-on executive, Borg walked the floor of thousands of manufacturing companies and was responsible for ensuring customer satisfaction at over 6500 mid-market manufacturers.

Rick joined Epicor as part of the DataWorks Corporation merger in 1998. At DataWorks, Rick served as Vice President of Sales and Marketing for the Vista and Vantage Product lines. The Vista and Vantage products were originally developed and sold by DCD Corporation, (acquired by DataWorks in 1996) a family owned software provider, started by Rick’s father and family. Today, Vista and Vantage remain two of Epicor’s leading manufacturing ERP software solutions.

Borg graduated with honors from St. John’s University and holds a bachelor’s degree in Economics.

 [Click here to return to Contents](#)

ASCENT Launches Inventor R10 Advanced Modeling Course

2 March 2006

RAND A Technology Corporation operating as RAND Worldwide, announced that its wholly-owned subsidiary, ASCENT – Center for Technical Knowledge®, launched its third Inventor R10 courseware title, Inventor Advanced Modeling.

The Inventor Advanced Modeling course builds on the skills acquired in ASCENT’s first two titles, Inventor Introduction to Solid Modeling and Inventor Intermediate Modeling courses. It takes Inventor users to a higher level of productivity.

In addition to addressing how to effectively present and manage Inventor models and assemblies, the class covers a broad range of surface modeling techniques. The surfacing techniques covered include all of the surfacing creation tools as well as how to import surfaces from another format. Students also learn Inventor’s presentation and reporting tools, including advanced presentation file tools, assembly bill of

materials, hole tables and Inventor Studio. The analysis of a model and the management of styles are presented through the use of measurement, analysis and style management tools.

“Inventor Advanced Modeling leverages our years of experience in parametric solid modeling systems to bring users to an even higher level of software knowledge,” said Joe Oswald, Executive Vice President, RAND Worldwide. “It furthers ASCENT’s commitment to enabling mechanical designers and engineers to reduce their design time and bring better products to market faster and more cost effectively.”

ASCENT is an Authorized Author, Publisher, and Developer of Autodesk courseware. The company’s complete courseware line-up for Autodesk, Dassault Systèmes, and PTC software solutions can be seen at <http://www.ASCENTed.com/courseware.htm>.

 [Click here to return to Contents](#)

Atos Origin and Open Text Sign Global Alliance to Offer ECM Solutions

7 March 2006

Atos Origin, an international IT services company, and Open Text™ Corporation have signed a global alliance to jointly offer state-of-the-art ECM solutions. The companies will collaborate on the implementation of joint market offerings, using Open Text's Livelink ECM software, in conjunction with a range of consulting, systems integration, application management and managed operation services from Atos Origin. Atos Origin is an industry leader in technology services, with annual revenues of EUR 5 billion and more than 46,000 people worldwide.

Open Text's Livelink ECM software lets users share and archive large volumes of documents, e-mails and other online content quickly and efficiently, as well as manage and track information for compliance.

Joseph McLaughlin, Senior Vice President of Global Partners at Open Text, stated: "Content is the heart of the global enterprise. Many organizations looking to leverage information and manage compliance through ECM are working with leading integration houses such as Atos Origin. Atos Origin has one of the very few dedicated ECM Practices amongst the key IT services players. For Open Text, the business relationship is a natural extension, enabling us to offer our market leading applications to a far broader market. The fact that Atos Origin is rolling out a 20,000-user Livelink ECM-based solution for itself is an added benefit, as the company is leading by example."

Hans Jacobs, Global Domain and Alliances Director, Atos Origin, added: "Atos Origin is a firm believer in the value that ECM offers in today's competitive marketplace where having the right information at the right time is crucial to making strategic decisions. Livelink ECM has helped us to optimize time to answer bids, reduce the costs of supporting several applications in multiple countries, and provide worldwide organizations with one single platform to distribute policies, procedures, presentations, and documents. By combining our ECM expertise with Open Text's state-of-the-art solutions, we will continue to offer our clients significant added value for their content management initiatives."

ECM is one of the key initiatives of Atos Origin and the company has already deployed Livelink ECM with customers worldwide; its revenue in this domain has increased by more than 30 percent last year. The solution offers an effective tool for international organizations to share the right information, quickly and efficiently. Atos Origin implements ECM software as a full-range service, providing the overall spectrum of services and skills required. The implementation of ECM software from Open Text is embedded in a full delivery model, encompassing:

- Business consultancy: identifying the business opportunities and benefits in both the business and engineering environments.
- Technical consultancy: how to fit Livelink ECM into the existing or planned IT infrastructure, and how it will interact with both modern and legacy enterprise systems.
- Evaluation and solution selection.
- System development, integration and deployment.
- XML integration and document management tools.
- Ongoing application management and support.
- Application hosting.

 [Click here to return to Contents](#)

Dassault Systèmes' Opens German Office

9 March 2006

Dassault Systèmes (DS) announced the opening of its new office in Stuttgart, Germany. Based at the heart of Germany's high-tech and manufacturing industries, the new main office of Dassault Systèmes in Germany reinforces DS' commitment to a market where the company's PLM brands are already highly successful.

“Our new base in Stuttgart will help us consolidate the PLM organization we have built in recent months in Germany and Switzerland,” said Denis Senpéré, general manager, PLM North Europe, Dassault Systèmes. “We are committed to strongly supporting our indirect channel in the small- and medium-sized business (SMB) market, which holds very significant potential for PLM sales, and providing it with a growing role in years to come. Proximity to business partners and customers will allow us to tailor our offerings to meet specific local market demands. The same infrastructure will also help strengthen our presence with our large customers across the German-speaking countries.”

CIMdata PLM Industry Summary

Dassault Systèmes AG works with 26 PLM Business Partners and VARs to serve 6,000 customers across all industrial sectors. These business partners offer the PLM software and services that support industrial processes and provide a 3D vision of the entire life cycle of products from conception to maintenance.

With its broad knowledge of the local market, the Dassault Systèmes AG team will work closely with partners and customers to ensure the deployment of industry-specific solutions that reduce customers' product development cycles and cut time-to-market, thereby boosting productivity. DS identified Germany as a key market after the successful implementation of PLM in the German automotive and aerospace industries and their supply chains, and is now focusing on the fabrication and assembly (F&A) and consumer goods markets.

Martin Grunau will lead the German and Swiss PLM Channel Development team located in Stuttgart, in charge of the indirect sales of Dassault Systèmes' PLM portfolio of brands CATIA, DELMIA, ENOVIA and SMARTEAM.

In addition to its main office in Stuttgart, Dassault Systèmes AG has branches in Munich, Herne and Zürich.

 [Click here to return to Contents](#)

Federation Software appoints Tad Frysinger as Executive Vice President of Product Development

8 March 2006

Federation Software announced that Tad Frysinger has been appointed Executive Vice President of Product Development. In his new role, this seasoned executive will lead the critical product strategies for the company's leading software technologies that federate PLM data in manufacturing enterprises.

Frysinger brings 25 years of product development and software engineering experience to Federation Software and has previously held senior technical executive positions for companies whose products monitored, managed, or produced mission-critical Enterprise data.

“We are excited at this addition to the team at a time when federating PLM data has taken a new importance in the industry,” stated Kirk Hanes, President and CEO of Federation Software. “Tad brings the depth of experience we need to take Federation Software to a new level during 2006.”

Prior to joining Federation Software, Frysinger served as Chief Architect at Zenodata Corporation advising both technology and business divisions regarding product development issues. Previously, he was VP of Engineering and CTO at Xaffire, Inc., whose products provide deep monitoring and end-user activity information for Enterprise applications. As VP of Engineering at SmartPoint, he led the production of a highly scalable rules-based messaging system, used as the backbone of a web-hosted services product offering.

He has served on several advisory boards for a variety of software companies including Borland Software and Computer Associates, and has been invited to speak at technical conferences both in the United States and Europe. He also spent over a decade in financial services building secure, highly-available transactional systems for trading, accounting and modeling financial instruments. Frysinger graduated cum laude from the University of Texas at Austin, and has a J.D. from the University of Texas School of Law.

 [Click here to return to Contents](#)

Ford Motor Company Executive Joins Proficiency Board

8 March 2006

Proficiency announced that Dr. Richard Riff, Henry Ford technical fellow at the Ford Motor Company, has joined the company's Board of Directors.

Dr. Riff is the Director of Ford's Product Lifecycle Management (PLM) and Digital Product Creation initiatives and Technical Fellow for Virtual Product Creation and PLM, one of five Technical Fellows at Ford. As a well-recognized industry leader, Dr. Riff brings a valued perspective on the product data integration needs of the automotive industry and will play a key role in formulating Proficiency's strategic direction.

"We are honored to have one of the world's leading authorities in the field of Computer-Aided Design and Manufacturing and PLM join our Board," said Marc Dulude, Chairman of Proficiency. "Dr. Riff's broad technical expertise and his in-depth understanding of the use of product data in the automotive industry make him a significant addition to our Board. The appointment further strengthens our commitment to the automotive industry."

"I am delighted to join the Proficiency Board," said Dr. Riff. "Proficiency recognizes that product data integration between manufacturers and their suppliers requires more than exchange of geometry information. The sharing of design intelligence, including features, parameters, and manufacturing information is critical to improving the efficiency of the entire product development process. I am looking forward to the opportunity to work closely with this board and executive team to further Proficiency's vision for the future of product data integration."

As a Henry Ford Technical Fellow, Virtual Product Creation (VPC) and Product Lifecycle Management (PLM), Dr. Riff leads a team of technical experts focused on Ford's global, enterprise-wide strategies for advanced processes, methods, information and tools/technologies within the virtual product creation (development), analysis, manufacturing and PLM domains. The role of Ford's Technical Fellows is to provide understandable, technically sound advice to the chief technical officer and to the company as a whole, influencing strategic direction on key product and process matters, contributing to corporate technical strategies, using competitive benchmarking to analyze and improve products, technologies and processes, and ensuring the transfer of knowledge across organizations and the continued growth of the company's in-house expertise.

 [Click here to return to Contents](#)

IMEC, Arteris, CoWare, and Mentor Graphics Collaboration Zeroes in on Multi-Mode Multi-Media Ambient-Intelligence Platforms

6 March 2006

IMEC announced that it has extended collaborations with CoWare while adding Arteris and Mentor Graphics to its multi-mode multi-media (M4) research & development program. Based on these cooperations, new design concepts and a practical hardware & software and verification platform are developed for highly-efficient and flexible multi-processor platforms that enable the creation of future ambient-intelligence environments.

Based on low-power, software-defined radio technology and flexible multimedia codec technology, future M4-based terminals will adapt automatically to their surroundings and enable seamless multimedia services experience to the end user, independent of the available radio system.

Using CoWare's platform-based ESL design solutions and IMEC's experimental software tools, the two research teams define and optimize integrated design flows for multi-standard wireless and multi-media platforms based on multi-processor systems on chips (SoCs).

The collaboration with Arteris enables IMEC to architect the M4 on-chip communication infrastructure for the new generation of multi-format multimedia devices, handling high bandwidth traffic in multiple-processors platform. This technology choice allows the creation of multi-processor platforms that can be scaled down to accommodate even smaller manufacturing efficiencies in the future.

The newly established collaboration with Mentor Graphics gives IMEC access to emulation technology that will speed up the verification process of its demonstrators significantly.

"With Arteris, CoWare and Mentor joining our M4 program, IMEC is creating an open research platform where leading companies developing embedded systems or services for ambient intelligence jointly tackle the research challenges by tight research cooperation," said Rudy Lauwereins, Vice President Design Technology for Integrated Information and Communication Systems at IMEC. "By bringing together the different companies in the value chain we will accelerate innovations in designing wireless embedded systems."

"The IMEC M4 program is an ideal application for the Arteris Network on Chip(NoC) approach as it requires leading-edge performance, scalability and the ability to quickly and efficiently integrate and re-use IP from multiple sources. We are pleased to be part of this collaborative effort and work with leading design tool suppliers such as CoWare and Mentor to enable an NoC communication methodology for IMEC," stated Charlie Janac, Arteris Chairman and CEO.

"The M4 partnership has been a great vehicle to further tighten the strategic relationship between IMEC and CoWare," said Karl Van Rompaey, CoWare's Chief Technical Officer. "CoWare's ESL design solutions are successfully deployed in IMEC's M4 design flow. The M4 project allows us to efficiently

share research results and validate our products on multi-media applications and multi-processor architectures of the future."

"The M4 project at IMEC is a great example of research in-step with industry needs," said Eric Selosse, Vice President & General Manager, Mentor Emulation Division. "IMEC's vision for its M4 platform is coupled with their recognition that prototypes must be proven so that they may be adopted by industry. Emulation with VStation gives IMEC the power to prove their technology and is scalable to meet the expected requirements as the M4 platform design size grows."

IMEC is an independent research center in nanoelectronics and nanotechnology. Its research focuses on the next generations of chips and systems, and on the enabling technologies for ambient intelligence. IMEC's research bridges the gap between fundamental research at universities and technology development in industry. Its balance of processing and system know-how, intellectual property portfolio, state-of-the-art infrastructure and its strong network of companies, universities and research institutes worldwide position IMEC as a key partner for shaping technologies for future systems. As an expansion of its wireless autonomous microsystems research, IMEC has created a legal entity in the Netherlands. Stichting IMEC Nederland runs activities at the Holst Centre, an independent R&D institute that develops generic technologies and technology platforms for autonomous wireless transducer solutions and systems-in-foil.

IMEC is headquartered in Leuven, Belgium, and has representatives in the US, China and Japan. Its staff of about 1400 people includes close to 500 industrial residents and guest researchers. In 2005, its revenues are estimated to be close to EUR 200 million. Further information on IMEC can be found at <http://www.imec.be>.

Arteris, SA, provides Network on Chip solutions to transport and manage the on-chip communications within complex System-on-Chip (SoC) integrated circuits, increasing performance, reducing number of global wires, with lower power utilization while enabling the most complex, IP-laden designs.

It allows chip developers to implement efficient and high-performance Network-on-Chip (NoC) designs, overcoming limitations of traditional layered or pipelined bus-based architectures. Arteris' technology is scalable in terms of the number of IP blocks designers can network, as well as with deep submicron silicon manufacturing processes. The NoC solutions are compatible with existing design flows and with IP interface standards.

The Paris-based company operates globally with offices in Boston and San Jose, California. Arteris has raised more than \$12 million in equity investment from an international set of venture capitalists, including Crescendo Ventures, Techno Venture Management and Ventech. More information can be found at <http://www.arteris.com>.

CoWare is a supplier of platform-driven electronic system-level (ESL) design software and services. CoWare offers a comprehensive set of ESL tools that enable electronic companies to "differentiate by design" through the creation of system IP including embedded processors, on-chip buses, and DSP algorithms; the architecture of optimized SoC platforms; and hardware/software co-design. The company's solutions are based on open industry standards including SystemC. CoWare's customers are major systems, semiconductor, and IP companies in the market where consumer electronics, computing,

and communications converge. For more information about CoWare and its products and services visit <http://www.coware.com>.

 [Click here to return to Contents](#)

Japan's STARC Certifies Sequence's PowerTheater and CoolTime For Low-Power, High-Performance Production Flow

8 March 2006

Japan's Semiconductor Technology Academic Research Center (STARC) has certified Sequence Design's PowerTheater and CoolTime SoC power analysis and optimization tools for its new STARCAD-21 production flow. STARC (<http://www.starc.jp/index-j.html>) is a research and development consortium founded by 11 major Japanese semiconductor companies.

PowerTheater provides a complete power analysis and optimization toolkit for full design realization, including the only reliable view of power at the RT level. CoolTime is a cell-based electrical integrity tool for the concurrent analysis of voltage drop, power, electromigration (EM), timing, and signal integrity (SI).

"CoolTime's ability to render accurate and convergent analysis of interdependent electrical effects is well suited to meet the challenges of 90nm design, and PowerTheater's results for peak power and average power in advanced designs were highly correlated with actual silicon," said Nobuyuki Nishiguchi, vice president and general manager, Development Dept.-1, STARC. "Sequence deftly meets the requirements for power-signoff, and is a key component of this important new production flow."

"It is an honor to be chosen for this advanced production flow," said Vic Kulkarni, Sequence president and CEO. "We have developed a great appreciation for STARC's commitment to advancing the science and art of chip design over the past year that we have worked together, and look forward to strengthening our relationship for many years to come."

PowerTheater has capabilities ranging from early RTL analysis to full-chip power estimates for today's largest designs. PowerTheater allows users to begin the design process with a firm handle on power budgets -- before synthesis, when it is too late to optimize -- and complete projects with verified results that correlate to silicon.

CoolTime is a cell-based electrical integrity tool providing concurrent analysis of voltage drop, power, electromigration, timing, and signal integrity for sub-90nm SoC designs, eliminating the need for multiple point tools and iterations.

More information about PowerTheater and CoolTime is available online: http://www.sequencedesign.com/2_solutions/2a_overview.html.

 [Click here to return to Contents](#)

Tacton and SYSteam Initiate Cooperation To Streamline Production And Sales Processes

9 March 2006

Tacton Systems is strengthening its commitment to strategic business partnerships within the PLM arena by cooperating with SYSteam. Under the agreement, SYSteam will become a Tacton Configurator supplier with the aim of streamlining customers' processes, from construction to ordering and sales of tailor-made products on the Internet and off-line.

“We view the cooperation with Tacton as a strong and clear complement to SYSteam's existing operations. Tacton is one of the leading players in Configuration Management and has, like SYSteam, a strong focus on streamlining customers' processes,” says Dick Nyström, CEO, SYSteam Engineering.

