CIMdata

PLM Industry Summary

Editor: Christine Bennett

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Acquisitions

BlueCielo Acquires 49 Percent Stake in Brazilian Reseller PONTODOC

11 December 2008

BlueCielo ECM Solutions announced that it has acquired 49 percent of PONTODOC Soluções de Gerenciamento Ltda, a company specializing in the implementation of ECM solutions based in Santo André, São Paulo, Brazil. PONTODOC will be renamed BlueCielo do Brasil Soluções de Gerenciamento Ltda.

The partial acquisition of PONTODOC is BlueCielo’s first step to forming a strong, operational infrastructure in Brazil and the rest of Latin America. PONTODOC has had a total focus on the sale and support of BlueCielo’s product portfolio since 1997 and holds Brazil’s second-largest market share for the resale of the InnoCielo software suite. PONTODOC’s clients include companies such as major Brazilian oil producer Petrobras, Brazil’s largest mining company Companhia Vale do Rio Doce, key player in Brazilian agribusiness Fosfertil/Ultrafertil, and well-known tyre manufacturer Pirelli.

BlueCielo has the option to further increase its shareholding in PONTODOC as of January 2009.

“Latin America is strategic for the further growth of our organization,” states Martijn Janmaat, BlueCielo’s CEO. “BlueCielo already has a strong base of customers and our aim is to further increase our presence in the region, enabling customers to benefit from direct access to BlueCielo expertise. PONTODOC’s solid success and established presence in Brazil provide us with the perfect springboard for our expansion strategy for Latin America.”

“BlueCielo has often counted on us in Brazil because our company has a dedicated focus on InnoCielo products. We’re very happy to become part of BlueCielo’s efforts to form a strong organizational infrastructure in Latin America,” says PONTODOC’s managing director Julio Cesar Paulino. “Our

customers will notice that our level of support will increase with direct access to BlueCielo and its expert global resources, enriching the good experience they're already having with us."

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PTC Advances Green Product Design and Environmental Regulatory Compliance Solution with Acquisition of Synapsis Technology

10 December 2008

PTC announced it has acquired the business assets of Synapsis Technology, Inc., based in Spring House, Pa. Synapsis provides environmental regulatory compliance solutions to leading customers including Motorola, Microsoft, Sony Ericsson, Visteon, Delphi, IBM, GE, Beckman Coulter, Teradyne and Cisco. The company is privately held and has approximately 25 employees. Financial terms of the acquisition were not disclosed. With this acquisition PTC will broaden its support for green product design and enable customers to achieve compliance with REACH and other environmental regulations.

Environmental regulatory compliance and "green" product design are increasingly important across all industries. Faced with a growing set of standards and environmental compliance regulations on product development including the European Union's (EU's) RoHS, WEEE, ELV, REACH, China's RoHS, as well as others, there is growing demand from manufacturers for a scalable platform to support green design initiatives.

The EU's Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) regulation is the latest in a rapidly growing list of environmental regulations across the globe. REACH targets hazardous substances in products, termed substances of very high concern (SVHC), and may ban up to 3,000 chemicals used in a wide variety of products. A failure to demonstrate compliance with REACH and other regulations can have severe consequences, threatening product viability and revenue.

Synapsis' patented solution supports product compliance tracking at the substance, material, part and product levels to improve data collection, analysis and reporting from the beginning of product design to final disposal and recycling. With these capabilities, Synapsis helps manufacturers manage compliance with REACH, as well as RoHS, WEEE, ELV, and China RoHS.

PTC's Product Development System (PDS) provides an integral, scalable platform that leverages PTC's combination of strengths to help companies achieve their business goals through product development process optimization. With the Synapsis solutions, PTC will expand the capabilities of its PDS to help companies build environmental compliance into the product development process, managing compliance with existing and future environmental regulations. By proactively addressing compliance during product design, companies can avoid after-the-fact redesigns, ultimately reducing costs and improving quality and time-to-market.

"Environmental regulatory compliance is an escalating business challenge for customers across all industries. The constantly increasing number and scope of new regulations adds further complexity to the product development process and must be addressed in a holistic way," said James Heppelmann, executive vice president and chief product officer, PTC. "Synapsis best-of-breed solutions fully complement the PTC PDS. This acquisition benefits PTC customers by enabling them to fulfill global compliance requirements and achieve success with environmentally-aware design and other "green" product development initiatives."

"Many leading companies have standardized on Synapsis solutions for RoHS, ELV and REACH

product compliance due to our patented analysis approach that delivers the most accurate results available commercially," said Andrew Wertkin, chief technology officer and co-founder of Synapsis. "The incorporation of Synapsis technology with PTC's world class product development system will create a uniquely powerful combination that weaves compliance into the complete product lifecycle, enabling companies to better manage current and future regulations."

Synapsis solutions are available immediately from PTC. In the near future, PTC will announce further details regarding the timing and availability of an integration with Windchill®, PTC's content and process management solution.

The timing of any product release or integration, including any features or functionality, is subject to change at PTC's discretion.

For more information about the acquisition, please visit: http://www.ptc.com/company/synapsis/.

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CIMdata News

CIMdata Announces its 2009 PLM Vendor Forum Program: "PLM in Uncertain Economic Times"

10 December 2008

Consulting and research firm CIMdata, Inc. announces its 2009 PLM Vendor Forum schedule and program. These international one-day events will be held in Ann Arbor, Michigan, USA on March 25th, in Stuttgart, Germany on April 2nd, and in Tokyo, Japan on April 8th, 2009.

CIMdata's 2009 PLM Vendor Forum will provide an insightful view of the impact of the current economic climate and trends on Product Lifecycle Management (PLM) solution suppliers competing in an increasingly challenging market. As always, CIMdata's perspective on the state and trends of the current and future PLM market will be reviewed in detail, as well as the first public exposure to CIMdata's perspective on 2008 PLM market results—including our extensive analysis and forecasts regarding market growth across PLM domains, industries, and regions, and the performance (revenue and market share analysis) of leading PLM providers. Participants in CIMdata's PLM Vendor Forum should expect to gain a solid understanding of the current PLM market situation, dynamics that are impacting it, and expectations for its continued evolution. In addition, attendees will have the opportunity to gain further insights into opportunities and approaches they can use to navigate the PLM market environment during these current uncertain economic times. For detailed agenda and registration information, go to CIMdata 2009 Vendor Forum.

According to Mr. Ken Amann, CIMdata Director of Research, "It is critical for companies of all industries and sizes to not lose sight of the high-priority strategies and tactics that are required to position themselves for the future." He added that an economic downturn is not a new phenomenon. Economic cycles have long been a fact of business life and have been successfully addressed by companies in many different industries. Mr. Amann said, "A downturn in the economic climate doesn't change the fact that companies need to be more efficient and innovative. In fact, CIMdata would argue that effective PLM strategies are even more critical during uncertain economic times." The key to success, argued Mr. Amann, is often based on what companies prioritize and establish during stressful times to both survive and effectively position themselves for the market growth periods that will follow. This is of course not only true for companies that implement PLM, but also for suppliers of PLM

enabling solutions.

Mr. Amann noted that periods of economic uncertainty in the global market usually bring both challenges and opportunities. "Positioning in these times is critical and requires the proper balancing of corporate restraint in some areas along with the willingness to expand resources and expenditures in others."

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CIMdata in the News: "Whitepaper Tips and Tricks: Product data management systems ready for small, medium companies"

11 December 2008

The *Control Engineering* article, "Whitepaper Tips and Tricks: Product data management systems ready for small, medium companies" highlights the complimentary CIMdata white paper, "Getting Started in PDM," and quotes CIMdata's Peter Bilello.

> "As PDM technologies have matured, their applicability to multiple industrial segments and organizations of all sizes has increased significantly," explains Peter Bilello, CIMdata vice president. "Our research and experience indicate that many PDM systems have evolved to meet the needs of not just large enterprises, but also small- to medium-sized enterprises of all types. This evolution is an undisputable sign of general market acceptance for this data management-focused technology and the other Product Lifecycle Management (PLM) enabling technologies (such as visualization, enterprise application integration, digital manufacturing, etc.)" Bilello adds,
>
> "There is no doubt that the extensive capabilities provided by many of today's PDM systems have allowed enterprises in many industrial segments to better control and leverage their intellectual assets—to reduce cost, increase quality, and reduce delivery time." Bilello also says a number of PDM suppliers are delivering robust preconfigured PDM systems that had been designed for mid-market companies.

To learn more, please access Whitepaper Tips and Tricks: Product data management systems ready for small, medium companies (Control Engineering, 11 December 2008) Edited by Mark T. Hoske, editor in chief

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Company News

Altair's New Benchmark Web site for RADIOSS Demonstrates Software Scalability, Repeatability & Compares Hardware Vendor Performance

9 December 2008

Altair announced a new Web site (http://www.altair.com/benchmarks) that allows Altair hardware partners and RADIOSS users to download and run four separate typical RADIOSS models, and then post the results on the Web site, making them available for customers to view.

Altair's objectives for the RADIOSS benchmark program include:

1. Demonstrate the scalability and repeatability of RADIOSS on a variety of HPC platforms;

2. Provide customers better insight on the scalability of RADIOSS so that they can optimize their workload throughput; and

3. Allow hardware partners to promote their system performance on a standard suite of RADIOSS benchmarks using real-world models.

"Numerical simulations have to take up several challenges in order to answer the constraints of automotive projects. One of them is to shorten development delays and another is to reduce experimental tests and prototypes," said Laurent Di Valentin, Numerical Simulation Expert, PSA Peugeot Citroen. "Therefore, we need powerful speed on High Performance Computing platforms in order to get results for crash models of 2 or more million elements in very short time. Altair's new RADIOSS benchmark website should provide interesting prospective to these challenges."

"RADIOSS is part of the HyperWorks platform and serves as its finite element solver hub, providing a comprehensive FEA solver for linear, nonlinear, multi-body dynamics, and fluid-structure interaction problems," reported Margaret S. Gurney, Desktop Engineering. RADIOSS is suitable for a complex range of physics problems including noise vibration and harshness, crash analysis, drop testing, ballistics, and explosions. The benchmarks currently available for download include four automobile crash tests. While the first benchmark tests are crash-simulation related, RADIOSS is used across a wide spectrum of domains and industries. Over time, Altair will be adding more diverse models for linear and non-linear FEA tests.

"Altair's benchmark Web site for RADIOSS allows us to highlight its scalability, while providing customers a powerful tool to accurately size their computing systems, based on their specific requirements," added Jeff Brennan, Altair vice president, Commercial Software. "The benchmark site also allows our hardware partners to demonstrate how RADIOSS performs on their computing hardware."

Results of each benchmark test are delivered in an easy-to-use format using graphical visualization powered by HiQube™, enterprise analytics software. As a high-performance business intelligence & engineering intelligence engine provides industry-leading data visualization capability to the RADIOSS benchmark program for quick interpretation of data results.

Industry response to the program has been extremely positive, as it provides customers with proof points to the scalability of RADIOSS and a benchmark data that leads to predictable and repeatable performance of the software.

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ASCENT Releases New Title Civil 3D 2009 Survey Fundamentals – Field to Finish and Updates Training Guide for AutoCAD® LT 2009 Software

9 December 2008

RAND Worldwide announced that its courseware division, ASCENT – Center for Technical Knowledge®, released a new title, Civil 3D 2009 Survey Fundamentals – Field to Finish and has updated their training guide, AutoCAD LT 2009 Fundamentals.

ASCENT's new Civil 3D 2009 Survey Fundamentals – Field to Finish training guide has been created to equip the surveyor with the basic knowledge needed to use Civil 3D efficiently in a typical daily survey

workflow, without the previously required prerequisites. From exporting data from field equipment to importing the converted data into a standardized environment in Civil 3D and utilizing the automation tools to create an Existing Condition Plan. Focus is more on styles, proper drafting techniques and also the methodology needed to create linework effectively for variables used in defining symbology, surfaces, categorizing points and importing imagery on State Plane Coordinate Systems from Google Earth.

"ASCENT recognized that surveyors have a unique use of the Civil 3D software compared to Civil Engineers," said Joe Oswald, Executive Vice-President, PLM Operations North America and Europe, RAND Worldwide. "Civil 3D 2009 Survey Fundamentals – Field to Finish has been specifically designed to cover all a Surveyor needs to know about Civil 3D to be successful at their job."