The SYSteam Group is a full service IT partner with more than 1,000 employees. In addition to PLM, it offers solutions within ERP, IT infrastructure, systems development/integration, management and management services. SYSteam Engineering is a leading supplier of IBM and Dassault Systèmes PLM solutions based on CATIA and SMARTEAM.

“SYSteam has the experience required for a comprehensive perspective within PLM/product development, with complementary software from the market's leading vendors. This cooperation gives us a strong position in the Swedish market, with a complete and competitive offering for manufacturing companies,” says Christer Wallberg, CEO, Tacton Systems.

 [Click here to return to Contents](#)

Tata Consultancy Services Unveils Unique Engineering Initiative To Help SMEs Tap Global Markets

4 March 2006

Tata Consultancy Services (TCS), a global technology services and consulting company, has launched a consulting-led initiative to tap the engineering potential of the country's Small and Medium Enterprise (SME) segment. This approach will enable SMEs to innovate and access the global markets.

As a part of this initiative, TCS has unveiled its first Engineering Centre of Excellence in Coimbatore. TCS has planned a phased roll out of similar Engineering Centres of Excellence in various manufacturing clusters in the country.

TCS will collaborate with the SME segment to offer integrated design to manufacturing and sourcing services to manufacturing customers worldwide in a platform-based, service-oriented mode. This collaboration will enable SMEs to gain access to global markets, cutting edge technology and tools as well as world-class process excellence.

The TCS Engineering Centre of Excellence in Coimbatore comprises of facilities like high-end engineering workstations for design and analysis, secure storage facilities and a team of engineering solution specialists. UGS is providing design software for the center.

Along with TCS' engineering capabilities in design, quality systems and manufacturing processes, the TCS Engineering Centre of Excellence will work with SME players in the region to improve their engineering capabilities and connect them to potential customers globally. TCS, UGS and AT Kearney (ATK) Procurement Solutions have also partnered to setup an Asian Sourcing Network. The sourcing portal will help Coimbatore-based SMEs access new customers worldwide.

Speaking on the occasion, S. Ramadorai, CEO & MD, Tata Consultancy Services said, "Engineering SMEs from India are gaining momentum globally and TCS' superior IT and engineering capabilities will help establish SMEs in the global arena further." He added: "TCS will continue to pioneer new business models such as these to grow our share of these emerging opportunities."

"The TCS Engineering Centre of Excellence in Coimbatore is replicable across major manufacturing clusters in the country and will help create 'communities of excellence' among the SME segment. Our competencies will be leveraged to assist SMEs with access to technology for improved product design and establish processes which allow them to handle greater workloads and operate with greater efficiency," said Ravi Gopinath, Vice President and Global Head, Engineering and Industrial Services, TCS. "With global alliance partners like UGS and AT Kearney, TCS will help provide greater market access to the SMEs to clients in the US and Europe," he added.

The decision to set up the first Engineering Center of Excellence in Coimbatore is strategic in nature. With over 45,000 registered SSI units, Coimbatore has a high concentration of small and medium scale industries. Coimbatore continues to be an industrial hub for light engineering. TCS is keen to tap this industry cluster in Coimbatore for sourcing and manufacturing services in areas of automotive ancillary / components, foundry, motor & pumps industry, machinery & parts. In an effort to tap this large base, TCS has also signed an MoU with the Coimbatore District Small Industries Association (CODISSIA) which has a membership of over 4,500 registered companies and with an aggregate export revenue of the members in 2005 being close to Rs. 2,400 Crore.

 [Click here to return to Contents](#)

think3 Promotes Ciarloni to Chief Technology Officer

9 March 2006

think3 announced the promotions of Roberto Ciarloni, to Chief Technology Officer and Chief Architect, and Tania Campanelli to R&D Director. Ciarloni is located in Pesaro, and Campanelli works in the Bologna office. In his new position, Ciarloni will be responsible for leading product architecture innovation and evolution. Additionally, he will focus on managing the geometric modeling team and advocating think3 methodologies and approach. Ciarloni has over 20 years of experience in the CAD domain and a Degree in Engineering, University of Bologna. He has also been a professor of computer graphics at the University of Milan. Ciarloni's tenure with the company began in 1991, and he has held several key engineering positions over the past 15 years.

"I am very happy to have Roberto focused on our technology foundation. His contributions will keep our products competitive and successful," said Joe Costello, Chairman and CEO of think3. "At the same time, we must have a strong technical leader to advance the R&D organization in innovative industrial design and industrial machinery competitive positioning. Tania's long history with the company and her ability to introduce aggressive, new engineering approaches make her an extraordinary fit for this new assignment."

With a Master's Degree in Mathematics from the University of Bologna, Campanelli has been with think3 for 14 years. With over 15 years of experience in CAD management and development, she will be responsible for the R&D organization in both Italy and its India team.

These organizational changes illustrate the knowledge, depth and expertise in think3's R&D organization, as the R&D team continues to develop new technology to improve and enhance existing products.

 [Click here to return to Contents](#)

UGS, A.T. Kearney Procurement Solutions and Tata Consultancy Services Launch Asian Sourcing Network (ASN)

6 March 2006

A.T. Kearney Procurement Solutions, a global sourcing services firm, and UGS Corp launched an initiative designed to enable manufacturers to connect companies from low-cost countries to their global innovation networks through a first-ever joint solution of information technology, software and consulting services.

Calling the new joint solution the Asian Sourcing Network (ASN), the companies are teaming with [Tata Consultancy Services \(TCS\)](#), a leading information technology and engineering services organization, to open the first ASN center in Coimbatore, India. Through the ASN center, which the companies opened on March 4, the three companies will find, develop and on-board companies from low-cost countries from which manufacturers and their suppliers can electronically source engineered machine parts. ASN will provide companies with a perpetual local presence, which is critical to the success of low-cost country sourcing activity.

"Identifying and building effective long-term relationships with the right low-cost suppliers will be a distinguishing characteristic of leadership companies going forward," said Joseph Raudabaugh, President, A.T. Kearney Procurement Solutions. "Finding, developing and on-boarding these key suppliers and getting them fully embedded into supplier-partner networks is critical."

"ASN combines the extensive supplier research assessment and negotiation capabilities of A.T. Kearney with the collaboration, content exchange, and sourcing enablement of UGS technologies and the far reaching business experience and recognized quality services of TCS to offer low-cost country sourcing as a packaged solution," added Raudabaugh.

Maximizing Global Innovation Networks

ASN targets the increasing need for manufacturers to tie low-cost country suppliers into their global innovation networks to help reduce cost.

The new category-specific ASN center, focused on engineered machine parts, will include 100 dedicated collaboration workstations, engineering support and supplier development services. The center will initially target over 400 small and medium-sized enterprises (SME) that provide machining services.

"ASN represents a major step forward in enabling companies to leverage global innovation networks by establishing the local presence critical to the success of low-cost country sourcing activity," said Raj Khoshoo, Vice President, Strategic Initiatives, UGS. "The fusion of technology, services, content, data integration and best practices deployment is a logical extension for existing UGS Teamcenter customers. In addition, both existing and new customers will reap benefits including improved process coordination, reduced travel demands and radically enhanced supplier performance."

"This initiative by A.T. Kearney Procurement Solutions, UGS and TCS will enable the global manufacturing industry to achieve desegregation of their value chain and restructure their supply chain to include global suppliers based on the selection criteria of an optimum combination of capability and cost," said Dr. Ravi Gopinath, Vice President, Engineering and Industrial Services, Tata Consultancy Services Ltd. "TCS' extensive understanding of the manufacturing industry puts it in a unique position to make this initiative a big success. TCS is committed to enhance the competitiveness of the manufacturing and SME sector in low-cost countries through supply network management and guiding continuous improvement cycles."

ASN focuses on addressing both classical sourcing needs, such as supplier identification, supplier assessment and evaluation, and sourcing negotiations, as well as providing for critical process and supplier management requirements, such as:

- Supplier participation through "global" collaboration to enable key operational processes, for example, quality monitoring, engineering changes, and inter-company teaming
- Supply market transparency in low-cost countries
- In-country engineering services support
- Technical capabilities mapped to support requirements-driven sourcing analytics
- Version control and tracking of all inter-company documents and communications
- Joint project management and issue tracking
- Configurable workflows and performance tracking

A.T. Kearney Procurement Solutions provides comprehensive strategic procurement services to clients with needs that range from tactical cost savings to outsourced strategic sourcing services to complete procurement transformation. A.T. Kearney Procurement Solutions augments the strategic sourcing expertise of A.T. Kearney (<http://www.atkearney.com>), one of the world's largest management consulting firms. With a global presence that includes more than 60 offices in 37 countries, spanning major and emerging markets, A.T. Kearney provides strategic, operational, organizational and technology consulting and executive search services to the world's leading companies.

 [Click here to return to Contents](#)

Events News

Accelerate Your Experience at the Cyco Software International User Conference 2006

March 2006

The Cyco Software International User Conference will be held June 8-9, 2006 at the Four Seasons hotel in Atlanta, Georgia. The theme of this year's conference is Taking EDM to the Enterprise. This slogan refers to Cyco Software's mission to provide best-of-class technology, integration, applications and services that will help organizations to leverage engineering information throughout the enterprise.

As the premier conference for Cyco AutoManager users, the Cyco Software International User Conference 2006 has been designed to provide you with a wealth of knowledge and ideas to really maximize your Cyco AutoManager investment.

To take advantage of the Early Bird pricing, [register](#) today

 [Click here to return to Contents](#)

Actify President and CEO Randy Ochs to Speak at National Manufacturing Week

8 March 2006

Actify Inc. announced that Randy Ochs, president and CEO, will speak at National Manufacturing Week's Design Engineering Show in Rosemont, IL.

Ochs will deliver a presentation entitled "Digital Design Communications -- The Underpinning of Any Successful PLM Initiative." The presentation will address digital design communication, what it is, who uses it and why it is a critical component of PLM. He will cite real world examples and best practices of companies that have successfully adopted and leveraged digital design communication technology to its fullest potential.

Ochs' presentation will be held on Tuesday, March 21, 2006 at 3PM in the Donald E. Stephens Convention Center in Rosemont, IL. Actify will also be exhibiting in the Microsoft booth -- Number 23017.

National Manufacturing Week, which is running March 20-23, 2006 at the Donald E. Stephens Convention Center in Rosemont, IL, is an annual event held for engineers and executives responsible for design to manufacturing processes for finished goods. For more information about the event, please visit <http://www.manufacturingweek.com>.

 [Click here to return to Contents](#)

Agile Announces Sponsors and Additional Speakers to AGILITY 2006

9 March 2006

Agile Software Corporation announced the sponsors and additional speakers for AGILITY 2006, the premier global PLM conference.

Sponsors of AGILITY 2006 represent the industry's leading technology providers and solution experts and include:

- Platinum sponsors -- Deloitte and IBM
- Gold sponsors -- Kalypso, PRTM, Satyam and Telelogic
- Silver sponsors -- Adobe, Autonomy, Configit, Dr. Maier ESS, Domain Systems, IHS, GoEngineer, J-Squared, McLaren Software, Oracle, PartMiner, Sierra Atlantic, SolidWorks, Sun Microsystems, Synchronus, Total Parts Plus, USB, US Data Management and Zero Wait-State
- Cyber Cafe sponsor -- Microsoft

"Developing our partner ecosystem continues to be a key objective for Agile, and we are pleased that our partners have chosen to sponsor AGILITY, the industry's premier PLM conference," said Jay Fulcher, Agile president and COO. "Our customers will benefit greatly from a wide range of partner presentations, panel discussions and demonstrations focused on product innovation that will be presented at AGILITY 2006."

AGILITY 2006 Features Expert Speakers, Industry and Solution Tracks Agile also announced the addition of several new featured speakers to the AGILITY 2006 agenda. (See press release dated

CIMdata PLM Industry Summary

February 16, 2006 at <http://www.agile.com> to learn about other speakers.) These speakers will cover topics such as product profitability through innovation; developing and launching great products in a globalized economy; realizing maximum value from PLM; sourcing and procurement; managing new product introductions; enterprise quality management; environmental compliance and much more:

-- Mark Davis, partner, Deloitte

-- Jeff Gregg, chief financial officer and executive vice president,
operations and finance, Geneva Watch Group, Inc.

-- Laurence Guihard-Joly, general manager, global electronics industry,
IBM

-- Steve Lowder, vice president, worldwide design institute, Amkor

-- Tim Pickens, vice president, PLM, Estech Systems Inc.

-- David Rudzinsky, CIO and vice president of information systems, Hologic

-- Tom Taxon, vice president, hardware engineering, Alliance Bally Gaming

-- Peter Bilello, senior consultant, CIMdata

-- Jim Brown, vice president, global innovation and engineering research,
Aberdeen

-- Kevin Reale, research director, automotive, AMR Research

-- Michael Burkett, vice president, PLM, AMR Research

-- Marc Halpern, research director, Gartner

-- Ram ChandraSekar, vice president, Agile Labs, Agile

-- Ray Hein, vice president, product strategy, Agile

At AGILITY 2006, attendees will have the opportunity to attend discussions in a range of industries including automotive, consumer packaged goods, electronics and high tech, industrial products, life sciences and semiconductor. Sessions will focus on the latest in compliance, portfolio management,

quality management, cost management, CAD integrations, the PLM platform, and implementation best practices, as well as Agile Advantage for small and medium enterprises and Cimmetry Collaborative Visualization solutions.

For complete information about AGILITY 2006, including the agenda and registration, please visit <http://www.agilityplm.com>.

 [Click here to return to Contents](#)

Announcing AUGI Manufacturing Conference-A Half-Day Learning And Networking Event

March 2006

The AUGI* Manufacturing Conference is a half-day learning and networking event that features four training classes designed to enhance your Autodesk product skills without denting your budget or pulling you away from work for a long period.

AUGI Manufacturing Conference is held in a venue near you – so traveling to and from the event is quick and easy.

Please take a moment to peruse the event details of an AUGI Manufacturing Conference in your area.

Rochester, NY March 28, 2006 (registration open)	San Francisco, CA April 4, 2006 (registration open)	Pittsburgh, PA April 6, 2006 (registration open)
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*Autodesk Users Group International

 [Click here to return to Contents](#)

Executive Education Seminar Series: Global Product Development - Moving from Strategy to Execution

March 2006

PTC's third annual executive education forum will address how leading companies are winning at Global Product Development (GPD). Building on last year's discussion of the "what" and the "why" of GPD, this year will focus on "how" companies are defining and overcoming a core set of GPD challenges. Professor Steven D. Eppinger, MIT Sloan School of Management, Deputy Dean, General Motors LFM Professor of Management Science and Engineering Systems will, once again, lead the audience through a series of presentations from PTC, MIT, and several leading global manufacturers. Presentations will include the results of proprietary GPD research conducted by BusinessWeek, MIT, and others.

Professor Eppinger, along with other globally respected industry leaders, will share solutions to help your company transcend both geographic and organizational boundaries to enable the vast potential of Global Product Development.

The 2006 series will be taking place in the following locations:

Scheduled Events

May 4, 2006 [Half Moon Bay, CA USA](#)

May 16, 2006 [Konigswinter/Bonn, Germany](#)

May 18, 2006 [Paris, France](#)

May 19, 2006 [Milan, Italy](#)

May 24, 2006 [Kohler, WI, USA](#)

Jul 17, 2006 [Taipei, Taiwan](#)

Jul 20, 2006 [Yokohama, Japan](#)

 [Click here to return to Contents](#)

International Symposium on Quality Electronic Design Engages IP and Design for Manufacturing Communities

8 March 2006

The seventh annual International Symposium on Quality Electronic Design (ISQED) announced keynote speeches by industry leaders and experts from Nokia, Samsung, Synopsys, Toshiba and TSMC who will discuss critical issues surrounding quality in electronic design. The conference is being held on March 27-29, 2006 at the DoubleTree Hotel in San Jose, CA.

ISQED also announced two high-powered panel discussion sessions, where leading experts address the important issue of quality design. These panels will focus on the following topics:

- Soft IP Quality: Who is really responsible for quality throughout the design process? (Moderated by Ron Wilson, Executive Editor, EDN)
- Power management and optimization challenges for sub 90nm CMOS Designs - What is the real cost of long battery life? (Moderated by Mike Santarini, Executive Editor, EETimes)

Multiple tutorials will also be available for those who desire in-depth, interactive, and focused insight into the various aspects of electronic design. These tutorials include:

- Emerging Nanometer Technologies and Variability and its Impact on Design
- Emerging Technologies for VLSI Designs

"The ISQED conference is an integral part of establishing a communication link between all semiconductor disciplines such as design, manufacturing, and test," said Raul Camposano, Chief Technology Officer and General Manager at Synopsys and ISQED keynote speaker. "The ISQED focus is on current challenges in achieving quality of design and design methodologies, and provides insight into future trends and related issues."

Powerful Keynotes Headline 2006 Conference

The list of plenary keynoters will offer comprehensive perspective from design, process, and tool methodologies. Keynoters include:

- Dr. Risto Suoranta, Principal scientist and Research Fellow, Nokia Research Center
- Dr. Tohru Furuyama, General Manager, Toshiba SoC Research and Development Center
- Dr. Di Ma, Vice President of Field Technical Support, TSMC
- Dr. Raul Camposano, Sr. Vice President, CTO, and GM, Synopsys
- Dr. Changhyun Kim, Vice President and Fellow, Samsung Electronics
- Dr. Philip Wong, Professor, Stanford University

"ISQED continues to promote ideas, techniques, and methodologies for solving real design quality problems," said Dr. T. Furuyama, General Manager, SoC Research and Development Center, Toshiba Corporation. "The conference continues to help lead new design methodologies that will ultimately provide best of breed design tools for further improving the quality of SoC designs."

ISQED 2006 media and corporate sponsors and support include ARM, AWR, Chip Design, IBSystems, LSI Logic, Magma Design Automation, Mentor Graphics, Silicon Valley Technical Institute, and Synopsys. ISQED will also have several companies exhibiting their latest products and solutions from 1-6pm on March 28 during the conference. List of exhibiting companies include: ARM, Cadence, KLA-Tencor, LSI Logic, Mentor Graphics, OPS A La Carte, PDF Solutions, Sagantec, Simucad Design Automation, SVTI, Synopsys, and Veritools.

ABOUT ISQED

The International Symposium on Quality Electronic Design (ISQED) is a Manufacturing, Design & Design Automation conference, aimed at bridging the gap among electronic design tools and processes, integrated circuit technologies, processes & manufacturing, to achieve design quality. ISQED is the pioneer and leading conference dealing with design for manufacturability and quality (DFM, DFQ) issues front-to-back. The conference attendees are primarily designers of the VLSI circuits & systems (IP & SoC), process/device technologists, semiconductor manufacturing specialists including equipment vendors, and those involved in the R&D and application of EDA Tools & design flows. ISQED

emphasizes a holistic approach toward design quality and intends to highlight and accelerate cooperation among the IC Design, EDA, Semiconductor Process Technology and Manufacturing communities. The conference spans three days, Monday through Wednesday, in three parallel tracks, hosting over 100 technical papers, six keynote speakers, two panel discussions, workshops /tutorials and other informal meetings. ISQED proceedings are published by IEEE Computer Society and hosted in the digital library. Proceedings CD ROMs are published by ACM. ISQED 2006 is held in technical sponsorship of IEEE EDS, IEEE CPMT, and in cooperation with ACM/SigDA. The conference is produced and sponsored by the International Society for Quality Electronic Design.

To register for this conference or for more information regarding the tutorials, conference, workshops, and hotel registration, visit <http://www.isqed.org>.

 [Click here to return to Contents](#)

Mastercam's New High Speed Toolpaths

March 2006

The EASTEC show ushers in the latest CAD/CAM software from CNC Software Inc. Mastercam X's Maintenance Release (MR1) will be showcased in booth # 5527 at the Big E Fairgrounds in West Springfield, MA on May 23-25. Seven new toolpaths (2 roughing and 5 finishing) have been incorporated into the MR1 release, and include a new interface for toolpath creation. These new toolpath types are tailored to high speed machining and hardmilling. They offer a smooth cutting motion along with smooth entry/exits.

Core Roughing – A new strategy for Mastercam that is designed for core machining. The toolpath intelligently cuts the part from the outside in, and always climb cuts, reducing the risk of damaging specialty insert cutters. The toolpath changes its cutting method to inside out when internal pockets are encountered. This minimizes the need for helical ramping or full-width cutting.

Area Clearance – A new strategy for Mastercam designed for cavity machining. Similar to Core Roughing, it uses Z slices through the model at different depths. Area Clearance is designed for clearing large amounts of material starting from the center of the part and working outwards.

Waterline – Also generated from a set of constant Z slices, this toolpath is best suited for semi-finishing and finishing. Waterline has an automatic smooth entry/exit calculation and provides smooth transitions from one Z level to the next.

Scallop – Generates 3D passes at a constant distance from each other along the surface of the part, starting from the outside and working in. This toolpath lets the user control the scallop height, allowing for very smooth finishes.

Horizontal Area – Automatically recognizes and machines flat areas. This toolpath shows off the “minimum distance” retract motion (which is also available in all other high speed toolpaths) to avoid the part while moving from region to region.

Raster – Similar to parallel machining with the added benefit of smoothing sharp corners in the toolpath motion. Features like toolpath filleting optimize the toolpath for smooth motion, which is available in Raster and other high speed toolpaths.

Pencil – Newly enhanced, Pencil identifies all the “seams” of a part and develops a toolpath along those seams. Additional cuts can be added that are offset from the initial pass. The Pencil toolpath conforms to the shape of the part, creating a superior surface finish.

These toolpaths are tailored to high speed machining and hardmilling by offering smooth cutting motions and smooth entry/exits. They are also useful for many applications by offering several cutting styles, the ability to change the cutting style, and having controls like steep/shallow angle limits, rest passes, and holder gouge checking. For more information, please visit <http://www.mastercam.com>.

 [Click here to return to Contents](#)

MatrixOne to Demonstrate Semiconductor Industry Solutions at DATE 2006 (Design Automation and Test in Europe 2006)

7 March 2006

MatrixOne, Inc. announced that it will be demonstrating its semiconductor industry-specific PLM solutions at the annual DATE 2006 conference, Europe's largest forum for the electronic design engineering community. MatrixOne will be located at Booth # B9 during the show, which is taking place this week (March 6-10, 2006) at ICM, MESSE in Munich, Germany.

At the show, visitors to the MatrixOne booth will be able to see demonstrations of its latest industry-specific PLM Accelerators--the MatrixOne Semiconductor Accelerator for Enterprise Project Management™ and the MatrixOne Semiconductor Accelerator for Design-to-Manufacturing™. Both of these solutions enable semiconductor companies and IC design organizations to address the complex business challenges involved with taking large scale development projects from conceptual design through to the manufacturing hand-off. These solutions allow semiconductor manufacturers to rapidly implement industry-specific best practices, with a lower risk and a faster return on investment than other PLM solutions that have not been tailored to the specific needs of semiconductor companies and design organizations.

In addition, MatrixOne will also be showing the MatrixOne Synchronicity® Developer Suite™ solution, which is an advanced design data management environment already in use at 12 of the world's top 15 semiconductor companies. Developer Suite provides designers with improved performance and support for a broad range of EDA applications and operating platforms, facilitating global, multi-site development that can lower cycle times, increase quality and improve return on product development.

What: MatrixOne representatives will be on-site at the annual DATE 2006 show to demonstrate the latest semiconductor-specific electronic design/product lifecycle management solutions.

When/Where: DATE 2006

March 6-10, 2006

ICM, MESSE

Munich, Germany

MatrixOne Booth, #B9

For More Information:

Please visit <http://www.date-conference.com/> for additional information on the show.

 [Click here to return to Contents](#)

Pinion Software Debuts Desktop Packager v3.0 for Engineering Data Protection at the National Design Engineering Show 2006

7 March 2006

Pinion Software, Inc., a provider of Technical Rights Management™ (TRM) solutions for the manufacturing marketplace, announced the debut of its flagship product Pinion Desktop Packager v3.0 at the National Design Engineering Show (NDES), March 21-23, 2006, Donald E. Stephens Convention Center, Rosemont (Chicago), IL. Using Pinion Desktop Packager, engineers and purchasing professionals gain and maintain constant control over how CAD data and related engineering information is used by recipients inside and outside the corporate firewall. Pinion Software sets global standards for safeguarding proprietary engineering data that is being delivered via email, CD, corporate intranet, business portals, or document management systems.

In Booth 17027, Pinion Software will feature live demonstrations of Desktop Packager, and other Pinion security products designed for small to large engineering and manufacturing companies. Pinion Desktop Packager secures high-value intellectual property during all phases of research and product development, including design collaboration, data analysis, and outsourced contract manufacturing.

How Does Pinion Desktop Packager Secure Data?

During the normal course of business, engineers share data with partners, vendors, or contractors. Pinion Desktop Packager is an easy-to-use PC-based application used to safeguard files in their native formats while the files are in-use by recipients. Supported file formats include SolidWorks eDrawings, Autodesk DWF, Adobe PDF, Microsoft Office and Project, and a broad range of other popular technical, business, and media application file types. Users of Pinion Desktop Packager can implement time-based access to files, impose an automatic shred date to self destruct files, and prevent recipients from using Cut, Copy, Paste, and Print functions, as well as screen grabber tools. Pinion's "auto shred" feature is unique to the industry, and not found in other security options. When digital files are "Pintected", CAD users instantly recognize their designs have tamper-proof protection.

Pinion Desktop Packager is ideally suited for small to mid-sized businesses, as it does not require IT infrastructure or dedicated servers. Recipients who have the freely available Pinion Receiver, an unobtrusive reader-type application, can open Pinctected content. Recipients can then view and work with protected files in their native applications to the extent allowed by the permissions assigned by the content owner.

Pinion Desktop Packager Options

Pinion Desktop Packager is a single user license enabling a user to protect single technical and business files in their native format. The Pinion Desktop Packager-Workgroup Edition is a five-seat user license allowing individuals and departments to secure and share information instantly. This edition allows users to protect multiple technical, business, and media application files while they are in-use by recipients. The software can be used in stand-alone mode, or through a plug-in within Outlook or Lotus Notes.

Pricing and Support

The entry-level Pinion Desktop Packager is priced at \$299.00 USD. Pinion Desktop Packager - Workgroup Edition retails at \$4,995 USD. Prices are subject to change. Pinion Software provides a full array of File Security products for the needs and budget of any client including the top-of-the-line Secure Enterprise™ for large corporations. Pinion products can be purchased directly through Pinion Software. Technical support is available via Pinion's customer web portal, email, or a customer r support phone line from 8am to 6pm, Monday through Friday (CST).

What is Technical Rights Management?

[Pinion Software's](#) first-to-market Technical Rights Management (TRM) technology allows users of CAD and other technical applications to produce and share files in their native format, while continuously safeguarding the digital information during its entire lifecycle -- from concept to design collaboration to final part production. Manufacturers can now protect their CAD designs, specifications, and engineering documentation, as well as complex spreadsheets, sales projections, company financials, business plans and strategies, and much more.

 [Click here to return to Contents](#)

SAPPHIRE '06 Paris, May 30 - June 1, 2006, Paris, France: Register Now and Save €200

March 2006

SAPPHIRE '06 Paris offers you and your colleagues a wide variety of presentations, networking opportunities, and interactive demo stations designed to help you accelerate innovation and energize growth.

Here are some key benefits:

- Learn best practices and approaches from your industry peers, representing organizations of all sizes
- Hear SAP Executive Board members share their vision for the future
- Meet with SAP experts, senior executives, partners, and solution providers to learn about the latest solutions and services
- Discover industry solutions with built-in best practices
- Connect with other SAP customers from the business and technical worlds.

[Register](#) now through Friday, April 21, 2006, and you'll save €200 on each early-bird SAPPHIRE '06 Paris registration.

 [Click here to return to Contents](#)

The Latest Version Of STAR-CAT5, the PLM-Embedded Flow And Simulation Tool For CATIA V5, Will Be Unveiled At COE Your Way from March 20-22, 2006 in Atlanta.

6 March 2006

CD-adapco, the developers of STAR-CAT5 and the STAR-CD and STAR-CCM+ CFD codes will be demonstrating STAR-CAT5 in Booth 604.

Up-front simulation has become a competitive necessity, allowing users to confirm design assumptions and predict product performance early in the product design process. STAR-CAT5, part of the STAR-CAD Series, has been created specifically to enable Design and Project engineers to undertake basic flow simulation, even if they are lacking experience in traditional Computational Fluid Dynamics (CFD) analysis. The product continues to revolutionize flow simulation by maintaining operability whilst introducing additional capabilities and productivity enhancements.

STAR-CAT5 is embedded within the CATIA V5 environment. CFD functionality is presented as additional easy-to-use menus within CATIA. Because the CFD solution becomes an integral part of the CATIA model, full associativity with the model is maintained throughout the simulation process, so that any design changes made in response to simulation results are reflected in the solution almost immediately. Solutions are updated at the click of a button without additional user intervention.

STAR-CAT5 V4.02 is packed with user-driven new features and enhancements. This new version features numerous new capabilities that broaden the spectrum of solution possibilities, such as the addition of new boundary conditions and external thermal treatment. User productivity by a new volume meshing strategy for assemblies, faster mesh generation and solver speeds, and improvements to the turbulence modeling that reduce grid sensitivity. The reporting of engineering quantities has been improved with the addition of a HTML based reporting. Interactive, 3D results scenes can now be sent

direct to your manager or client with a freeware visualization utility, enabling their fast and efficient communication of flow simulation data.

“Design Engineers need tools that have the required simulation capabilities, are robust, fast and accurate, intuitive and integrated within their design environment. I am confident that STAR-CAT5 V4.02 will enable our users to extract the highest value from our solutions,” said Jean-Claude Ercolanelli, CD-adapco’s Product Manager for the STAR-CAD Series. “The ability to shorten the product development cycle translates into dramatic savings at the bottom-line. STAR-CAT5 customers will benefit from better product performance in less time, at lower costs, with less physical testing.”

 [Click here to return to Contents](#)

2006 International ANSYS Conference Features a World of Simulation

7 March 2006

ANSYS, Inc. announced the 2006 International ANSYS Conference. A must-attend event for executives, managers and technical staff in a wide range of industries, the conference is scheduled for May 2 - 4 at the David L. Lawrence Convention Center in Pittsburgh, Pennsylvania, U.S.A.

This is the thirteenth conference that ANSYS has staged since its inaugural event in 1983. During the last two decades, as simulation has become a critical element of the product development process, the content, breadth and attendance of the International ANSYS Conference has grown as well. Companies from around the world, in a wide range of geographic regions and industries, are planning to attend the 2006 event.

The International ANSYS Conference brings together engineers, analysts and management from all disciplines of CAE to learn about the future of engineering design simulation and analysis. Themed "A World of Simulation," this year's conference will showcase how global, forward-thinking companies have put engineering simulation at the forefront in producing innovative and successful products. The conference will demonstrate how ANSYS' vision and technology meet the ever-changing needs of users who demand integrated, automated, scalable and multidisciplinary tools. In addition, participants will have the opportunity to see and hear how ANSYS' next release will impact the industry, to try out the hands-on preview and to exchange ideas with ANSYS team members, industry experts and colleagues from companies throughout the world.

"Today, innovation is a critical element in business strategy. Our drive to advance engineering simulation for our valued user community places ANSYS at the technological forefront of such strategy. Over the years, technology has advanced significantly, and our expanding customer base continues to find new ways to use these tools to drive innovation in product development and design. We look forward to getting together with our customers at the conference to learn about their most recent innovations in the world of simulation technology," said Jim Cashman, president and CEO of ANSYS, Inc.

The 2006 International ANSYS Conference will feature dynamic keynote presentations, technical sessions, management sessions, ANSYS Solves topics (which provide an inside look at the latest ANSYS technologies and how this technology can be applied to help ensure success) and exhibitions.

CIMdata PLM Industry Summary

Conference speakers will address how their leading organizations have created innovative solutions:

- Sophie Vandebroek, Ph.D., Chief Technology Officer and President, Xerox Innovation Group: exploring the unknown in product innovation (keynote address)
- James E. Cashman III, President and Chief Executive Officer, ANSYS, Inc.: perspectives on innovation
Kyril Faenov, Director, High Performance Computing, Windows Server Group, Microsoft: product plans and roadmap
- John L. Gross, Ph.D., P.E., Research Structural Engineer, Building and Fire Research Laboratory, National Institute of Standards and Technology (NIST): investigating the World Trade Center Towers collapse
- Graham Hawkes, Ocean Engineer, Inventor and Founder, Hawkes Ocean Technologies: the birth of underwater flight
- Dale S. Preece, Ph.D., Distinguished Member of Technical Staff, Sandia National Laboratories: simulation in developing national security explosives

Technical sessions will detail how product development professionals in specific industries have deployed simulation technology in their design process: aerospace and aviation, automotive and transportation, biomechanics, chemical process and petroleum, civil engineering, computers and software, consumer products, education, electronics and electrical, MEMS, nuclear and power generation. Their success stories will show how the integrated ANSYS portfolio provides benefits critical to the engineering process.

Beyond the technical challenges it presents, the drive for innovation is greatly affected by the decisions managers make. The 2006 International ANSYS Conference will host a management track to outline best practices. Innovative organizations will discuss leveraging computer modeling, simulation tools and processes to stay ahead of the curve. In addition, managers will have the opportunity to network and share ideas with their peers. Main management session presenters include:

- Stefan H. Thomke, Ph.D., Professor of Business Administration, Harvard Business School: experimentation and breakthrough innovation
- Craig Vogel, Director, Center for Design Research and Innovation, University of Cincinnati: delivering value in the product development process

The World of Innovation Expo will be staged in the largest exhibit hall in the history of the conference. The David L. Lawrence Convention Center will host ANSYS, its most valued partners and other companies as they provide hands-on demos, literature and displays of their innovative products -- which all can contribute to further innovation in any company's design process. This year's new venue allows the opportunity for more space, more exhibitors (from hardware partners to CAD software developers to engineering consultants) and extended hours. One of the most popular elements of the exhibit hall has

been the ANSYS hands-on area, and this year's content, breadth and size have increased greatly from previous events. In response to attendee feedback, the area has been expanded to accommodate an unprecedented number of users. Twice as many computers will be available for use -- courtesy of hardware sponsors AMD and Intel -- compared to the 2004 event. The hands-on area will provide attendees the opportunity to work with the full range of ANSYS software offerings, as well as preview the upcoming ANSYS release. In addition, experts in disciplines from nonlinear to fluid structure interaction (FSI) to computational fluid dynamics (CFD) to meshing will be available to consult informally on problem solving and best practices. Formal presentations will be staged in the area as well, providing another opportunity to learn about the latest technology from ANSYS, Inc.