The AutoCAD LT 2009 Fundamentals training guide provides new users with the skills required to successfully create 2D drawing in AutoCAD® LT. The updated 2009 version helps users understand the 2009 workspace and interface, including using the Ribbon and Menu Browser. It teaches them how to use basic drawing, editing, and viewing tools, and how to add text, hatching, and dimensions to a file. In addition, the course focuses on more advanced techniques to further refine a user's skill sets. Users learn basic more advanced editing and construction techniques, how to create local and global blocks, and set up layers, styles and templates.

Later this winter, ASCENT will release newly created training guide, Maya 2008 Fundamentals.

ASCENT is an Authorized Author, Publisher and Developer of Autodesk® curriculum. All of the company's Autodesk® courses are available to educational institutions, individuals, and corporations.

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Chanel and Dassault Systèmes Form Strategic Partnership

8 December 2008

Chanel Research and Technology and Dassault Systèmes announced that they have signed a strategic partnership agreement to drive scientific innovation. By combining their expertise, in cosmetics for Chanel, and in 3D technologies and virtualization for Dassault Systèmes, the partners aim to develop unique concepts and explore new territories in life sciences.

The partnership was born out of the companies' mutual desire to harness the power of the virtual world in order to bring improvements to our everyday life, as well as expand the frontiers of innovation.

The first joint project, which is based on the analysis of light and already under way, is co-developed by Chanel Research and Technology and the Dassault Systèmes Design Studio. The aim is to validate new hypotheses and concepts in the beauty sector using virtual software solutions. The project will be finalized in 2010.

Other opportunities are also being explored, with an emphasis on virtual simulation and modeling that will pave the way for innovative breakthroughs in skin biology and cosmetics.

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ChipEstimate.com Announces New IP Partners

8 December 2008

ChipEstimate.com announced that more than a dozen IP companies recently have joined or upgraded their memberships to the ChipEstimate.com chip planning and IP portal.

New members joining at the Prime partner level are Cypress Semiconductor, provider of high-performance mixed-signal, programmable solutions; eMemory, provider of logic-compatible embedded non-volatile memory (NVM) IP; and nSys, which offers a large portfolio of verification IP used to accelerate design schedules of customers developing ASICs and FPGAs. Twelve additional companies are being added at the Choice partner level.

"We are pleased to have these great companies join the ChipEstimate.com IP partner community," said Sean O'Kane, marketing director, Chip Planning Solutions. "They join an ever-expanding group of IP vendors who have teamed up with ChipEstimate.com to address the universal need of design teams to simplify and accelerate the process of planning their next successful chip project. ChipEstimate.com helps bring focus to our IP partner products and services, allowing them greater visibility for their IP offerings. This newly added IP enhances the options SoC design teams can consider when seeking IP for a broad set of applications."

Prime Partners

Cypress Semiconductor provides high-performance, mixed-signal, programmable solutions

eMemory provides logic-compatible embedded non-volatile memory (NVM) IP

nSys offers a portfolio of Verification IPs to accelerate designs of customers developing ASIC/SoC/FPGAs

Choice Partners

Bluespec Inc. provides high-level synthesis toolsets and solutions to accelerate architecture, verification and implementation

Cambridge Consultants provides solutions in photonics and complex electro-optic systems

Dolphin Integration offers standard cell libraries, memory, analog and processor silicon IP together with EDA solutions

eSilicon Corporation is a fabless semiconductor company that provides a comprehensive suite of ASIC design, productization and manufacturing services

Evatronix is a complete digital IP solutions and design services provider

Handshake Solutions offers tools and IP for ultra-low power asynchronous IC design

HDL Design House is a provider of soft IP cores and offers design and verification engineering services for SoC projects

Sarnoff Europe provides specialized ESD design solutions

Snowbush IP (a division of Gennum Corporation) offers PHY and controller solutions for high-speed serial communication standards like PCIe, SATA, SerDes

Transmeta Corporation develops and licenses computing, microprocessor and semiconductor technologies and related intellectual property

The Western Design Center provides 65xx (GDSII and RTL (Terbium)) microprocessor IP Cores, Tools, and Chips (fabless)

Wipro-Newlogic offers wireless LAN, Bluetooth, UWB, IEEE1394 IP cores for analog and digital IC design services

ChipEstimate.com was launched in 2005 to provide comprehensive chip planning capabilities to the electronics and semiconductor community.

In addition to searching the comprehensive IP catalog and using IP Concierge, designers can download InCyte™ software at ChipEstimate.com to plan their next chips and explore die size, power, leakage, and cost tradeoffs. These IP providers can now be searched for and considered in chip estimations with InCyte though the ChipEstimate.com website.

About ChipEstimate.com

The ChipEstimate.com chip planning portal is an ecosystem comprised of over 200 of the world's largest IP suppliers and foundries. These companies all share in the common vision of helping the worldwide electronics design community achieve greater profitability and success. To date, a diverse global audience of over 20,000 users has joined the ChipEstimate.com community and has collectively performed over 80,000 chip estimations. ChipEstimate.com is a property of Cadence Design Systems, Inc.

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Dave Coppin Appointed Executive Vice President of AVEVA NET Solutions

11 December 2008

AVEVA announced that Dave Coppin has been appointed to the position of Executive Vice President of AVEVA NET Solutions.

In this role, Dave's primary responsibilities will include global leadership of the AVEVA NET Solutions organisation, and in particular directing associated business engagements, project execution and product development.

Starting from an electrical engineering and process control background, Dave has nearly 20 years' experience in working with many of the world's top engineering consulting organisations and major plant operating companies. Immediately before joining AVEVA, Dave spent a number of years as the engineering systems manager for a major multi-national engineering organisation.

Dave joined AVEVA in 2000, where his considerable experience underpinned his major contribution to the successful implementation of engineering IT solutions within a number of blue chip companies in Asia Pacific. More recently, Dave managed a multi-national Asia Pacific based team, delivering consulting and implementation services associated with lifecycle data management.

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David Fano, Craig Barbieri and Henry Goeke Win First 3D Autodesk University Design Slam Contest

5 December 2008

David Fano, Craig Barbieri and Henry Goeke were crowned winners of the Autodesk University (AU) Design Slam in the categories of Architecture: "Less AND More," Architecture: "Less is More" and Industrial Design: "Watch This," respectively. AU Design Slam, presented by Cut&Paste, is a live-on-

stage design competition where contestants employ Autodesk software, quick-witted design and high-energy showmanship to create digital designs that wowed the audience and the judges.