Pre-conference training, which will be held prior to the conference on April 30 through May 1 at the Westin Convention Center Pittsburgh, will offer insight into ANSYS products for a variety of advanced analyses. Participants will receive instruction (in some cases hands-on) on topics ranging from advanced shell meshing to programming in ANSYS-APDL.

Accommodations for both the conference and pre-conference training are being provided by the Westin Convention Center Pittsburgh, which is connected to the 2006 International ANSYS Conference site. Visit <http://www.ansys.com/conf2006> for more information and to register.

Sponsors of the 2006 International ANSYS Conference include: Platinum - Microsoft; Gold - Autodesk, Hewlett-Packard and Silicon Graphics, Inc.; as well as Silver - AMD, ATI, Dell, i*hydra, Intel and Moldflow.

 [Click here to return to Contents](#)

Financial News

Serena Software Stockholders Approve Merger Agreement with Silver Lake Partners

3 March 2006

Serena Software, Inc. announced that its stockholders voted to adopt the merger agreement providing for the acquisition of Serena by Silver Lake Partners at a special meeting of Serena's stockholders held today.

The proposed merger was announced on November 11, 2005, and is expected to close on March 10, 2006, pending the satisfaction or waiver of all the closing conditions set forth in the merger agreement. Serena expects that its stock will cease trading on the NASDAQ National Market at market close on March 10, 2006. Under the terms of the merger agreement, Serena stockholders will receive \$24.00 per share in cash, without interest, for each share of Serena common stock.

About Serena Software, Inc.

With more than 25 years of experience in managing change throughout the IT environment, Serena Software provides Change Governance software to help global 2000 organizations visualize, orchestrate

and enforce effective business processes throughout the IT lifecycle. More than 15,000 organizations around the world, including 96 of the Fortune 100, leverage Serena's integrated change management framework to manage costs, ensure consistent quality of service, mitigate business risks and ultimately profit from change. Serena is headquartered in San Mateo, California, with offices throughout the U.S., Europe, and Asia Pacific. For more information, please visit <http://www.serena.com>.

About Silver Lake Partners

Silver Lake Partners is a private equity firm focused exclusively on large-scale investing in technology and related growth industries. Silver Lake's mission is to function as a value-added partner to the management teams of the world's leading technology franchises. Its portfolio companies include technology industry leaders such as Avago (formerly Agilent's Semiconductor Products Group), Business Objects, Flextronics, Gartner, Instinet, NASDAQ, Network General, Seagate Technology, SunGard Data Systems, Thomson and UGS. For more information, please visit <http://www.silverlake.com>.

 [Click here to return to Contents](#)

SSA Global Reports Final Second Quarter Fiscal Year 2006 Results

9 March 2006

SSA Global™ announced final financial results for the second quarter ended January 31, 2006.

"SSA Global continues to execute against its long term strategy of acquiring market share and developing customer share. Our year over year license growth is evidence of solid progress coupled with a high level of operational performance across the business. Yesterday we announced the acquisition of Provia Software, a leader in supply chain execution solutions and we welcome the employees and customers into the SSA Global team," said Mike Greenough, chairman, president and CEO of SSA Global.

Second quarter total revenue increased 6% to \$187.9 million compared to \$178.0 million last year.

License revenue for the quarter was \$56.8 million, an increase of 11% from the second quarter last year and represented 30% of total revenue compared to 29% last year. On an organic basis, excluding Epiphany's contribution in the quarter and normalizing for foreign exchange equalization, license revenue grew 7%.

The acquisition of Epiphany, which closed on September 29, 2005, contributed \$15.4 million to total revenue and \$4.3 million to license revenue in the quarter.

During the second quarter, North America contributed 46% of total revenue; Europe, Middle East and Africa (EMEA) contributed 39%; and Asia-Pacific/Japan (APJ) and Latin America contributed 15%. For the quarter, 1,178 contracts were signed, including 56 new customers that represented 8% of the total license value associated with software contracts signed in the quarter.

CIMdata PLM Industry Summary

On an adjusted basis for the second quarter, total revenue grew 6% to \$188.5 million and net income grew 10% to \$18.7 million or \$0.25 per diluted share up from \$17.0 million or \$0.23 per diluted share last year. (Adjusted revenue, net income and earnings per diluted share includes deferred license revenue associated with the Epiphany acquisitions and an assumed 34% tax rate; it excludes amortization of acquired intangibles, stock option-based compensation expense and restructuring charges).

For the quarter, the Company reported GAAP net income of \$6.6 million compared to \$8.0 million last year, and earnings per diluted share under GAAP was \$0.09 this quarter.

Cash and cash equivalents as of January 31, 2006 totaled \$136.0 million and net cash provided by operating activities for the quarter totaled \$49.5 million. Days Sales Outstanding (DSO) were 89 and down from 97 days at the end of the second quarter last year.

The Company will hold a conference call following the release after the close of market at 5:00 p.m. EST.

Date: Thursday, March 9, 2006

Time: 5:00 p.m. EST

Dial in: +1 (866) 277-1184 or outside the U.S.

+1 (617) 597-5360

Passcode: 28489575

On the call, senior management will review second quarter 2006 earnings. Investors and analysts are invited to participate on the call. Please dial in approximately ten minutes prior to the 5:00 p.m. start time. A live, audio-only webcast of the call will be made available to the public on the Company's website at <http://investor.ssaglobal.com> and will be archived for approximately three months following the call. In addition, a replay of the call will be available approximately one hour after the conference call concludes and will remain available through Thursday, March 16th. To access the replay, dial 1-888-286-8010 in the U.S. and Canada, or 1-617-801-6888 outside U.S. and Canada, passcode 34015897.

Click [here](#) for full financials.

 [Click here to return to Contents](#)

Implementation Investments

Affiliated Engineers Improves Productivity, Accuracy and Coordination on University of Chicago Hospital Project With Autodesk Building Systems

6 March 2006

Autodesk, Inc. announced that Affiliated Engineers, Inc. (AEI) has standardized on Autodesk Building Systems software for multiple major projects including the 142,000-square-foot Comer 2 Emergency Department addition to the University of Chicago Hospital. Autodesk Building Systems is the AutoCAD-software-based solution that enables mechanical/ electrical/ plumbing (MEP) engineers, designers and drafters to realize their ideas and increase productivity, accuracy and coordination in building systems design and documentation. In addition, Autodesk Building Systems 2006 recently received an honorable mention in the software category of the 2006 AHR Expo Innovation Awards at the 2006 Air Conditioning, Heating, and Refrigerating Exposition in Chicago.

AEI, a national consulting engineering firm specializing in the design of mechanical, electrical and piping systems for research, healthcare and higher education, has earned a national reputation for designing and engineering high-performance, energy efficient building systems. For the Comer 2 Emergency Department addition to the University of Chicago Hospital, which includes four floors, a basement and mechanical penthouse, AEI turned to Autodesk Building Systems to manage the complex design coordination challenges presented by this project. With the many types and numbers of mechanical and electrical systems which characterize a typical hospital facility, coupled with limited space, AEI had to accurately coordinate their engineering designs to maximize use of space. AEI engineers also had to ensure that their engineering design isolated the Emergency Department from adjoining spaces to prevent the possible spread of airborne infectious disease. Throughout the process, Autodesk Building Systems enabled AEI to deliver its clients engineering designs which were complete, correct and coordinated.

"Autodesk Building Systems has helped AEI produce highly coordinated documents through quick development of building sections and use of the conflict detection feature," said Paul Petska, Managing Director, Affiliated Engineers, Inc. "We feel very confident that Autodesk Building Systems is a real benefit to our design process, and will become an integral part of the firm over the next five years."

 [Click here to return to Contents](#)

Artsana Selects Centric Software's Collection Management Solution for Fashion and Consumer Products

7 March 2006

Centric Software announced that Artsana, a global supplier of children's apparel, toys and family care products, based in Como, Italy, has successfully completed a pilot program utilizing Centric's Collection Management solution. Due to the success of the pilot, Artsana has placed an order through AEC s.r.l. Consulting, Centric's partner and reseller in Italy, to deploy Centric's solutions across all worldwide operations and brands.

The fashion business units at Artsana will use Centric's Collection Management solution to manage the execution of the planning, development and preproduction sourcing stages for each seasonal fashion collection. The consumer products business units at Artsana will manage the execution of the planning, development and testing stages for new product development. The solution will enable improved collaboration between European operations and business partners in the Far East.

“Artsana delivered more than 10,000 new products over the last five years and needs to ensure the timely and profitable release of new products,” said Mr. Michele Catelli, Artsana president and general manager. “Now, we will have more visibility into our operations and will benefit from repeatable business processes to increase our competitiveness. Throughout the pilot project, the Centric team consistently delivered excellent customer service, convincing us that the company understands our business problems and truly cares about our success.”

“As the Artsana pilot demonstrates, Centric’s Collection Management solution can meet the demanding schedules and time pressure of apparel manufacturers and other consumer goods industries,” said Chris Groves, chief executive officer of Centric Software. “Apparel and consumer goods companies like Artsana can readily achieve success because Centric’s Collection Management uses live data to deliver multi-level visibility into critical issues and coordinate execution, without disrupting on-going business cycles.”

Centric’s Collection Management solution provides apparel and other consumer goods manufacturers with the ability to manage and deliver thousands of items on tight calendar deadlines repeated throughout the year. In real-time, the web-based solution aggregates and rolls-up key performance indicators about thousand of items, continually providing status tracking and current performance measurements for each individual item as well as product lines and roll-ups of entire collections. The distributed project teams in the consumer products business unit use a secure web-based workspace to share information, coordinate activities, work collaboratively and bring more winning new products to market, faster, with fewer mistakes and improved accountability.

“We evaluated a number of apparel industry solutions, and selected Centric’s Collection Management because the solution was rapidly deployed and addressed our specific business concerns as well as being readily accepted by the end user community,” said Mr. Fabrizio Oliveri, Artsana’s information technology and logistics director. “Collection Management will help us run our collections more effectively and meet the ever more demanding schedules within a cost constrained environment.”

 [Click here to return to Contents](#)

CAD Users Dig up the Past Through 'Industrial Archeology'; Designers and Engineers Preserve History by Recreating Products That No Longer Exist

6 March 2006

Museums and history buffs have begun using SolidWorks® 3D CAD software for an exciting new application - breathing life into centuries past.

"Industrial archeology" is the study and re-creation of machines, parts, vehicles, and buildings that may have vanished, been destroyed, gone obsolete, or perhaps never existed at all. The practice combines art, history, craftsmanship, and, in a new twist, computer-aided design.

Industrial archeologists like William L. Gould of Fallbrook, Calif., use SolidWorks software as an efficient, mechanically faithful way to illustrate, in three dimensions and myriad individual components, a piece of lost history.

For example, his full-color 3D CAD model of the 1879 Mason Bogie, a steam locomotive rendered in SolidWorks and PhotoWorks™ software, exists as a 3D CAD model with hundreds of discrete parts. It is available as a fine art lithographic print or a set of plans in exacting detail.

Built by the Mason Locomotive Works, the original Mason Bogie is considered one of the most beautiful locomotives ever built, often dubbed "the Swiss watch of trains." The largest single user of the colorful locomotives was the Denver, South Park, and Pacific Railroad. Gould modeled the locomotive as it appeared early in service with an elegant color scheme based on consultation with historians. This is the first time it has been seen in color since its creation in 1879. The only existing real-world Mason Bogie - a much later, different style than the original 1879 - is maintained in mint condition and operated at The Henry Ford Museum in Dearborn, Mich.

"Although the power of computer-aided design has redefined the notion of craftsmanship, CAD is a powerful tool to recreate objects that have disappeared or exist only in a would-be inventor's sketches," said Gould, also a medical device and consumer parts designer. "Using SolidWorks, we can create any form we want, whether it was conceived yesterday or 180 years ago. SolidWorks makes the reconstruction aspects of industrial archeology a piece of cake."

Gould's locomotive model was a prizewinner in the SolidWorks World 2006 Design Contest. He will tackle other industrial archeology projects in hopes of supplying documentation service and animations to museum curators and exhibit designers. His dream, however, is a "virtual museum" - i.e., an online museum filled with historically accurate cyber models and faithful recreations of artifacts that no longer exist.

"Museums are just beginning to use 3D CAD for industrial archeology, and SolidWorks is by far the best software for this purpose," Gould said. "For me, the whole concept is very important because in many instances museums have document collections but lack the corresponding artifact. You solve a mystery when you design products from an inventor's sketches to see if they would really have worked. To a historian that answer is gold."

For more information on industrial archaeology, listen to the podcast at <http://www.solidworks.com/mediapodcast>. Gould's company, Gould Studios, works with SolidWorks reseller GoEngineer for ongoing software training, implementation, and support.

About Gould Studios

William Gould started his own business in 1973, providing prototype modelmaking, injection molding, and design services to the medical device and consumer product industries. "One thing I have learned over the past 30 years is that all good design must flow from the past - an updating of the traditional, so to speak," he said. "It is really important to study and appreciate our industrial past to create even better products for today's consumer." His Mason Bogie is the fourth in a series of subjects from the history of transportation. He may be contacted at <http://www.GouldStudios.com>.

About GoEngineer

GoEngineer®, Inc. is a business partner for companies that design, engineer, and manufacture products, helping customers enhance business processes and realize competitive advantage through their software investment. GoEngineer is North America's #1 reseller of SolidWorks product design software. JumpStart(SM) is GoEngineer's unique, fixed-price, best-practices based implementation service. Over 4,000 customers have made GoEngineer their business partner. Learn more at <http://goengineer.com>.

 [Click here to return to Contents](#)

Catalog Data Solutions Adopts Lattice Technology's XVL products in 3D Part Catalog Service

7 March 2006

Lattice Technology, Inc. announced that Catalog Data Solutions (CDS) has adopted Lattice's XVL technology to enable its On-Demand 3D Spare Parts Catalog solution.

Catalog Data Solutions (CDS) specializes in On-Demand software solutions for Industrial manufacturers and distributors. CDS software solutions include interactive online catalogs, product configurators, 3D Spare Part Catalogs, and 3D CAD Drawing downloads. CDS Solutions help manufacturers to grow sales, reduce support costs, and strengthen customer loyalty by simplifying the selection and purchase of standard and configured products. The company leverages 3D data directly into their online catalog solution to enable the efficient selection of engineered and aftermarket parts. CDS has built its latest product - CDS 3D Spare Part Catalog around Lattice's XVL viewer to enable both 2D and 3D selection of spare parts for all types of industrial machines.

Lattice's XVL technology is a 3D publishing technology that provides state-of-the-art compression rates of more than 97% on massive 3D files, so they can be easily shared, viewed and used in downstream processes.

“This is an ideal application of XVL,” said Hiroshi Toriya, CEO of Lattice Technology Inc. “XVL is extremely web-friendly which means that 3D data that would normally be retained in proprietary formats can be seen, used and leveraged for online sales and purchasing systems such as this.”

“The superb compression of XVL was a major aspect of our choice to adopt XVL,” said John Major, CEO of Catalog Data Solutions. “XVL means we can include massive 3D assemblies in the parts catalogs that would have previously been too massive to handle in online applications. The ease of use for people using our CDS 3D Spare Part is now second-to-none.”

CDS is also using Lattice's applications to assist with the creation of 3D Spare Part Catalogs for their customers: using the XVL Converters the company can rapidly convert their existing 3D CAD for use with the 3D Spare Part Catalog. CDS itself also supports almost any type of 3D CAD format supplied from its customers.

“The release of the CDS 3D Spare Part Catalog means that even the smallest manufacturers can consider utilizing tools such as this,” added Major. “This could not have occurred without Lattice's XVL technology.”

The CDS 3D Spare Part Catalog solution is available now from Catalog Data Solutions.

About Catalog Data Solutions

Catalog Data Solutions (CDS) specializes in On-Demand software solutions for Industrial manufacturers and distributors. The CDS Commerce Solution includes interactive online catalogs, product configurators, 3D Spare Part Catalogs, and 3D model downloads. CDS Solutions help manufacturers to grow sales, reduce support costs, and strengthen customer loyalty by simplifying the selection and purchase of standard and configured products. For more information, visit <http://www.catalogds.com>.

 [Click here to return to Contents](#)

Delcam's PowerMILL CAM Gives Powerboat Perfection

3 March 2006

Given the many thousands of years over which boat building has been carried out on Cyprus, it is not too surprising to find a successful company like Karnic Powerboats on the island. More unusual is the high level of technology used by the company, including a five-axis CMS PK48 router programmed with Delcam's PowerMILL CAM system.

The main application of the router is to machine full-scale models of each of the main parts of the hull and super-structure. Composite moulds are then cast onto the models. Each mould is polished to a mirror finish so that its high-gloss surface will be reproduced in all the glass-fibre parts it produces.

While the staff at Karnic were, of course, expert boat builders, none of them had any experience of CAM or CNC machining before the introduction of the CMS machine and PowerMILL. Even so, they were able to machine the company's simpler models within three weeks. A few months later, they were successfully manufacturing the most complicated shapes, involving deep recesses that required many rotations of the machine head to finish them completely.

The first benefit of the new approach was better repeatability. "This was apparent from the start when we were using the machine in three-axis mode to cut plywood and other production panels used on our boats," said Nicos Karaolis, Karnic's Managing Director.

The high accuracy became even more important as the company progressed to larger, more complex shapes. "PowerMILL enables you to machine shapes down to a fraction of a millimetre accuracy," claimed Mr. Karaolis. "We can make a large piece, a hull for example, in several blocks which can be joined with a perfect match."

A reduction in the amount of hand finishing also contributes to greater accuracy, as well as saving time. "We still need some time for finishing but it is considerably reduced," commented Mr. Karaolis. "The extent of the saving depends on the complexity of the part. On average, we can produce tooling in half of the time required with traditional methods."

Karnic's engineers design the company's boats for the highest offshore performance, without sacrificing safety, stability or fuel economy. Its high quality standards are not just applied to the visible parts but also to the sections that cannot be seen. "We pay special attention to the internal structure of the boat, which determines strength, controls flexibility and ensures endurance," said Mr. Karaolis. "We guarantee every Karnic hull for ten years. We can do that with complete confidence thanks to our advanced technology and our skilled people."

 [Click here to return to Contents](#)

Gerber Technology Donates CAD Software, Signs Cooperation Agreement with Shanghai University of Engineering Science

3 March 2006

Gerber Technology has announced it donated computer-aided design (CAD) software to the Shanghai University of Engineering Science (SUES). The donation ceremony, held on February 20 in the multi-media centre of SUES, was a prelude to the cooperation agreement between Gerber Technology and the College of Fashion, SUES signed during the event. Gerber Technology donated 40 seats (licenses) of Accumark PE pattern design, grading and marker making software and 40 seats of Accumark MTM made-to-measure software. This represents a total value of nearly 6,500,000 RMB (\$800,000). As part of the donation, Gerber Technology will provide software upgrades to the school free of charge. Gerber will also train SUES instructors to improve their practical knowledge of the systems and their applications. With the signed agreement of cooperation, SUES has become Gerber Technology's newest education partner in mainland China.

A world leading software and hardware supplier of CAD/CAM solutions, Gerber Technology's world headquarters is located in Tolland, Connecticut, U.S.A. For nearly 30 years, Gerber has made a continued commitment to developing its business in China with a strong focus on the apparel industry. To support the growing market demand and trade opportunities in China, in 2004 Gerber expanded and relocated its Advanced Technology Center (ATC) to Shanghai Caohejing Hi-tech. The facility serves as a center for product demonstration, software testing, system training, customer service and support, sales, local product development and engineering and strategic purchasing, and also includes a laboratory for research and development with some of the industry's most advanced equipment.

SUES is a general full-time university specializing in engineering science. SUES boasts 18 colleges and departments, 52 majors for undergraduate students and 15 majors for vocational and adult students. SUES actively strives to serve the local economic development, cooperating closely with the local government and industrial groups in Shanghai to combine learning with practice to produce highly qualified students with practical experience.

SUES offers many special fields of study for undergraduate students, such as fashion design & engineering, fashion CAD/CAM, textile engineering, fashion art designing, fashion performance and planning, fashion marketing, etc. Thousands of graduates from SUES have contributed to the apparel industry in Shanghai.

“For nearly 40 years we have worked side-by-side with thousands of manufacturers to help them become more productive and more profitable. By supplying the latest computer-aided design and manufacturing technology to SUES and other colleges and universities worldwide we help to ensure that the industry leaders of tomorrow have the knowledge and experience they need to succeed,” said James Arthurs, President-Asia Pacific, Gerber Scientific, Inc. “We are pleased that SUES is including our technology in their undergraduate program to foster the further use of computer-aided design in China.”

 [Click here to return to Contents](#)

Leading Knitting Machine Manufacturer Selects PLM Solutions from IBM and Dassault Systèmes

9 March 2006

IBM and Dassault Systèmes (DS) announced that Mayer & Cie., a manufacturer of circular knitting machines and a long-time customer, has selected CATIA V5 and SMARTEAM solutions for the virtual creation of a circular knitting machine that will enable the company to visualize the whole process chain, from design to manufacturing, in 3D.

Circular knitting machinery is a highly technical sector of the textile industry, supplying the huge T-shirt, underwear, hosiery and knitwear markets. After intensive comparisons, Mayer & Cie. will implement more than 40 CATIA V5 and SMARTEAM seats in its main factory and at its subsidiary Merz Maschinenfabrik, to manage the engineering data and make it easily accessible to all departments.

By using PLM, Mayer & Cie. aims to reduce product development time and, as a result, cut time-to-market dramatically. The new PLM solution will also transform the manufacturing process chain, where the company will make use of virtual data for all Numerical Control (NC) programming.

“We are convinced these PLM Solutions will bring improvements in our engineering of variants and in NC-programming,” said Marcus Mayer, Technical Director of Mayer & Cie. “This project will enable us to react more quickly and be flexible to our customers’ requirements, including making our offerings more customer-specific. With leading-edge technologies like the V5 PLM platform from DS, we can optimize the advantages of Germany as a future-oriented development and production location.”

Mayer & Cie. will implement IBM and Dassault Systèmes’ generative mechanical design solution (GMD) in its design process, improving design productivity and facilitating innovation with predefined computer models of toolsets, for product development as well as manufacturing resources. The GMD solution will integrate and define knowledge rules, reflecting design practices and past experiences, in the intelligent features of parts and assembly templates. The models automatically adapt to the requirements of a new product or its corresponding manufacturing processes, and dynamically evolve as those requirements change.

“Implementing the world-class PLM platform from DS will allow Mayer & Cie. to defend its leading position in its industry, where cost-cutting innovations are key to staying ahead of the competition,” said Martin Grunau, Director PLM Channel Development, Dassault Systèmes AG. “Mayer’s decision shows that PLM solutions bring an important competitive advantage to small- and medium-sized businesses, helping them face the challenges of constantly changing markets.”

Mayer & Cie. is supported by Transcat - PLM, IBM/DS’ business partner in Germany.

 [Click here to return to Contents](#)

Mathsoft Sells 5,000th Managed Installation Of Mathcad

2 March 2006

[Mathsoft® Engineering & Education, Inc.](#) has sold its 5,000th managed installation of Mathcad®. “Managed installation” refers to a team of users in industry, research or academia ranging from small workgroups to large engineering organizations with thousands of seats under management.

The 5,000-managed installation milestone caps a banner 2005 for Mathsoft marked by record license sales and growth. It reflects the emergence of Mathcad as an industry standard and the rapid adoption of Mathsoft’s calculation management strategy.

The ratio of managed installation revenue to individual user revenue has flipped in the five years since Mathsoft was created in a management-led buyout. Seventy-five percent of Mathcad revenue now comes from managed installations, and only 25 percent comes from individual licenses. It was the opposite at the time of the buyout.

The inversion reveals a heightened focus on calculation management among engineering organizations of every size. “Mathsoft’s vision is resonating because engineering calculations gain value with effective stewardship and reuse,” said David Scriptor, regional IT manager at global engineering design firm URS, the 5,000th Mathsoft software licensee. “Whether you’re using Mathcad in the workgroup or Mathsoft’s calculation management software across the enterprise, you’re reaping a significant return on your engineering data, methods and formulae.”

Helping shape the calculation management vision are organizations that signed major new deals with Mathsoft in 2005, including Airbus UK Ltd., BAE Systems MBDA, Bechtel SAIC, Continental Benelux SA, Goodrich Optical & Space Systems, Honeywell International, Nokia Corp., Lockheed Martin Space Systems Co., Los Alamos National Laboratory, Northrup Grumman Corp., Parsons Brinckerhoff, Polimeri Europa and Texas A&M University.

Leading software providers to the manufacturing industry have also joined the calculation management movement by extending the functionality of Mathcad. In 2005 and early 2006, Mathsoft signed partnerships with ANSYS Inc., Bentley Systems, ESRD, National Instruments, PTC, SolidWorks Corporation and StructureWorks LLC.

Meanwhile, escalating demand in 2005 prompted Mathsoft to begin direct sales in Europe and Asia. These efforts were supported by a new \$3 million follow-on investment from Edison Venture Fund.

“Five thousand managed installations is a significant milestone for our company and our customers, and we expect this trend to continue as many more engineering organizations in the world need the competitive advantage of better managing their calculations as a critical engineering asset,” said Mathsoft Chairman and CEO Chris Randles. “Our mission going forward is to continue investing in our products, partnerships and services to position the company for continued growth. And if demand is any indication, we expect to see the second 5,000 managed installations in a fraction of the time required for the first.”

 [Click here to return to Contents](#)

Maxwell Technologies Selects Ansoft's SIMPLORER as Preferred Platform for Ultracapacitor Component Model Library

7 March 2006

Maxwell Technologies Inc. and Ansoft Corporation announced that they will develop a model library of Maxwell Technologies' BOOSTCAP® ultracapacitor cells and multi-cell modules using the VHDL-AMS modeling language for use in Ansoft's SIMPLORER®. Maxwell Technologies selected SIMPLORER based on the strength of its VHDL-AMS simulation capabilities and on Ansoft's leading position and focus on providing high-performance, system-simulation solutions to the automotive, aerospace and industrial power markets.

"The library will contain a wide range of ultracapacitor cell and module products to ensure that our current and future customers will have the necessary elements to develop the next generation of energy-storage systems for automotive, industrial and other applications," said Dr. John M. Miller, Maxwell's vice president, advanced transportation applications. "We chose the SIMPLORER platform because it provides robust modeling capability, is widely used in our target markets and adheres to the VHDL-AMS modeling standard."

Ultracapacitors are ultra-high-capacity energy-storage devices that deliver bursts of high power and recharge rapidly from any energy source over hundreds of thousands of cycles. BOOSTCAP ultracapacitor products are the world's leading high-performance production ultracapacitors. Compared to batteries, BOOSTCAP cells deliver up to 10 times the power, last up to 10 times as long, operate more reliably in high- and low-temperature conditions, require far less maintenance and reduce environmental issues associated with battery disposal. Ultracapacitors produce cleaner and more fuel-efficient hybrid-electric/internal-combustion buses, trucks and automobiles. Ultracapacitor technology is ideal for powering initial acceleration, operating electrical subsystems and regenerative braking.

"Hybrid-electric vehicles and alternative-energy research and development are of great interest to our SIMPLORER customers," said Dr. Marius Rosu, Ansoft's group leader, SIMPLORER modeling.

"For researchers to have access to accurate VHDL-AMS models of ultracapacitors directly from Maxwell Technologies will make them more productive and speed the pace of their research."

VHDL-AMS is the IEEE-endorsed standard modeling language (standard 1076.1) created to provide a general-purpose, open language for analog-mixed-signal designs. Models that adhere to this standard are useable in all simulation tools that adhere to the VHDL-AMS standard.

About Maxwell Technologies

Maxwell is a developer and manufacturer of cost-effective energy-storage and power-delivery solutions. The company's BOOSTCAP® ultracapacitor cells and multi-cell modules and POWERCACHE® backup power systems provide safe and reliable power solutions for applications in consumer and industrial electronics, transportation and telecommunications. Maxwell's CONDIS® high-voltage grading and coupling capacitors help to ensure the safety and reliability of electric utility infrastructure and other applications involving transport, distribution and measurement of high-voltage electrical energy. Maxwell's radiation-mitigated microelectronic products include power modules, memory modules and single-board computers that incorporate powerful commercial silicon for superior performance and high reliability in aerospace applications. To learn more, visit <http://www.maxwell.com>.

 [Click here to return to Contents](#)

SmartOrg Case Study: Accelerating the Deployment of Technology in the Oil and Gas Sector

March 2006

In the oil and gas industry, it is common knowledge that heavy oil reserves are plentiful. However, extracting and processing the oil is a costly and risky business—it is difficult to extract and requires special processing to create a valuable end product.

Deploying technologies is key to reducing costs and increasing production. That's why one of the largest oil and gas companies in the world invests more than \$40M per year on an R&D portfolio of about 40 heavy oil projects, in all stages of development.

The Challenges

Like portfolio managers in all industries, the heavy oil portfolio manager faced pressures to get more return from his R&D investment—specifically improving the time it took to deliver technology. Click [here](#) to read more about the challenges, the solution and results obtained through using SmartOrg's portfolio and project value-based management system.

 [Click here to return to Contents](#)

Texas Giant Vistawall Group Contracts Avatech Solutions

7 March 2006

Avatech Solutions, Inc. announced its Manufacturing Solutions Group has won a significant contract with The Vistawall Group.

"Avatech's real-world technical expertise and ability to understand our business needs, made the decision to work with Avatech an easy one," said Milton Kelsey, Engineering Systems Manager at Vistawall. "Avatech's national support center and technical resources across the nation means we'll always have an answer to even our toughest questions."

"Business is booming for manufacturing companies like Vistawall who provide construction-related products following the global construction upswing," said Scott Hale, Manufacturing Solutions Group Manager at Avatech. "At the same time, design technologies that aid in the process of manufacturing and engineering are rapidly evolving, making it tough for companies to stay ahead of the curve. This is where Avatech focuses."

Avatech's Dallas team played the lead role in securing the contract to provide data management, custom application development, training and consulting for the Texas-based manufacturer, recognized worldwide for its innovative architectural products, including window systems, skylight systems, and translucent walls.

"Our capacity to produce innovative designs more efficiently depends directly on our ability to harness new design technologies--which is where Avatech comes in," said Kelsey. "We've made a lot of CNC shop floor investments over the last six years. Now it's time to get the design from engineering and into the shop at a pace that keeps up with the new manufacturing capacities."

The Autodesk Inventor based system gives Vistawall the ability to send 3D part drawings to the shop floor, providing production workers with a far superior visual description of what the part should look like when finished. In addition, designers can send model drawings to customers during the design approval stage, slashing the number of drawing iterations dramatically. "We gain the advantage of viewing complicated building junctions for proper fit and can solve interference problems without having to create an expensive physical model," said Kelsey.

"As a nationwide design automation and technology services provider, we've supplied solutions to the manufacturing sector in Texas for more than 15 years," said Avatech COO Scott Harris. "We continue to increase market share by providing top companies such as Vistawall with design solutions that make them more competitive."

About The Vistawall Group

The Vistawall Group includes Vistawall Architectural Products, Moduline Window Systems, Naturalite Skylight Systems, and Skywall Translucent Systems. The company operates facilities in 26 locations across the U.S., which includes two extrusion and finishing plants as well as six engineering facilities. The firm's work spans the globe. Major urban projects include NASCAR Technology Center, Seattle Convention Center, Patriots Stadium, American Airlines Center, Plaza 7000, Chicago Police Headquarters, NEC, Millenium I, and the Texas Motor Speedway. Visit <http://www.vistawall.com> for more information.

 [Click here to return to Contents](#)

Valor DFM Solution Brings Shorter Delivery Times and Increased Quality to Siemens Bocholt

7 March 2006

Valor Computerized Systems has completed a successful implementation of its DFM solution at Siemens Bocholt in Germany for effective costs management and a faster route to product. Based on the implementation of a successful SixSigma methodology, Siemens has established a stable process with increased reliability across its bare board and assembly manufacturing operations.

According to Mr. Elshorst, Project Manager Electronic Design at Siemens (Bocholt), there were many reasons for selecting the Valor DFM solution. “Valor provided us with extensive DFM analysis and checking capabilities that were not possible within the constraints of the PCB CAD systems. We also wanted to improve data management and bi-directional communication with our bare board manufacturer. By reducing set-up time and with better handling of manufacturing change orders we have achieved shorter delivery times, and reduced our manufacturing costs.”

The dynamics of manufacturing DECT products for the fast-paced consumer market means high volume, short lifecycle and high ramp-ups, with seasonal peaks. Siemens Bocholt has responded to this with a stable, continuous process delivering consistent quality based on the established SixSigma methodology and best-in-class DFM and assembly tools.

Mr. Elshorst went on to say: “The feedback, verification and control of the manufacturing information from the Valor DFM suite has certainly reduced errors and risks associated with high volumes of boards in our goal of first-time, right first time manufacturing. The impressive performance of the ODB++ format has also given us standardization with our suppliers and partners, through an optimized process.”

“Our experience shows that Valor is an open company with excellent customer support. We have a close partnership with Valor; they are able to embrace our new technologies and methodologies within the software, from an early stage,” Elshorst concluded.

“We see great value in our relationship with the Siemens Group”, said David Bengal, President of Valor Europe. “Both sides benefit from the synergy between Siemens’ drive for quality and Valor’s aspiration to excellence, and I strongly believe that this partnership will continue to be fruitful in the future”, he concluded.

The Valor DFM software, based on Enterprise 3000 is a unique, virtual manufacturing system that enables OEMs to simulate the entire production process, from design through manufacture to assembly, concurrently with the design process. Designs are optimized for excellence using a physical design model of the PCB assembly where revision spins are virtually eliminated, resulting in faster times to market and improved product quality.

About Siemens Home and Office Communication Devices

Siemens Home and Office Communication Devices GmbH & Co KG is a wholly owned subsidiary of the Siemens AG. The company focuses on the design, manufacturing and distribution of the full range of Siemens Gigaset products, including cordless phones, home media devices and broadband products and services which enable seamless, integrated communication solutions for operators and consumers. The company operates worldwide with a fiscal years' revenue stream (September 30, 2004) of approximately 1 billion euro.

 [Click here to return to Contents](#)

VISTAGY Renews Status as Official Supplier to World Champion Renault F1 Team; Team Engineers Purchase FiberSIM® Software to Explore Designs and Simulate Manufacture of Strong, Reliable Composite Parts for the Renault F1 Team Racecar

9 March 2006

VISTAGY, Inc., the developer of engineering software that provides specialized design functionality to commercial CAD/PDM/PLM systems, announced that the company has renewed its status as an official supplier of specialized engineering software to the World Champion Renault F1 Team in Enstone, England. The Renault F1 Team used VISTAGY's FiberSIM® software to design and manufacture composite parts for its R26 racecar, which the team launched in Monaco in January of 2006.