Fano's design of a modern, collective social dwelling on the East River of New York secured his first place win in the Architecture: "Less AND More" category; Barbieri's design of a complement building to the Barcelona Pavilion by Mies van der Rohe garnered him first place in the Architecture: "Less is More" category; while Goeke's design of a present day watch for the 16-25 age group secured his first place win in the Industrial Design: "Watch This" category.

Inspired by the global success of Cut&Paste's annual Digital Design Tournament, the AU Design Slam adapted this fast-paced format to test the skill, speed and stage presence of the contestants as they create original designs in rounds of 20 minutes while their work is shown in real-time on large-scale projections.

About Cut&Paste

Cut&Paste is a social arena for the discovery, advocacy and elevation of design. It lives as a global movement of artists, firms and media working to strengthen creative networks through events and local support. Born in New York City in November 2005, Cut&Paste's signature event is the Digital Design Tournament, held live throughout the world each year. The 2009 tour is scheduled to take place in 16 cities around the globe. Cut&Paste additionally powers design-driven contests and events within the industry. Learn more about Cut&Paste at http://www.cutandpaste.com.

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HP Adds EDS to its Technology Solutions Group to Better Serve Business and Public Sector Customers

5 December 2008

HP today announced that Ron Rittenmeyer, president and chief executive officer of EDS, an HP company, will retire effective Dec. 31, 2008.

At the same time, EDS will become a business unit within HP's Technology Solutions Group (TSG). The newly combined TSG business group accounted for roughly $14.6 billion, or 43 percent, of the company's total revenue in the fourth quarter of fiscal year 2008 and more than half of the company's operating profit.

The new organizational structure will allow HP to sell and deliver more integrated solutions for its customers. In addition, this organizational change is expected to allow HP to continue to quickly realize its revenue growth and cost-efficiency goals for EDS.

Joe Eazor will assume the role of senior vice president of EDS with responsibility for the business unit's operations, reporting directly to Ann Livermore, executive vice president of TSG. Rittenmeyer, who joined EDS in 2005 and was named chairman and CEO in 2007, played a key role in accelerating the company's transformation and subsequent integration within HP.

"HP redefined the enterprise IT market with the acquisition of EDS. We are ahead of schedule with the integration of EDS, and combining TSG and EDS is the next step in that process," said Mark Hurd, HP chairman and chief executive officer. "Ron's insights were key to setting the foundation for integrating EDS' world-class services capabilities with the market-leading portfolio of HP products and services. I thank Ron for his strong leadership during the integration process and wish him well in his retirement."

"With EDS, HP delivers to customers a broad spectrum of technology solutions that is simply unmatched by any other provider," said Livermore. "Our relentless focus on product and service leadership will ensure that HP becomes the first choice for customers, whether they choose to consume technology by implementing HP products, outsourcing it to us, or receiving it via the cloud."

Eazor, 46, currently serves as senior vice president of Transformation. He led the EDS deal team through its acquisition by HP and the subsequent integration. Prior to the acquisition, Eazor was executive vice president of Corporate Strategy and Business Development at EDS. He also served as senior vice president of EDS Asia Pacific, with responsibility for more than 30,000 employees in the region including India, China, Japan, Korea, Southeast Asia, Australia and New Zealand.

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Informative Graphics Experiences 50% Year-over-Year Growth as Demand Accelerates for Secure Document Viewing and Collaboration

8 December 2008

Informative Graphics Corporation (IGC) announced that the company experienced 50% growth from November, 2007 to November, 2008 as demand for its secure viewing and collaboration products accelerated worldwide. More than 4000 customers in healthcare, insurance, government, financial services and other verticals currently use Informative Graphics for workflow efficiency, information security and compliance.

Demand for enterprise content management (ECM) solutions that provide secure document viewing and collaboration continues to fuel growth for Informative Graphics as organizations' concerns around information security and privacy protection increase. This demand has resulted in across-the-board expansion of strategic partnerships including EMC Documentum, Open Text, IBM, Interwoven and Kofax. Secure ECM solutions are a high-priority investment for enterprises concerned with e-Discovery readiness, optimizing workflows and regulatory compliance.

Since its inception, Informative Graphics has demonstrated technology excellence with viewing, annotation and electronic redaction products that address secure content access and delivery. Its Content Sealed Format (CSF) with Visual Rights® allows users to add additional file security like an expiration date and password and feature restrictions like print, copy and annotation. These capabilities help organizations answer compliance concerns and reduce liability by making it easier to protect privacy information and confidential data.

2008 witnessed a number of new innovations by Informative Graphics. The company introduced Redact-It®, the industry's first comprehensive suite of redaction software products including a desktop version, fully automated server product that can be integrated into workflow process or used for batch jobs, and a plug-in to scanning systems. Redact-It intelligently detects and removes privacy information, including social security numbers, names and phone numbers, before making documents secure and available to a wider audience. Also this year, Informative Graphics raised the bar for unified viewers with its latest version of Brava!®, a multi-format viewer with advanced electronic redaction and Visual Rights persistent file security. The company also unveiled the industry's first role-based redaction for ECM as part of its Brava! Enterprise viewing, annotation and redaction software for Open Text Livelink ECM™.

Informative Graphics continues to assert its position in the market as the leading enabler of document viewing, collaboration and redaction solutions and is capitalizing on its technology advantage to capture

market share in key industries such as government, life sciences, insurance, legal, and education verticals. With a growing distribution network, Informative Graphics expanded its footprint in 2008 with installations around the world reaching an estimated three million installed seats.

2008 Achievements - A Year in Review

Informative Graphics significantly exceeded forecasts for 2008, achieving record milestones on the corporate, customer, and partner fronts. 2008 company highlights include:

Celebration of the company's 18th year in business

50% revenue increase year-over-year with expanded profitability

Next generation Redact-It Desktop and Redact-It Enterprise solutions for protecting privacy information and significantly reducing the eDiscovery review process

Industry's first role-based redaction technology, integrated with Open Text Livelink

Expanded secure document viewing and collaboration with Brava Enterprise 6.1

Passed the 4,000 customer milestone

Extension of partner network through agreements with EMC Documentum, Open Text, IBM, Interwoven and Kofax

2009 Informative Graphics Looks Ahead

For 2009, Informative Graphics is focused on expanding revenue worldwide to take advantage of the continuing demand for solutions that promote secure and efficient content-based workflow. As part of its strategy for growth, Informative Graphics will continue to add strategic partners worldwide and will continue to add product features that provide its partners with a competitive market advantage and customers with the security and ease-of-use they have come to expect from Informative Graphics.