"The composite parts on our racecars must be strong, reliable, and built to strict Federation Internationale de l'Automobile standards," says Bob Bell, technical director for Renault F1 Team. "But we also have a grueling production schedule to meet. There is no margin for error and we have no time for rework and up-front physical prototyping. We've been working with FiberSIM for more than three years, and it has helped our engineers increase our rate of composite ply lay-up on some parts by over 62 percent. The software is an essential tool for efficiently and successfully producing our composite components."

"It has been an honor to sponsor Renault F1 Team for the past three years and especially during its championship season last year," says Steven C. Luby, president and CEO of VISTAGY. "We look forward to continuing our relationship with Renault F1 Team and providing specialized software that makes their engineers more efficient as they make another drive toward the winner's circle."

Strong, lightweight composites are ideal materials for Formula One racecar parts such as the chassis, nosebox, and front and rear wings. The complex curves characteristic of these parts can present some challenges during manufacturing. FiberSIM enables Renault F1 Team engineers to simulate composite designs and select a manufacturing strategy that is best suited for their specific application. The software enables the team to generate flat patterns of plies for cutting machines, create documentation, and export data to laser projection machines that guide manual lay-up.

About Renault F1 Team

July 2002 marked the 25th anniversary of Renault's competition in modern, top-level motor sport. In 2005, Renault F1 Team won the Federation Internationale de l'Automobile (FIA) Formula One Drivers' and Constructors' World Championships. The Renault F1 Team is a wholly-owned division of Renault S.A. headquartered in Paris, France.

About FiberSIM®

FiberSIM® is a suite of software that turns commercial CAD systems into tools specialized for designing and manufacturing composite parts. The software enables engineers to create a complete digital product definition of a composite part within their 3D modeling environment. FiberSIM supports the entire product development process as well as flexible design methodologies for a wide variety of materials and manufacturing methods. The software simulates how composite material deforms over complex curvature and generates manufacturing information including documentation, flat patterns, and data to drive downstream manufacturing equipment. FiberSIM also uses XML technology to share composites data with people and applications throughout the enterprise.

 [Click here to return to Contents](#)

Zuken Signs Long Term Contract with Lockheed Martin for ECAD PCB Design Solutions to Boost Their Product Development Environment (PDE)

7 March 2006

Zuken and Lockheed Martin have signed a long term contract for printed circuit board design/E-CAD (Electronic Computer Aided Design) tools. The signing of this contract comes just weeks after being selected as the Preferred Supplier for ECAD by the PCB Design Solutions Engineering Process Improvement (EPI) Program's Electrical Subcouncil, which represents all of Lockheed Martin's businesses.

Zuken's flagship scalable enterprise-wide PCB design solution, CR-5000, is at the core of the contract, along with Signal Integrity design tool suite, CR-5000 Lightning.

Gerhard Lipski, CEO of Zuken USA, Inc. and General Manager of Zuken Europe, comments: "Zuken has a vast amount of experience in providing solutions to organizations with multiple design and manufacturing sites that are at the cutting edge of the latest technology. We look forward to working in partnership with all five business sectors from Lockheed Martin."

For more information about Zuken and their products visit <http://www.zuken.com>.

About Lockheed Martin:

Headquartered in Bethesda, Md., Lockheed Martin employs about 135,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. The corporation reported 2005 sales of \$37.2 billion.

For more information on Lockheed Martin, visit: <http://www.lockheedmartin.com>.

 [Click here to return to Contents](#)

Product News

Artemis and MCR Performance Solutions, LLC, Partner to Drive Strategic Asset Optimization Solutions in Energy Sector

6 March 2006

Artemis International Solutions Corporation, provider of Strategic Asset Optimization solutions, and MCR Performance Solutions, LLC, an energy industry management consulting firm, announced a partnership designed to extend the companies' reach into the energy sector. Terms of the agreement were not disclosed.

"Combining the reach and experience of MCR with Artemis' technology expertise in delivering Strategic Asset Optimization solutions, delivers a significant and positive impact to the energy sector," said George Bayz, executive vice president and general manager of Artemis Americas. "This partnership with MCR allows us to be intimately involved from the ground up in designing Asset Management solutions to meet the very specific needs of an individual energy provider. Our goal is to deliver best of breed products in a timely manner and this allows us to do just that."

"MCR believes business process improvements are sustained through easy access to supporting data," said Frank Craig, co-founder and partner at MCR Performance Solutions. "Our consulting experience and depth in the energy market, combined with the asset optimization solutions from Artemis, will give our customers the competitive edge needed in a challenging market."

As an industry leader in Nuclear Asset Management processes, MCR has worked for over half of the nuclear facilities in the United States and Canada on projects ranging from business planning and competitive cost analysis to spending optimization, staffing alignment and daily work control.

"MCR's holistic approach emphasizes thorough due diligence in discovery of potential work across all aspects of an energy facility," said MCR vice president of Asset Management, Tim Schlimpert. "Our partnership with Artemis will enable our customers to create and maintain a comprehensive long range plan and continuously optimize it against reliability and financial objectives."

Artemis SAO Solutions

Managers in energy facilities continually struggle to maintain optimized long-range plans while complex and changing environments demand a simplified process to change priorities and plans to address shifting budgets, regulations and market conditions. Artemis' Strategic Asset Optimization solution allows customers to do just that – adopt best practices for strategic asset management, while increasing business efficiency and improving the business and engineering management of day-to-day operations and long-range risk management.

About MCR Performance Solutions

MCR Performance Solutions assists energy clients in transforming their management and operational performance by enabling significant leaps in performance through innovative and effective consulting solutions. MCR's solutions combine unique elements of strategic insight, organizational change, process improvement and information technology. For more information, visit <http://www.mcr-group.com>.

About Artemis International Solutions Corporation

Artemis International Solutions Corporation is one of the world's leading providers of investment planning and control solutions that help organizations execute strategy through effective portfolio and project management. Artemis has refined 30 years experience into a suite of solutions and packaged consulting services that address the specific needs of both industry and the public sector including, IT management, new product development, program management, fleet and asset management, outage management and detailed project management. With a global network covering 44 countries, Artemis is helping thousands of organizations to improve their business performance through better alignment of strategy, investment planning and project execution. For more information visit <http://www.aisc.com>.

 [Click here to return to Contents](#)

Camstar Announces Release of InSite v4.1

7 March 2006

Camstar announced the release of InSite v4.1, which expands upon the highly configurable and extendable manufacturing execution system (MES).

The new features - which enhance manufacturing control and further Camstar's rapid implementation methodology - include expanded 100% thin client factory modeling and shop floor transaction forms that can be configured to meet specific needs of each user, detailed operator procedures, advanced logic for non-conforming and reworked material, plus additional flexibility for integrating the InSite MES with enterprise resource planning (ERP) and product lifecycle management (PLM) applications.

"Camstar's applications are successful because users can configure their business rules without coding, reducing the implementation time and overall cost of ownership," said Scott Jones, Vice President of Development at Camstar. "For InSite v4.1, we furthered this tradition with new features that allow companies to even more easily adapt the application to their businesses, rather than the other way around."

InSite is deployed world-wide in complex manufacturing environments, and is known for its comprehensive and flexible work-in-process tracking and control, configurability, internationalization features, scalable architecture, and high performance in the most strenuous environments. It powers Camstar's industry-specific solutions for the Medical Device and Diagnostics, Semiconductor and other high-tech industries.

Camstar customers who wish to upgrade to InSite v4.1 should contact Customer Support at insitesupport@camstar.com.

 [Click here to return to Contents](#)

Capvidia Releases FormatWorks 2006 CATIA Enhancements

9 March 2006

Capvidia's new release supports all CATIA files up to revision 16. In addition, it also provides some new and powerful features. FormatWorks is the first and only Certified Gold Product for SolidWorks users who need to translate CATIA data correctly and reliably to and from SolidWorks.

New CATIA V5 Enhancements

In addition to supporting the latest version of CATIA, FormatWorks also has some new features specifically for translation of CATIA V5 data:

Preview – Open a CATIA V5 file and view the data and project tree before translation. Supports all functions of a 3D Viewer such as pan, zoom, and rotate.

Select - Select separate parts for translation directly from the project tree to be translated into SolidWorks. This allows you to manage large assemblies and provide efficient translation.

Translate – Selected parts are translated into SolidWorks with the automatic repair and healing technology from Capvidia to provide quality data to SolidWorks.

Feature Translation

FormatWorks2006 now provides support for automatic feature recognition for all formats. SolidWorks features such as holes, cuts, chamfers, fillets, extrusions, ribs are identified in the translation process. The imported models are easily editable in SolidWorks.

Improved Performance

The improved repair and healing process is now 30% faster compared with the previous versions. The BREP based translation provides the most reliable data exchange. Combined with the rich set of manual repair functions, FormatWorks2006 provides the most optimal data translation solution for SolidWorks users.

Batch translation

The batch translation module is offered as option for users requiring automatic translation of large data sets. The batch mode features control mechanism orchestrating the data translation process. All operations are automatically logged. In case of a crash the batch mode automatically restarts all processes including the SolidWorks. The problematic file causing the crash is flagged in the log file and the process

continues further without any user interaction. The batch mode provides an ideal solution for users translating large sets of native CATIA data.

Supported Formats

Data import formats: IGES, STEP, Parasolid, VDA-FS, STL, VRML, CATIA V4, CATIA V5, Pro/E, CADDs, and UGX.

Data export formats: IGES 6.0, STEP, CATIA V4, CATIA V5, ACIS, IGES with CAD system flavor (CATIA V4, CATIA V5, SolidEdge, SolidWorks, FEMAP), VRML, STL.

About Capvidia

Capvidia (<http://www.capvidia.com>) develops software for CAD data repair and offers data translation services. We repair models created in any CAD system and guarantee that the results will be compatible with CATIA V4, CATIA V5 and SolidWorks. Our service includes also feature-to-feature translation from a user defined CAD system to SolidWorks.



[Click here to return to Contents](#)

CCE Updates its CATIA V5 Interoperability Solutions to Support CATIA V5 R16

6 March 2006

CCE, a provider of CAD/CAM Engineering Services & Data Translation Products, announced that all of its CATIA V5 Interoperability Solutions have been updated to support CATIA V5 R16.

The updated products include:

- CAT5Ug - Bi-directional CATIA V5-Unigraphics Translator
- CAT5Works - Bi-directional CATIA V5-SolidWorks Translator
- MC/Cat5 - CATIA V5 to Mastercam Direct Translator
- PS/Cat5 - Bi-directional CATIA V5-Parasolid Translator
- STEP/Cat5 - CATIA V5 to STEP Translator
- IGES/Cat5 - CATIA V5 to IGES Translator

None of the products require CATIA V5 license or software to operate.

CCE offers a wide range of seamless conversion solutions between CATIA, Pro/ENGINEER, Unigraphics, SolidWorks, Solid Edge and Mastercam systems. Parasolid, IGES and STEP standards-based translators are also available.

[CCE](#) has a fully equipped service department to help clients translate complicated feature-based models with parametric history, bulk data conversions as well as 2D data that cannot be cost-effectively automated.

 [Click here to return to Contents](#)

Centric Software Introduces Collection Management Solution

7 March 2006

Centric Software announced a new solution for apparel and consumer goods manufacturers. Centric's Collection Management solution enables manufacturers to reduce new product development cycle time and deliver on tight deadlines by providing real-time visibility into key technical, product and scheduling information as well as financial data.

Separately today, Centric announced that Artsana, a global supplier of children's apparel, toys and family care products, based in Como, Italy, has successfully completed a pilot program utilizing this solution. Due to the success of the pilot, Artsana plans to deploy this and other Centric Software solutions across all worldwide operations and brands.

"As the successful Artsana pilot demonstrates, Centric has developed a very compelling solution that addresses the most urgent needs of apparel and consumer goods manufacturers," said Chris Groves, chief executive officer at Centric Software. "Centric's Collection Management solution derives intelligence from existing, scattered repositories of data, delivering additional, real value from existing repositories of information while accelerating business processes."

Centric's Collection Management solution intelligently captures and presents through user-defined dashboards the key performance indicators on the development and launch of the many thousands of items in a season, product line or collection. By automatically gathering and maintaining live links to data from multiple systems such as design, material management, forecasting and sales systems, Centric's Collection Management solution rolls-up information from individual products to product families to entire company collections, providing complete visibility into design, planning, sourcing, development and sales schedules and activities.

This automated multi-level visibility into the status of every task enables apparel and consumer goods manufacturers to rapidly make informed decisions on individual items, execute against targets and assess overall success of each item against plan. The automation of data collection reduces cycle times and provides the product intelligence needed to select new products that will promote brand loyalty and maximize revenue.

Collect information from multiple, disparate source systems

Centric's Collection Management solution gathers and combines critical product and business data from source systems, to provide executives and product teams with multi-level visibility into collection status. The solution provides:

- Information roll-up to multiple levels with visibility based on role
- Drill down to root causes for problem solving

Make decisions on potential issues as they arise

Centric's Collection Management solution provides immediate identification and actionable intelligence on potential issues that could cause delays, enabling manufacturers to manage growing product volumes and tight deadlines. The solution provides:

- Insight into which products are on target and which are at risk
- Different views of key performance indicators for different teams

Execute with improved communications and coordination between distributed teams

Centric's Collection Management solution eases the communication challenges that arise with large distributed, cross-functional teams by providing:

- Collection item creation for seasons, down to styles, with technical information
- Drill down functionally to find details, including comments, notes and dates
- associated with each item and activity
- Secure, role-based access to all collection metrics
- Detailed schedules for each collection item with associated task descriptions and their planned start dates, end dates and real/actual dates

Assess collection performance

Executives see live, critical information presented in combinations and formats that generate the greatest meaning to make informed decisions. Centric's Collection Management solution provides:

- Collection performance monitoring that presents the key information necessary to kill products early and promote with confidence those products and product lines most likely to provide the highest value

- Rolled-up metrics that are calculated at each level to automatically measure status and completion

 [Click here to return to Contents](#)

Cimatron Releases New 5-Axis NC Package

8 March 2006

Cimatron Limited announced the availability of a new powerful 5-Axis NC package for production of complex parts. The new 5-Axis Production package is designed to machine parts in demanding industries, such as aerospace, defense, and heavy machinery.

5-axis machining allows for the accurate production of complex shapes, and is used in advanced manufacturing fields for the production of impellers and turbine blades, ports and inlets, cutting tools, rubber molds, patterns and models.

Now, Cimatron's dedicated software for 5-Axis Production gives experts productive tools they need to create highly-efficient, gouge-free toolpaths that produce complex parts with high surface quality. It enables 5-Axis NC manufacturers to gain greater efficiency and achieve shorter delivery time.

CimatronE 5-Axis Production contains a rich set of 5-axis roughing and finishing strategies, complete with tool and holder collision check. Powerful material removal and machine simulation complete the package.

"We are very excited to introduce the new CimatronE 5-Axis Production product" said Danny Haran, Cimatron's president and CEO. "It complements our family of high-end 3-axis and 5-axis NC products, and will allow Cimatron to offer a best-of-breed solution to a wide range of NC specialists. It demonstrates our commitment to the NC market, with a full suite of solutions for tool makers and discrete production manufacturers."

Mr. Loris Pilani, technical manager at manufacturer CAM Srl, Bologna, Italy, said: "With the new 5-Axis Production, we can handle every kind of geometry with optimized machining strategies. The flexibility and power of this new tool allow us to quickly produce the most complex toolpaths while improving our productivity".

 [Click here to return to Contents](#)

Cimmetry Releases Autovue™ for Solaris™

7 March 2006

Cimmetry Systems Corporation, an Agile Software Corporation company, announced the immediate availability of AutoVue 19 for versions 8 and 9 of Sun Solaris servers.

Cimmetry continues its commitment to the Sun Solaris platform, offering superior scalability for enterprise-wide document collaboration. With frequent service pack releases for the Solaris platform AutoVue customers subscribing to our Maintenance and Support Program are eligible to receive regular access to the latest visualization technology, functionality and format support offered by Cimmetry Systems. Customers with active Maintenance and Support subscriptions also receive exclusive access to technical support, product updates, and tips & techniques.

For more information, contact Cimmetry sales at sales@cimmetry.com (+1-514-735-3219) or visit <http://www.cimmetry.com>.

For details about our Maintenance and Support Program visit: <http://www.cimmetry.com/support.html>.

 [Click here to return to Contents](#)

CoWare's Latest Software Release Aligns Strategic Technologies into Cohesive, Platform-Driven ESL Design Environment

6 March 2006

CoWare® Inc. has aligned the strategic technologies it has developed and acquired into a new set of solutions for platform-driven ESL design. Platform-driven design is the major design trend in the electronics industry as system-on-chip (SoC) developers shift focus from individual products to product platforms that define a basic architecture used to derive multiple products over a period of time. With its native backbone of SystemC technology, CoWare has aligned its three product families into one product line that enables three key solutions for collaborative platform driven ESL design: SoC platform capture and architecture exploration, custom processor design, and algorithm design.

"Since its inception, CoWare has been leading the way to ESL design. A sequence of strategic technology acquisitions, the pioneering work in the definition of the industry-standard SystemC modeling language, and the integration of all these technologies has produced the industry's most comprehensive solution for platform-driven ESL design," said Alan Naumann, CoWare CEO. "CoWare customers are embracing the platform-driven ESL design approach because of the economic and business value it delivers and the impressive results they achieve."