"Informative Graphics is focused on delivering superior document viewing, collaboration and redaction software that provides content security for both corporate and individual privacy needs," said Gary Heath, President and CEO of Informative Graphics. "In 2009 we will continue to drive innovation to deliver products that address privacy protection, operational efficiency and secure content sharing. Informative Graphics will continue capitalizing on its technology advantages to increase adoption in this important segment."

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Siemens PLM Software Celebrates Newest PLM Company First: Enabling the Training of More Than One Million Students around the World per Year

11 December 2008

Siemens PLM Software announced it is the first PLM company to reach the milestone of enabling the training of more than one million students around the world annually on PLM software.

Siemens PLM Software enables the training of students on PLM software by offering in-kind software grants to schools around the world through its Global Opportunities in Product Lifecycle Management (GO PLM™) initiative, which it launched in 1997. The company enables the training of more than one million students annually – a 25 percent increase over the past five years – through its relationships with more than 10,000 academic partners, another milestone just passed as part of the GO PLM initiative.

Siemens PLM Software leads the PLM industry in the commercial value of in-kind grants it provides at more than US$4 billion annually.

"Siemens PLM Software takes great pride in being the first PLM provider to reach the one million milestone," said Tony Affuso, chairman and CEO of Siemens PLM Software. "The GO PLM initiative is core to our continuing commitment to address the essential business issues our customers face, including the shrinking supply of skilled employees as well as the gap between current workers skills and the level of performance required in today's global manufacturing market.

"As today's manufacturers address major economic challenges, it is increasingly important that they employ a well-educated workforce. It is also imperative for students wishing to enter the workforce to be fully trained on the world's best technology," Affuso said. "Our GO PLM initiative is a win-win that helps tie these ends together."

For more information on GO PLM and the partners and programs it supports visit http://www.plm.automation.siemens.com/en_us/about_us/goplm/index.shtml.

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Trubiquity Names Koons President, CEO

5 December 2008

Trubiquity, a provider of simple, secure, exchange and business process automation solutions for companies across a variety of industries, has named Stephen Koons president and chief executive officer.

Koons previously served as senior vice president of Strategic Business Development for Trubiquity. He led the company's acquisitions of Datranet, Secorex, Trinary Systems and the assets of Mosaic Software AG and has developed and maintained relationships with Trubiquity's key partners. Prior to joining Trubiquity, Koons served as vice president of sales at BRT Inc., an enterprise software developer and systems integrator. He previously held global management positions at Electronic Data Systems (EDS) and AT&T.

Koons holds a bachelor's degree from Michigan State University in East Lansing, Michigan, and also is pursuing a master's degree in business administration from the Executive Program at the Broad Graduate School of Management at Michigan State.

Based in Rochester Hills, with European headquarters in Germany and the U.K., Trubiquity is a leading provider of global data exchange and business process automation software for manufacturing, finance, consumer goods and retail organizations. The company provides a software-as-a-service-based business process network connecting enterprises across all global communication protocols and standards. Trubiquity's solutions can be accessed all the time, everywhere around the globe.

Trubiquity's customers are some of the world's leading manufacturers and their suppliers as well as retailers and financial institutions including BMW, Chrysler, Ford, General Motors, METRO Group, Mitsubishi and Nissan, as well as BAE Systems, Behr, Federal Mogul, Hella, Johnson Controls, Lear, Metaldyne, TRW and Visteon. For additional information regarding Trubiquity, visit http://www.trubiquity.com.

Kinderhook Industries, a New York-based private equity fund with $470 million of committed capital, became Trubiquity's major shareholder in 2007. For additional information, visit

http://www.kinderhookindustries.com.

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Events News

Bo Burlingham, Ping Fu to Keynote Geomagic's Convergence 2009 Event

10 December 2008

Bo Burlingham, author of the best-selling book Small Giants, and Ping Fu, president and CEO of Geomagic, will be the keynote speakers at Convergence 2009, the Geomagic user conference that explores new applications, best practices and innovation in digital shape sampling and processing (DSSP). Convergence 2009 will be held February 24-26 in Savannah, Georgia, USA.

Burlingham, an editor-at-large of *Inc.* magazine, will address the central theme of *Small Giants*: how innovative companies have pursued greatness over growth. Tom Peters calls *Small Giants* "a large masterpiece" and Jim Collins, author of *Good to Great*, says the book "should inspire thousands of entrepreneurs to reject a mantra of growth-for-growth's sake in favor of a passionate dedication to becoming the absolute best."

Ping Fu co-founded Geomagic and has led its growth from a start-up to its current place as worldwide DSSP leader. As director of visualization at the National Center for Supercomputing Applications, Fu initiated and managed the NCSA Mosaic software project that led to Netscape and Internet Explorer. She also developed the software that enabled animators to create special effects for *Terminator 2*.

Three Days, Three Dimensions

Convergence 2009 – with the theme "Three Days, Three Dimensions" – takes place at the Westin Savannah Harbor Golf Resort and Spa, a four-diamond facility that's a short ferry ride away from culturally rich downtown Savannah.

Speakers from around the world will present papers on how Geomagic technology can be used to enable DSSP in a wide range of applications. Complementing the conference will be an exhibition of the latest 3D scanning technologies, demonstrations of new and emerging Geomagic products, and social events that provide the opportunity to network and learn in an informal environment. The event will culminate in a golf tournament at the Westin Savannah Harbor's The Club course, named one of the four best places to play by *Golf Digest*.

Call for papers and sponsors

Geomagic users interested in speaking at Convergence 2009 should submit an abstract and biography by December 22. Speakers receive complimentary full registration to Convergence 2009.

A wide variety of sponsorships are available for Convergence 2009 on a first-come, first-served basis. Convergence 2009 sponsors benefit from interaction with leading buyers of DSSP products in an intimate environment.

Early registration discounts

Attendees can receive a $200 discount if they register at http://www.geomagic.com/Convergence2009/ by January 17.

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Delcam Hosts 250 Customers at UK User Meetings

9 December 2008

More than 250 customers attended a series of user meetings held by Delcam during November. Events were held in Bolton, Durham, Manchester, Portsmouth and Birmingham. The Birmingham meeting, at Delcam's headquarters, proved to be so popular that a second event had to be organised to cope with the high demand.

Delegates to the meetings had their first opportunity to see the new version of Delcam's PowerMILL CAM software for high-speed and five-axis machining. This offers existing customers a more complete solution for complex machining operations, together with more control for experienced users that know exactly how they wish to machine a particular part. Users were shown how the new version can increase their productivity with its streamlined user interface, faster calculation times, and more efficient toolpath ordering, especially for roughing and rest machining.

The other main highlight of the meetings was the new Tribrid Modelling technology in Delcam's PowerSHAPE CAD software and CopyCAD reverse engineering system. Tribrid Modelling offers a better way of working for all companies developing new variants from existing designs, especially those making products that need to be personalised for a particular customer. The combination of solid modelling, surface modelling and triangle modelling in a single package provides a unique design system that reduces the need to transfer data between multiple programs and so streamlines the whole product development process.

Delegates were also shown enhancements across the complete range of functionality in the latest release of the FeatureCAM feature-based machining system. These new developments included increased options for more complex machines, such as mill-turn equipment, and four- and five-axis mills, allowing users to tackle more sophisticated parts than could be programmed before. Improvements were also demonstrated in the more fundamental machining operations, including turning and three-axis milling.

The sessions were completed with demonstrations of version 5 of the PowerINSPECT inspection software. This includes support for five-axis scanning with Renishaw's REVO probe, the ability to use multiple alignments within parts or assemblies, improved connectivity to a wide range of co-ordinate measuring machines and more flexible report generation.

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KOMPAS-3D V10 Highly Regarded at EuroMold 2008 in Germany

10 December 2008

ASCON exhibited at one of the largest world fair, EuroMold 2008, in Frankfurt/Main with its flagship professional Mechanical CAD solution KOMPAS-3D V10. The software was presented in Hall 6.0 at two booths: company's own stand C78 and at collective stand of the leading German speaking CAD/CAM/CAE-community CAD.DE – F24.

A qualified international trade audience of users from all industrial sectors learned about the professional, powerful and easy-learning abilities of KOMPAS-3D and booth of ASCON had large attendance in the course of the four fair days. Specialists from the company and its partner hold dozens

live demonstrations of wide functionality of high-performance solution for 3D solid modelling, 2D drafting, design and release of drafting documentation, also EuroMold attendees were interested in wide range of novelties and add-ons (such as piping, animation, kinematic and dynamic analyses, APM Studio FEM and many others), as well as in collaboration abilities of KOMPAS-3D with other software. Lots of Demo and Light versions of the software were distributed at both stands for familiarization and training for industrial enterprises specialists, IT experts, design and construction chiefs, students and journalists from all over the world. KOMPAS-3D gained a lot of favorable reports from ASCON stand visitors and many perspective new business contacts and meetings were held.

During this fair ASCON' partner in Germany - Frank Sattler, SATTLER media & datasystems, presented “KOMPAS-3D for effective design of industrial products” at the Design and Engineering session.

For more information about ASCON or KOMPAS-3D please visit http://www.ascon.net

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Financial News

Cadence Reports Q3 2008 Revenue of $232 Million and Completion of Accounting Investigation

10 December 2008

Cadence Design Systems, Inc. announced results for the third quarter of 2008. The Company also announced that the Audit Committee of its Board of Directors, in conjunction with special counsel, has completed its previously announced investigation of the recognition of revenue related to customer contracts, the results of which are set forth below.

Third Quarter 2008 Results

Cadence reported third quarter 2008 revenue of $232 million, compared to revenue of $401 million reported for the same period in 2007. On a GAAP basis, Cadence recognized a net loss of $169 million, or $(0.67) per share on a diluted basis, in the third quarter of 2008, compared to net income of $73 million, or $0.24 per share on a diluted basis in the same period in 2007.

In addition to using GAAP results in evaluating Cadence's business, management believes it is useful to measure results using a non-GAAP measure of net income or net loss, which excludes, as applicable, amortization of intangible assets, stock-based compensation expense, in-process research and development charges, certain termination and legal costs, costs related to Cadence’s withdrawn proposal to acquire Mentor Graphics Corporation and losses on the sale of Mentor Graphics Corporation shares, integration and acquisition-related costs, gains or losses and expenses or credits related to non-qualified deferred compensation plan assets, executive severance payments, restructuring charges and credits, losses on extinguishment of debt, equity in losses (income) from investments and write-down of investments. Non-GAAP net income or net loss is adjusted by the amount of additional taxes or tax benefit that the company would accrue if it used non-GAAP results instead of GAAP results to calculate the company's tax liability. See "GAAP to non-GAAP Reconciliation" below for further information on the non-GAAP measure.

Using this non-GAAP measure, net loss in the third quarter of 2008 was $23 million, or $(0.09) per share on a diluted basis, as compared to net income of $97 million, or $0.33 per share on a diluted basis, in the same period in 2007.

"Over the past two months, the Interim Office of the Chief Executive has been working closely with the management team, and taking aggressive steps to better position the company today and in the future. We remain focused on leveraging the company's many strengths, including our market leadership position, our innovative, cutting-edge technology and our long-standing customer relationships. We believe strongly that Cadence's highly ratable business model and improved cost structure form a solid foundation for enhanced operating and financial performance and long-term growth," said Lip-Bu Tan, Interim Vice Chairman of the Board of Directors and member of the Interim Office of the Chief Executive.

"We are focused on delivering compelling and innovative technology to our customers. As part of this, in November, we restructured our R&D organization into two teams, each led by an experienced industry veteran and supported by some of the best and brightest minds in our field. We expect the new R&D team structure will deliver greater product synergy and tighter integration as we leverage our leadership positions to grow our business. We are also pleased with the quality and breadth of our technology portfolio, which provides our customers with an attractive consolidation option as they seek to optimize their own productivity and efficiency," said Charlie Huang, Senior Vice President and member and chief of staff of the Interim Office of the Chief Executive.

"As we continue to manage through the global economic downturn, we are pleased that our transition to the new ratable mix is on track. During the quarter, we implemented a significant cost reduction program to refocus the company, improve our operational execution and financial performance and bring our expense base and operating structure in-line with our outlook," added Kevin S. Palatnik, Senior Vice President and Chief Financial Officer and member of the Interim Office of the Chief Executive. "We remain focused on improving efficiency and productivity, while continuing to invest in areas that enhance our competitive position and growth."