"Our Elemental Computing product consists of a unique set of processing elements, and a sophisticated interconnect capable of executing complex signal processing and general purpose applications," stated Jaime Cummins, CEO, ElementCXI. "CoWare is leading the way with the critical set of ESL technologies and the vision to integrate them in a meaningful way for our product platform development. We look forward to rapidly deploying this solution to embedded application developers in the multimedia and automotive markets that we will serve with our first silicon."

The Need for Product Platforms

Multimedia convergence, especially in the consumer electronics markets, drives the need for increasingly complex product architectures. The ability to record and play back multiple video streams, high-quality

audio, high-speed wireless communications, and a multitude of other applications drives the need for complex SoC designs with multiple busses, multiple processors, and a variety of complex peripherals. At the same time the software content of such devices has been growing exponentially.

Semiconductor companies are being forced to change their product development strategies to successfully address the increasing market demands. Their focus has shifted from individual products to product platforms. A product platform defines a basic architecture that is used to derive multiple products over a period of time. A cell phone product platform, for example, may be under development for two to three years, and, once completed, it can be used to derive as many as 50 different products (cell phones) per year for yet another three or more years.

Platform-Driven ESL Design

The design of product platforms poses a new set of requirements on the design tools and methodologies being used. The traditional electronic design automation (EDA) design flow, from RTL to GDSII, is no longer sufficient to capture the platform architecture, explore and evaluate alternatives, and eventually help optimize it. The platform architecture must be captured at a higher level of abstraction -- processors, buses, and peripherals need to be modeled in a manner that allows the execution of real software applications on the platform model so the architecture can be properly evaluated and explored. And, because platform-driven ESL design does this so well, this methodology is being adopted by many systems and semiconductor companies today.

CoWare Product Offerings for Platform-Driven ESL Design

CoWare technologies have been offering solutions to a number of design challenges, such as creating custom processors and processor models with LISATek™; defining and evaluating digital signal processing algorithms with SPW; and modeling complex logic functions such as bus architectures and peripheral IP blocks using ConvergenSC®. The combination of these technologies enables a new level of design aimed at the capture, evaluation, and optimization of the entire product platform.

"Instead of choosing individual tools and technologies, our customers have been increasingly viewing CoWare as their primary ESL design solution vendor," said AK Kalekos, vice-president marketing and business development, CoWare. "In recognition of the trend to make a 'CoWare decision' for ESL design solutions, we have initiated a renaming of our individual product lines to reflect their use in a consistent and collaborative 'Platform-Driven ESL Design' environment."

- CoWare Platform Architect (formerly ConvergenSC Platform Architect): Is the SystemC-based graphical environment for capturing the entire product platform and the dashboard for initiating the platform analysis functions.
- CoWare Model Designer (formerly ConvergenSC Model Designer): Is the SystemC-based modeling and simulation environment for capturing complex IP blocks and verifying them.
- CoWare Model Library (formerly ConvergenSC Model Library): Provides an extensive library of processor, bus and peripheral models that are commonly used in product platforms.

- CoWare Processor Designer (formerly LISATek Processor Designer): Enables the creation of custom processors or programmable hardware accelerators and their models so they can be incorporated into product platforms.
- CoWare Signal Processing Designer (formerly SPW): Enables the design and analysis of complex signal processing algorithms and exports these algorithm implementations as blocks that can be incorporated in product platforms. (See related announcement at <http://www.CoWare.com/news/>)

Availability

CoWare's platform-driven ESL design solutions are available today. For additional information about specific products, visit <http://www.CoWare.com>. For pricing information, contact the local CoWare sales representative.

 [Click here to return to Contents](#)

Cyco Software Introduces Cyco AutoManager Meridian for PDMWorks

8 March 2006

Cyco Software, a leading global software company offering Engineering Data Management (EDM) solutions, announced the availability of the Cyco AutoManager Meridian Enterprise Connector for SolidWorks® PDMWorks®. Cyco's Enterprise Connector integrates with corporate IT systems to instantly connect engineering groups using PDMWorks to the entire organization. As a result, users throughout the enterprise as well as outside contractors have secure, immediate and automated access to all engineering-related data. By sharing engineering information across the enterprise, the Cyco AutoManager Meridian Enterprise Connector enhances, automates and streamlines the ECO process among sales, engineering, logistics, purchasing and production departments.

Taking EDM to the Enterprise

Cyco AutoManager Meridian's integration with PDMWorks provides swift access to technical documentation during the entire product lifecycle. Benefits of the Cyco AutoManager Meridian Enterprise Connector for SolidWorks PDMWorks users include:

- Integration with other popular enterprise automation systems to share engineering data with the rest of the organization.
- Scalable database backend that facilitates the control of documents through a customizable workflow process that enables review and approval cycles throughout the entire organization.
- Support for multiple CAD systems, such as SolidWorks, AutoCAD,
- Inventor, and MicroStation.

- Web clients and desktop access for secure, enterprise-wide
- availability and data exchange with outside contractors.
- Fast to deploy and easy to use.

"Our mission is to provide organizations with a powerful and secure data management solution to take engineering information to the enterprise," explains Martijn Janmaat, Cyco Software CEO. "We acknowledge there is a huge demand in the marketplace for an affordable software product that extends the capabilities of PDMWorks to the enterprise. With Cyco AutoManager, companies can efficiently manage their SolidWorks product data and exchange this information with other departments in their company regardless of location."

"With Cyco AutoManager, PDMWorks users not only have superb integration with SolidWorks, but also a powerful new capability to manage engineering documents across the enterprise including workflow and security settings," says Brian Houle, Solution Partner Program manager for SolidWorks. "Through this innovative technology, Cyco Software provides our customers with more powerful, enterprise-wide EDM solutions."

Availability & Pricing

The Cyco AutoManager Meridian Enterprise Connector is available for implementation now through a network of Solution Partners. Pricing details can be obtained by calling Cyco Software directly at (800) 323-2926 (ext. 111) or +31 70 413 3700 (EMEA, Asia/Pacific).

 [Click here to return to Contents](#)

Fluent and DEM Solutions Announce Partnership to Deliver Integrated CFD with Discrete Element Modeling Capabilities

7 March 2006

Fluent Inc. confirms it has entered into a partnership with DEM Solutions, a developer of DEM (Discrete Element Method) software solutions. The move follows the announcement earlier this year that Fluent Asia Pacific in Japan, the wholly owned subsidiary of Fluent Inc, is delivering DEM Solutions' EDEM software to the Japanese market.

The result of 10 years R&D, DEM Solutions' EDEM software enables engineers across a broad spectrum of industries - chemical, pharmaceutical, materials processing, mining, agriculture - to simulate and analyze the behavior of particulate matter (pills, pellets, aggregates etc.) during processing, manufacturing and material handling operations. DEM Solutions estimate that the market for discrete element modeling software will grow to be a US\$75 million sector worldwide over the next five years.

Already DEM Solutions' EDEM software is being applied by blue chip customers across the pharmaceutical, chemical, mining, agriculture, and geo-technical engineering industries. Typical issues in particulate process operations that the software is being used to address include bulk handling with conveyors, chutes and hoppers; particle grinding; agglomeration; mixing; equipment surface damage; excavation; filling and packing.

John Favier, CEO of DEM Solutions, notes, "We are delighted to be formalizing the relationship with Fluent into a development partnership. We believe there are significant synergies between the solutions provided by our two companies and that by working together we will be able to rapidly develop commercial products that will deliver new and unique capabilities into the CAE market."

Ahmad Haidari, Process Industry Market Director at Fluent Inc., added, "In our continued commitment to deliver high-end functionality and advanced solutions to the marketplace, we are pleased to be entering in a development partnership with DEM Solutions so as to complement Fluent's multiphase models with Discrete Element Modeling capabilities. We will support DEM Solutions' effort to further integrate EDEM with the FLUENT CFD code to allow engineers to simulate and analyze interactions between particles and fluid flow thus accounting for greater details of particle mechanics."

DEM Solutions is the global leader in discrete element modeling software. Its EDEM software is used for simulation, analysis and visualization of particulate flows and provides high-resolution information on particle kinematics, momentum, heat and mass transfer. EDEM is deployed in a wide range of process industries as well as mining, agriculture and geo-technical engineering. DEM Solutions' consultancy team, which has over 10 years' experience in particle flow simulation, works with customers to solve design and production problems by simulating and analyzing the processes at the particle scale. DEM Solutions' corporate headquarters are located in Edinburgh, UK, with offices in the USA. For more information: <http://www.dem-solutions.com>.

 [Click here to return to Contents](#)

Innovative Integration between AspenTech and Microsoft Applications Extends the Value of Simulation Technology

7 March 2006

Aspen Technology, Inc. announced the availability of an innovative application that enables customers to significantly increase the value of their investment in simulation technologies. Aspen Simulation Workbook provides integration between AspenTech's process simulation applications - such as Aspen Plus® and Aspen HYSYS® - and Microsoft Excel, with no programming expertise required. The integration creates new opportunities for companies to use process models for operational decision making and to streamline their conceptual design workflows.

To allow customers to experience the capabilities provided by Aspen Simulation Workbook, AspenTech is currently running a free web-based trial program. Further details about the program can be found at <http://www.aspentech.com/sws>.

Aspen Plus and Aspen HYSYS, along with Excel, are the most commonly used tools in process engineering, both for supporting plant operations and in process design. Integrating AspenTech's

simulators with Excel opens up a new range of possibilities for users who are not experts in simulation to make use of process models in plant operations and increase the quality and speed of conceptual design work. Aspen Simulation Workbook is built on the Aspen Open Simulation Environment (OSE)[™] that is the integration environment that allows users to share the same internal and third-party engineering and operations models.

Some of the key capabilities made possible by Aspen Simulation Workbook include:

- solving plant operating problems by creating simple Excel-based user interfaces to rigorous simulation models
- reducing the effort to maintain and validate plant process models by making it easy to input real plant data
- automating data transfer between simulation applications and Excel-based engineering tools, such as costing or equipment design programs.

The value delivered by Aspen Simulation Workbook has already been recognized by a number of leading companies. ABB Engineering Services, which provides simulation, energy, environmental and safety consultancy services to the process industries, has selected the product to improve the execution of simulation projects that require the use of multiple applications, including AspenTech's simulation products and other design tools.

"Aspen Simulation Workbook has enabled us to integrate Aspen Plus and Aspen FIHR[™] with a third-party design program without the need to develop custom software," said John Martin, Senior Process Consultant, ABB Engineering Services. "The project requires data to be repeatedly transferred between the three applications. Aspen Simulation Workbook allows us to connect them together with a simple, off-the-shelf solution that is easy to use and maintain."

"Our major customers already garner tremendous value from our process simulation applications," said Blair Wheeler, Senior Vice President, AspenTech. "Aspen Simulation Workbook enables those customers to extend that value, and to make it accessible to a broader range of non-expert users. This creates significant new potential to use process models as part of day-to-day operational decision-making, as well as increasing efficiency and productivity during conceptual design."

About ABB

ABB Engineering Services is based at Daresbury, Warrington, UK and is part of the ABB Group, a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 104,000 people. ABB Engineering Services is a leading provider of simulation, energy, environmental and safety consultancy services to the process industries. For more information, visit <http://www.abb.com/service>.

 [Click here to return to Contents](#)

- RIBA can be found at 66 Portland Place, London W1B 1AD.
- Event takes place Monday 27th March.
- Our Event opens for registration and refreshments at 10.30 and presentations start at 11.00.
- Lunch will be 13.00 to 14.00
- The event will close around 15.30 after an opportunity to see a demonstration of the new advanced features of JetStream v5 Presenter.

[Register](#) to join us and get more information.

 [Click here to return to Contents](#)

MatrixOne Delivers New Methodology Kit For Collaborative Digital Semiconductor Design

7 March 2006

MatrixOne, Inc. announced a new methodology kit that simplifies collaborative development of complex digital semiconductor designs. SITaR - which stands for Submit, Integrate, Test and Release - intuitively guides distributed project teams through the steps that are required to easily partition large scale designs into modular components that can be concurrently developed and then integrated, tested and released. It can significantly reduce the cycle time, errors and costs that are often associated with complex digital designs.

This methodology enables semiconductor design teams to manage their entire project including front-end design components such as RTL and software modules, back-end layout components, test harnesses, documentation and other design deliverables in a single configuration management environment. It enables each component to be independently designed and developed while the chip integrator assembles the design for test and release. It allows each team member to maintain versions of their work, track issues and report status.

The MatrixOne SITaR Methodology Kit is an add-on component for the MatrixOne Synchronicity Developer Suite®. Many semiconductor design organizations are adopting a block-based design methodology to improve productivity and quality, however the EDA design tools they utilize often do not easily support such an approach. SITaR simplifies the process by building easy-to-use functionality directly into Developer Suite, allowing hardware or software blocks to be integrated, tested and approved in a flow that is intended to save time and reduces errors.

"SITaR crystallizes years of experience working with our leading-edge electronics customers to define world-class business processes for hardware/software co-development," said John Fleming, senior vice president, Industry Products and Solutions. "A highly repeatable and scalable methodology is critical to achieving the schedule compression required to gain a competitive advantage in today's fast-paced electronics market."

Developer Suite bundles together MatrixOne Synchronicity ProjectSync®, a solution which raises design predictability with multi-site project and issue tracking and communications with MatrixOne Synchronicity DesignSync®, a solution which boosts productivity by making design data available to the entire project team in a safe and managed manner, no matter where they are located. The optional Hierarchical Configuration Manager provides the industry's only true block-based data management capability enabling hierarchical system-on-chip (SoC) design and reuse.

 [Click here to return to Contents](#)

Mentor Graphics Unveils New Calibre Litho-Friendly Design Product, Bringing Process Variability Data into the Design Flow

6 March 2006

Mentor Graphics Corporation announced availability of the Calibre® LFD™ (Litho-Friendly Design) product, signaling a major rethinking of the IC design creation flow, and expanding the design for manufacturing (DFM) solutions from Mentor. Calibre LFD is the first, production proven, electronic design automation (EDA) tool to address the urgent issue of how to manage process variability in the early stages of design creation. The announcement was made at the Design, Automation and Test Conference in Europe being held here this week.

Calibre LFD enables designers to make trade-off decisions on how to create a design that is more robust and less sensitive to the lithographic process window. This is important at the 90 nanometer technology node, and crucial at the 65 nanometer node, where process variations can greatly influence silicon results.

"The ability to deliver high yielding designs is critical in nanometer technology," said Luigi Capodiceci, principal member of technical staff at Advanced Micro Devices. "By adding Calibre LFD to our existing flow, we can make layout modification trade-offs at the earliest stages of design creation, and dramatically improve layout robustness across the process window."

An LFD kit is provided to the designer by foundries and fabs, much in the same manner as a design rule checking (DRC) kit. The kit includes energy, dose and mask bias considerations, RET recipes, process models, and the parameterizable rules to be checked, all presented in a common results database. The designer can run simulations to see how a layout will print under a particular lithographic process window. The goal is to drive the design to an "LFD clean" as well as a "DRC clean" sign-off.

Calibre LFD also calculates a Design Variability Index, or DVI™, as a way to measure how resilient the design is to process variations; a lower DVI value represents a more resilient design. The DVI is used to compare different layout implementations and help designers select the one with the least sensitivity to variation.

Calibre LFD is built on the production-proven Calibre design-to-silicon platform, and can be easily launched within popular layout environments through Calibre Interactive™. Calibre LFD plugs into a design flow much like an iterative design step, using the same layout editor used for the initial design. Designers can use a layout viewer/editor and a results viewing environment, such as Calibre RVE™ or Calibre DESIGNrev™, to view the check results and variability databases.

Capturing process variability to improve layout robustness is a major new step in DFM. With Calibre LFD, a foundation is being established for managing the impact of yield inhibitors with each new process node.

"In the past, it has been the responsibility of the foundry to ensure printability," said Joe Sawicki, vice president and general manager for the design-to-silicon division at Mentor Graphics. "Now for the first time, with Calibre LFD, designers can have a big impact on how well designs yield through the variances of the process window."

Pricing and Availability

Calibre LFD is available immediately. Pricing starts at \$246K (one year term license). More information is available at www.mentor.com or by calling 800-547-3000.

 [Click here to return to Contents](#)

New Cadence "Knowledge System" Speeds Adoption and Customization of Incisive Plan-to-Closure Methodology

7 March 2006

Cadence Design Systems, Inc. introduced a Web-based system that enables verification engineers to assemble and deploy the resources they need to speed adoption and customization of the Incisive® Plan-to-Closure Methodology. The new Incisive Plan-to-Closure Knowledge System is an industry first for methodology delivery, going well beyond manuals and libraries to enable widespread sharing of methodology resources, including those provided by Cadence, internal users and an external community. The system supports both design and multi-specialist enterprise teams, low-risk adoption and application of SystemVerilog, VHDL, SystemC and e languages, and processes spanning planning and transaction-level verification, assertion and coverage-driven verification, and system-level verification.

The three Web components that constitute the knowledge system -- Incisive Plan-to-Closure, My Plan-to-Closure and Community Plan-to-Closure -- enable engineers to speed adoption of industry best practices that automate the verification process and reduce adoption risks. Because it is Web based, the knowledge system is a "living" resource that will be updated regularly to incorporate the latest advances in technologies and methodologies from either Cadence or other sources.

"Verilab has used Cadence verification methodology in solving many of our clients' most complex verification challenges," said Jason Sprott, vice president, Consulting, at Verilab. "We see the Plan-to-Closure Knowledge System as a powerful component in Verilab's arsenal, helping us improve the ability

of our clients' verification and design teams to share, adopt, integrate, and scale in a consistent and efficient manner."