Results of Accounting Investigation

As announced on October 22, 2008, Cadence will be restating its quarterly financial statements for the periods ending March 29, 2008 and June 28, 2008. Cadence will adjust $24.8 million of product revenue recognized in the first quarter of 2008 and $12.0 million of product revenue recognized in the second quarter of 2008. This revenue will be instead realized over the term of the relevant arrangement. The results of the Audit Committee's investigation into the restatement issues are summarized below.

During the first quarter of 2008, Cadence executed a term license arrangement with a customer and, during the third quarter of 2008, Cadence executed a subscription license arrangement with the same customer. As part of its regular quarterly review process for the third quarter, Cadence identified certain factors that, when evaluated together, indicated that the software arrangements executed with this customer both in the first quarter and in the third quarter were negotiated in contemplation of one another. Accordingly, Cadence determined that the term license arrangement executed during the first quarter and the subscription license arrangement executed during the third quarter collectively represented a multiple element arrangement. Because the subscription arrangement provides the customer with the right to use unspecified additional software products that become commercially available during the term of the arrangement, Cadence determined that the revenue relating to this multiple element arrangement should be recognized during the term of the arrangement, beginning in the fourth quarter of 2008.

Consistent with good corporate governance practices, the Audit Committee of Cadence's Board of Directors, with the assistance of special counsel and other advisors, conducted an investigation of the events that led to the restatement of the Company's financial results. Upon completion of the

investigation, the Audit Committee concluded that the circumstances that led to the restatement were not the result of illegal conduct on the part of any of Cadence's directors, officers, or other employees. However, as a result of the investigation, the Company has identified a material weakness relating to the insufficient design and ineffective operation of certain internal controls over the recognition of revenue from term license agreements. The Company has taken and will continue to take actions to remediate the deficiencies identified as promptly as practicable.

As part of the remediation efforts that Cadence has begun implementing in response to the identified material weakness, Cadence reexamined a transaction that occurred during the second quarter of 2008 in which it concurrently cancelled a subscription arrangement and executed both a term license arrangement and hardware arrangement with a customer. Specifically, Cadence determined that, despite the cancellation of the subscription arrangement, the customer did not intend to substantively cancel its right to access future new technology because at the time the subscription license was cancelled the customer intended to re-establish its right to access future new technology at a later time. Accordingly, Cadence has determined that $12.0 million of revenue originally recognized in the second quarter of 2008 relating to the term license and hardware arrangement should be recognized ratably over the term of the arrangement, consistent with the way in which revenue was recognized on the cancelled subscription arrangement.

Lip-Bu Tan, Interim Vice Chairman and member of the Interim Office of the Chief Executive, said, "Cadence is committed to accurate and transparent financial reporting. The Audit Committee of our Board of Directors conducted a thorough investigation and we are pleased to put this matter behind us and focus our efforts on executing our business strategy."

The effect of the restatement on certain line items in Cadence's financial statements for the quarter ended March 29, 2008, the quarter ended June 28, 2008 and the six months ended June 28, 2008 is as set forth in the chart below. The effects set forth below take into account the $24.8 million and $12.0 million of revenue respectively discussed above, product revenue of $8.4 million recognized in the second quarter of 2008 that should have been recognized in the first quarter of 2008, as previously disclosed in Cadence's Form 10-Q for the period ended June 28, 2008, other immaterial adjustments to costs and expenses and the tax effect of the restatement adjustments.

	Quarter Ended March 29, 2008		Quarter Ended June 28, 2008		Six Months Ended June 28, 2008	
	As Previously Reported	As Restated	As Previously Reported	As Restated	As Previously Reported	As Restated
	(in thousands, except per share data)					
Total revenue	$ 287,189	$ 270,750	$ 329,478	$ 308,041	$ 616,667	$ 578,791
Total costs and expenses	$ 314,192	$ 314,192	$ 310,092	$ 307,485	$ 624,284	$ 621,677
Income (loss) from operations	$ (27,003)	$ (43,442)	$ 19,386	$ 556	$ (7,617)	$ (42,886)
Provision (benefit) for income taxes	$ (5,488)	$ (11,451)	$ 9,760	$ 12,720	$ 4,272	$ 1,269
Net income (loss)	$ (18,747)	$ (29,223)	$ 4,996	$ (16,794)	$ (13,751)	$ (46,017)
Diluted net income (loss) per share	$ (0.07)	$ (0.11)	$ 0.02	$ (0.07)	$ (0.05)	$ (0.18)

A reconciliation of Cadence's previously reported and restated Statements of Operations for the quarter

ended March 29, 2008, the quarter ended June 28, 2008 and the six months ended June 28, 2008 is included with this release.

Cadence is preparing its third quarter Form 10-Q, together with amended Form 10-Qs for the first and second quarter of 2008, and expects to file all three reports no later than December 12, 2008.

The following statements are based on current expectations. These statements are forward looking, and actual results may differ materially.

Business Outlook

For the fourth quarter of 2008, the company expects total revenue in the range of $215 million to $225 million. Fourth quarter GAAP net loss per diluted share is expected to be in the range of $(0.29) to $(0.27). Net loss per diluted share using the non-GAAP measure defined below is expected to be in the range of $(0.06) to $(0.04).

For the full year 2008, the company expects total revenue in the range of $1.025 billion to $1.035 billion. On a GAAP basis, net loss per diluted share for fiscal 2008 is expected to be in the range of $(1.13) to $(1.11). Using the non-GAAP measure defined below, net loss per diluted share for fiscal 2008 is expected to be in the range of $(0.06) to $(0.04).

A schedule showing a reconciliation of the business outlook from GAAP net loss and diluted net loss per share to the non-GAAP net loss and diluted net loss per share is included with this release.

Audio Webcast Scheduled

Lip-Bu Tan, Cadence's Interim Vice Chairman and member of the Interim Office of the Chief Executive, Charlie Huang, Cadence's Senior Vice President and member and chief of staff of the Interim Office of the Chief Executive, and Kevin S. Palatnik, Cadence's Senior Vice President and Chief Financial Officer and member of the Interim Office of the Chief Executive, will host a third quarter 2008 financial results audio webcast today, December 10, 2008, at 2 p.m. (Pacific) / 5 p.m. (Eastern). An archive of the webcast will be available starting December 10, 2008 at 5 p.m. (Pacific) and ending December 17, 2008 at 5 p.m. (Pacific). Webcast access is available at http://www.cadence.com/cadence/investor_relations.