The new system is composed of:

- Incisive Plan-to-Closure -- Web space where engineers can pull from a robust set of Cadence resources that span verification planning to verification.
- My Plan-to-Closure -- a secure Web space where engineers and their teams can assemble a customized set of methodology resources -- including those from Cadence, from their internal groups, or from third parties.
- Community Plan-to-Closure -- a virtual forum, monitored by Cadence experts, where engineers can seek advice and share ideas and additional methodology resources that help automate the verification process.

"This is exactly the type of innovative solution that we have been looking for," said Paolo Orsatti, director of VLSI design at Nemerix. "This knowledge system will help our design and multi-specialists teams bring together in one place the key resources they need to effectively implement the Incisive Plan-to-Closure Methodology. We believe this will really simplify the process, and lead to greater productivity, predictability and quality across the entire enterprise."

The Incisive Plan-to-Closure Methodology is a mixed-language methodology that spans verification planning to closure. For design teams, the SystemVerilog-based methodology supports planning and management, assertion-based verification, testbench creation, and acceleration. For enterprise multi-specialist teams, it additionally supports advanced coverage-driven verification, and full system-level verification, including hardware-software co-verification, SystemC transaction-level modeling, transaction-based acceleration and in-circuit emulation.

In addition to the knowledge system, Cadence continues to offer personalized training and support to aid the implementation of the Incisive Plan-to-Closure Methodology.

"Our customers' challenges are complex, and they are looking beyond point tools to ensure successful verification -- and successful silicon," said Steve Glaser, vice president of marketing for Cadence's Verification Division. "With our new knowledge system, we are providing our customers proven plan-to-closure methodology and, importantly, packaging and delivering it in an innovative way that best ensures early success for their chip or system across the enterprise."

The new knowledge system is available to customers of the Cadence Incisive Design Team and Enterprise families. Incisive Plan-to-Closure and Community Plan-to-Closure are available now; My Plan-to-Closure is slated to be available in June.

 [Click here to return to Contents](#)

OSIsoft Announces RtMessenger

6 March 2006

OSIsoft announced its RtMessenger Web part – a component of OSIsoft’s RtWebParts product. RtMessenger represents a breakthrough messaging and collaboration platform tool based on Microsoft® SharePoint® Portal Server and Live Communication Server. RtMessenger links information worker roles and responsibilities to plant assets and allows users to see who is online and can help diagnose or remedy issues as they arise. When coupled with notifications, a user is able to drill straight into the asset display that gives them the information they need to start taking action or the ability to contact someone who can.

In a refining operation, for example, several people are designated as “experts” in a given operational discipline. If an anomaly occurs in one of the units, a designated set of role-based contacts are alerted via OSIsoft’s alerting subsystem. When the recipient clicks on the URL sent in the alert, they can see process data in the resulting Web page as well as RtMessenger, which allows the user to contact an available expert in order to assess and remedy the situation. There is no such thing as “working from home” at a refinery, but there are plenty of opportunities to involve off-site expertise, for example, at a central engineering facility that troubleshoots problems remotely. RtMessenger can tell a user if a relevant expert is busy, available, or away from their desk, based on their Live Communication Server status.

“OSIsoft has always believed that context is critical and delivers enormous value in managing and analyzing data across assets,” said Gregg Le Blanc, director of Product and Industry Marketing for OSIsoft. “As the corporate dynamic changes, improving operational efficiency using role-based context will become an essential component in managing mergers and acquisitions, company wide KPIs and even how remote workers communicate. As a long-time Microsoft partner, OSIsoft recognized the potential for how SharePoint’s collaboration capabilities could dramatically change the communication landscape.”

The RtMessenger Web part is a new addition to OSIsoft’s upcoming RtWebParts product release. RtWebParts constitute the SharePoint Portal Server thin client components in the RtPortal family. The RtPortal family contains configurable, role-based thin and smart client tools used to display critical operational metrics that help span application, platform, and organizational boundaries to drive operational efficiency by providing comprehensive visibility into key performance metrics. With the RtPortal family of products, companies can automate, manage and monitor processes from end to end in real-time, providing an organizational framework from which to interact and collaborate effectively.

RtPortal extends the existing portal environments from Microsoft and SAP with pre-packaged SharePoint Web Parts (called RtWebParts) or certified iViews (called RtPM Business Package for SAP Enterprise Portal) so users can build personalized pages in either Microsoft SharePoint or SAP Enterprise Portal environments. This enables enterprises to easily monitor and manage real-time operations data and ERP software transactions so corporate initiatives such as condition-based maintenance, quality analysis, real-time production costing and event management can be realized more quickly.

About OSIsoft

OSIsoft delivers performance management software to the world's leading process manufacturing, life sciences, and utility companies. With more than 10,000 installations worldwide, OSIsoft's real-time data platform crosses IT and process boundaries to incorporate and display operational information. Providing comprehensive visibility into operations, the OSIsoft platform unlocks the potential for timely analysis and the ability to make critical, informed and profitable decisions.

 [Click here to return to Contents](#)

PTC Announces Pro/ENGINEER® Wildfire™ 3.0

7 March 2006

PTC announced the availability of Pro/ENGINEER Wildfire 3.0, a major release of its MCAD/CAM/CAE software and an integral component of PTC's Product Development System. Pro/ENGINEER Wildfire 3.0 helps users get their jobs done faster and easier, with best practices in mind. Additionally, PTC is delivering the highest-quality new release of Pro/ENGINEER in the company's history.

Today's increasingly complex product development environment requires that engineers shorten time-to-market by compressing development cycles without compromising results. To successfully meet these challenges engineers are seeking solutions that enable them to increase their personal productivity and the efficiency of the processes they employ throughout the product development cycle. Pro/ENGINEER Wildfire 3.0 focuses on solving these specific challenges.

Highlights of the new release targeted at improving personal productivity include:

- **Fast Sketcher**--a reduction in the number of menu picks required to use and exit the sketch environment improves performance with large sketches up to 80%.
- **Fast Assembly**--the modernized user interface and optimized assembly workflow dramatically increase the speed of assembly, up to five times faster, while new support for Windows® XP 64-bit systems enables retrieval of very large assemblies.
- **Fast Drawings**--the ability to add shaded views to traditional 2D drawings helps clarify design concepts faster and removes ambiguity. Improvements in the drawing environment will yield an increase in productivity benefits up to 63%.
- **Fast Sheetmetal**--the capability to interpret design intent enables the creation of sheetmetal features up to 90% faster, while also reducing the number of features by up to 90%.
- **Fast CAM**--enhancements to the manufacturing user interface speed the creation of manufacturing geometry by up to three times.

CIMdata PLM Industry Summary

"The new sketcher palette in Pro/ENGINEER Wildfire 3.0 is a welcome addition to the product!" said Mike Brattoli, engineering systems administrator, Moen. "The palette also provides an easily accessible central location to save our sections. This will shorten up our design time considerably."

Process productivity is the second area targeted for improvement with Pro/ENGINEER Wildfire 3.0. Key features include:

- **Smart Process Wizard**--the inclusion of a new, customizable Process Wizard allows companies to capture expert knowledge and leverage their best practices and recommended approaches for different processes.
- **Smart Model**--the ability to embed manufacturing process information into the model makes it easier to design for manufacturability and helps promote best practices.
- **Smart Sharing** - the introduction of portable workspaces that track all changed, new and unchanged files facilitates offline access to CAD data and helps improve collaboration with external parties.
- **Smart Interoperability** with Windchill® and Pro/INTRALINK® - automated reporting of bulk items, item check-out on-the-fly only when changes are made, and the addition of a status column in the model tree to report the database status of an item provide a streamlined process for accessing information.

"The Process Wizard in Pro/ENGINEER Wildfire 3.0 is going to be extremely useful in our environment," said Vaughn McDaniel, mechanical engineer, JR Automation. "We have a couple of FEA experts who use the application regularly, but the majority of the engineers don't use it that often so they always need to refresh themselves on exactly what needs to be done. With the wizard, you have that refresher at your fingertips, so any engineer can just jump in and start with the analysis."

"Our customers need solutions that enable them to optimize their product development processes and get their products to market faster and at lower costs," said Mike Campbell, vice president product management, PTC. "Pro/ENGINEER Wildfire 3.0 delivers capabilities that remove impediments to personal and process efficiency during product development. "

"Pro/ENGINEER Wildfire 3.0 represents a tremendous investment by PTC. We are very pleased with the results and the customer feedback we have received," said James E. Heppelmann, executive vice president, software products, and chief product officer, PTC. "Also, we've reaffirmed PTC's commitment to quality, ensuring that Pro/ENGINEER Wildfire 3.0 delivers the highest quality of any new Pro/ENGINEER release."

Pro/ENGINEER Wildfire 3.0 Upgrades and Product Availability

Pro/ENGINEER Wildfire 3.0 will be available later this month. Active Pro/ENGINEER customers will automatically receive this new release free of charge under their current maintenance coverage. For more

information on Pro/ENGINEER Wildfire 3.0, please visit the Pro/ENGINEER product pages at <http://www.ptc.com>.

 [Click here to return to Contents](#)

Styled Plastic & Packaging Solution from IBM and Dassault Systèmes Will Accelerate the Creation, Design and Marketing of Consumer Goods

7 March 2006

IBM and Dassault Systèmes (DS) announced Styled Plastic and Packaging (SP&P), a new complete, integrated solution enabling Consumer Goods businesses to launch more new products, in less time. Manufacturers can reduce the time spent developing their products, bringing them more quickly to market, and thereby increasing customer satisfaction and potentially capturing new market opportunities for sustainable growth.

Manufacturers of styled products face growing pressure to differentiate their products and increase their responsiveness to global market pressures. Development processes are often disjointed, inefficient and complex, resulting in an inability to deliver the right products on time, and potential loss of revenue and market share. By increasing responsiveness with SP&P, companies can boost customer satisfaction and create brand loyalty, while minimizing the high costs of product development, knowledge management and data conversion.

"Companies deploying SP&P can offer more distinguished style value than their competitors," notes Bruno Lachague, EVP Development & Support, Industry Solutions, Dassault Systèmes. "SP&P enables them to quickly integrate innovative technologies into their products, and reuse experience from previous projects, reducing the number of physical prototypes and therefore total development time. The result is a wider range of innovative products to meet the needs of a demanding market."

The SP&P solution combines CATIA V5 for product design and simulation, SMARTEAM for business process and lifecycle management, and a unique and evolving set of dedicated DS PLM Practices, developed by Dassault Systèmes. Advanced training, based on extensive knowledge of customer experiences, has been developed to facilitate quick, easy and successful solution implementation.

Unique advanced design capabilities

The Styled Plastic and Packaging Solution's capabilities comprise the best-in-class Industrial Design tools of CATIA V5: Imagine & Shape (IMA) and Functional Molded Parts (FMP). Imagine & Shape provides designers with unique and powerful subdivision surface modeling technology to rapidly create and style today's complex aesthetic surfaces in 3D, without prior manual sketching or prototyping, providing them with complete creative freedom.

Design engineers using the Functional Molded Part product can focus on parts modeling, rather than spending their time solving technical problems, defining the complete functional specification for both parts and tooling and delivering breakthrough reductions in the design-to-manufacturing cycle. The

reverse engineering and rendering capabilities of CATIA V5 facilitate 3D product visualization, bringing an early understanding of the impact of design changes, and driving product quality, innovation and communication.

With collaborative product lifecycle solutions based on SMARTEAM, businesses benefit from inter-company integration of their design and manufacturing processes, including product data management. SP&P Solution's tools also allow designers to work concurrently on the same designs, revise them rapidly, and make late modifications, giving manufacturers a new degree of flexibility for efficient multi-site concurrent engineering, and minimizing cycle costs.

"Today's next must-have consumer goods item needs to get into the hands of the user at the right time, at the right price, with the best mix of functionality and features, and all with an award-winning design," says Mark Lefebvre, Global Marketing Executive, Product Lifecycle Management solutions, IBM. "The Styled Plastic and Packaging Solution can help our clients meet those tough challenges and focus on the innovation that matters."

At the core of the Styled Plastic and Packaging Solution is Collaborative Generative Design (CGD), comprising the SMARTEAM and CATIA V5 applications, which provides styled product manufacturers with an attractively priced common platform. Delivered as a PLM Solution for medium-sized businesses, this collaborative base can then be extended with dedicated configurations to address the specific requirements of individual users. They also benefit from a total solution addressing their PLM infrastructure needs, including hardware and middleware to manage security, backup and recovery, high performance and flexibility.

 [Click here to return to Contents](#)

Test Insight Addresses Improved Design-for-Test Flow with Cadence; Integrated Test Flow

7 March 2006

Test Insight, a provider of software solutions for the design to test field in the semiconductor industry announced a validated flow between Virtual Test Wizard and Cadence® Encounter® Test from Cadence Design Systems Inc.

Test insight's Virtual Test Wizard enables customers working on SoCs to identify shortcomings in the chip design and defects in the DUT (Device Under Test) test program early in the design cycle when they can be remedied easily and with minimum expense.

The Test Insight and Cadence joint flow enables users to develop and debug their ATE (Automatic Test Equipment) program in a software-only environment before prototype silicon is available. Virtual Test Wizard emulates the tester's environment with the DUT model output from Cadence Encounter Test.

Virtual Test Wizard methodology advances much of the ATE debug phase to an earlier stage in the project and moves it from very expensive and often difficult to access ATE systems to the convenience

of the engineer's desk. This validated flow substantially improves test program quality and shortens the time to tested parts. The joint flow was developed through Test Insight's membership in the Cadence Connections program, which fosters interoperability between Cadence technologies and those of its partners.

Collaboration between Design and Test Made Easier with Virtual Test Wizard

Virtual Test Wizard stands out in delivering a sophisticated solution to efficiently debug test programs before silicon production. Customer experience demonstrates that the joint flow of Virtual Test Wizard and Cadence Encounter Test provides the end user with an improved, quick link to the target tester.

"Cadence Encounter Test customers will find adopting Virtual Test Wizard enables their engineers working on Test Development to start program debug much earlier in the design cycle," says Dima Angert, architecture engineer at Test Insight. "This gives them many significant advantages - it builds better working relationships with the designers, it is easier to make modifications to the design that have significant benefits for test, and it greatly reduces the amount of time required on the ATE with first silicon."

Improved Delay Tests Improve Product Quality

Cadence Encounter True-Time Test is the industry's first delay test ATPG that uses actual post layout design timing information and the specification of the tester's timing capabilities to automatically generate faster-than-at-speed delay tests in a single pass.

"Encounter True-Time Test addresses the challenge to product quality at 90 nanometers, where subtle design-process interactions manifest as delay defects and avoid detections with traditional delay testing," said Sanjiv Taneja, vice-president, Encounter Test at Cadence. "Working with Test Insight enables our joint customers to take advantage of the industry's most advanced ATPG tools."

Test Insight's Wave Wizard and Virtual Test wizard failure logs are validated to assure their compatibility with Encounter Diagnostics' Chip Pad Pattern (CPP) format.

About Test Insight

Test Insight, a standard leader in providing software solutions for the design-for-test field worldwide, delivers software products that enable acceleration of creation and debug of ATE programs. Leading ATE suppliers and users of both ATE and EDA environments use Test Insight products to bring forward the availability of tested integrated circuits and to improve the production yield of complex digital integrated circuits. Headquartered in Tel Aviv, Israel the company markets its tools through distribution channels and partnership arrangements with ATE and EDA suppliers. For further information about Test Insight and its products, visit <http://www.testinsight.com> or contact info@testinsight.com.

 [Click here to return to Contents](#)

TransMagic 2006 Ships with Direct SolidWorks Support; NGRAIN Format Added, Updated Support for CATIA V5 R16, STEP AP214

9 March 2006

TransMagic, Inc. announced the release of the TransMagic 2006 product line with new direct support for SolidWorks part and assembly files. TransMagic 2006 also offers updated support for CATIA V5 R16 and a new option to write 3D models in the NGRAIN file format for use within NGRAIN software products.

New features and enhancements in the TransMagic 2006 release include:

- Native support for SolidWorks part (*.sldprt) and assembly (*.sldasm) files is now available for all TransMagic products.
- Support for the CATIA V5 R16 part and assembly files has been updated.
- TransMagic has added to all their translation software products the ability to export files in the NGRAIN *.3ko format. NGRAIN software products support installation, maintenance and repair training on complex equipment.
- TransMagic users can now choose STEP output in either the AP203 or AP214 format.
- TransMagic's new Colorize function saves significant time by facilitating repair operations to convert complex surface models into "solid" models. This is very useful when dealing with IGES and CATIA assembly files.

"As SolidWorks grows in popularity, there are an increasing number of requests for TransMagic to support SolidWorks files," remarked Todd Reade, President of TransMagic, Inc. "As a result, we have made native SolidWorks file support available in all of our viewing and translation products."

TransMagic, Inc. develops multi-format CAD data exchange software products that are compatible with every CAD system. TransMagic products support most major MCAD file formats including CATIA V5, CATIA V4, SolidWorks, Inventor, UGS, Pro/ENGINEER, ACIS, Parasolid, STEP, STL, IGES, HSF and NGRAIN. In addition to 3D CAD translation and extensive geometry repair functionality, TransMagic's products provide complete file visualization and Internet collaboration tools.

For more information about TransMagic products, visit the TransMagic website at <http://www.transmagic.com> or contact TransMagic, Inc. at 303-460-1406.

 [Click here to return to Contents](#)