Click here for the Q3 2008 Financial Schedules

GAAP to non-GAAP Reconciliation

Cadence management evaluates and makes operating decisions using various operating measures. These measures are generally based on the revenues of its product, maintenance and services business operations and certain costs of those operations, such as cost of revenues, research and development, sales and marketing and general and administrative expenses. One such measure is non-GAAP net income or net loss, which is a non-GAAP financial measure under Section 101 of Regulation G under the Securities Exchange Act of 1934, as amended, and is GAAP net income or net loss excluding, as applicable, amortization of intangible assets, stock-based compensation expense, in-process research and development charges, certain termination and legal costs, costs related to Cadence's withdrawn proposal to acquire Mentor Graphics Corporation and losses on the sale of Mentor Graphics Corporation shares, integration and acquisition-related costs, gains or losses and expenses or credits related to non-qualified deferred compensation plan assets, executive severance payments, restructuring charges and credits, losses on extinguishment of debt, equity in losses (income) from investments and write-down of investments. Intangible assets consist primarily of purchased or licensed technology, backlog, patents,

trademarks, distribution rights, customer contracts and related relationships and non-compete agreements. Non-GAAP net income or net loss is adjusted by the amount of additional taxes or tax benefit that the company would accrue if it used non-GAAP results instead of GAAP results to calculate the company's tax liability.

Cadence's management believes it is useful in measuring Cadence's operations to exclude amortization of intangible assets, in-process research and development charges and integration and acquisition-related costs because these costs are primarily fixed at the time of an acquisition and generally cannot be changed by Cadence's management in the short term. In addition, Cadence's management believes it is useful to exclude stock-based compensation expense because it enhances investors' ability to review Cadence's business from the same perspective as Cadence's management, which believes that stock-based compensation expense is not directly attributable to the underlying performance of the company's business operations. Cadence's management also believes that it is useful to exclude restructuring charges and credits. During the fourth quarter of 2008, Cadence commenced a restructuring program that it expects to complete in the second half of fiscal 2009. Cadence's management believes that in measuring the company's operations, it is useful to exclude any such restructuring charges and credits because Cadence does not undertake significant restructuring on a regular basis, and exclusion of such charges permits consistent evaluations of Cadence's performance before and after such actions are taken. Cadence's management also believes it is useful to exclude executive severance costs and certain termination and legal costs as these costs do not occur frequently. Cadence's management believes it is useful to exclude gains or losses and expenses or credits related to the non-qualified deferred compensation plan assets as these gains and expenses are not part of Cadence's direct costs of operations, but reflect changes in the value of assets held in the non-qualified deferred compensation plan. Finally, Cadence's management believes it is useful to exclude the equity in losses (income) from investments and write-down of investments, as these items are not part of Cadence's direct cost of operations. Rather, these are non-operating items that are included in other income (expense) and are part of the company's investment activities.

In the third quarter of 2008, Cadence's non-GAAP net loss also excludes the impact of tax expense associated with Cadence's repatriation of foreign earnings. Cadence's management believes it is useful to exclude the tax expense associated with the repatriation of foreign earnings as it resulted from an event which is not expected to occur frequently.

In the third quarter of 2008, Cadence's non-GAAP net loss also excludes costs related to Cadence's withdrawn proposal to acquire Mentor Graphics Corporation and losses on the sale of Mentor Graphics Corporation shares Cadence acquired as part of the proposed acquisition. Cadence's management believes that in measuring Cadence's operations it is useful to exclude the costs and the losses associated with this proposed acquisition as these items are not directly related to Cadence's operating performance and resulted from events which are not expected to occur frequently.

Cadence's management believes that non-GAAP net income or net loss provides useful supplemental information to Cadence's management and investors regarding the performance of the company's business operations and facilitates comparisons to the company's historical operating results. Cadence's management also uses this information internally for forecasting and budgeting. Non-GAAP financial measures should not be considered as a substitute for or superior to measures of financial performance prepared in accordance with GAAP. Investors and potential investors are encouraged to review the reconciliation of non-GAAP financial measures contained within this press release with their most directly comparable GAAP financial results.

These tables reconcile the specific items excluded from GAAP net income or net loss and GAAP net income or net loss per diluted share in the calculation of non-GAAP net income or net loss and Non-GAAP net income or net loss per diluted share for the periods shown below:

Investors are encouraged to look at the GAAP results as the best measure of financial performance. For example, amortization of intangibles or in-process technology are important to consider because they may represent initial expenditures that under GAAP are reported across future fiscal periods. Likewise, stock-based compensation expense is an obligation of the company that should be considered. Restructuring charges can be triggered by acquisitions or product adjustments, as well as overall company performance within a given business environment. Losses on extinguishment of debt can be incurred on remaining convertible notes. All of these metrics are important to financial performance generally.

Although Cadence's management finds the non-GAAP measure useful in evaluating the performance of Cadence's business, reliance on this measure is limited because items excluded from such measures often have a material effect on Cadence's earnings and earnings per share calculated in accordance with GAAP. Therefore, Cadence's management typically uses the non-GAAP earnings and earnings per share measures, in conjunction with the GAAP earnings and earnings per share measures, to address these limitations.

Cadence's management believes that presenting the non-GAAP measure of earnings and earnings per share provides investors with an additional tool for evaluating the performance of the company's business, which Cadence's management uses in its own evaluation of performance, and an additional baseline for assessing the future earnings potential of the company. While the GAAP results are more complete, Cadence's management prefers to allow investors to have this supplemental measure since it may provide additional insights into the company's financial results.

Cadence expects that its corporate representatives will meet privately during the quarter with investors, the media, investment analysts and others. At these meetings, Cadence may reiterate the business outlook published in this press release. At the same time, Cadence will keep this press release, including the business outlook, publicly available on its Web site.

Prior to the start of the Quiet Period (described below), the public may continue to rely on the business outlook contained herein as still being Cadence's current expectations on matters covered unless Cadence publishes a notice stating otherwise.

Beginning December 19, 2008, Cadence will observe a Quiet Period during which the business outlook as provided in this press release and the company's most recent Annual Report on Form 10-K and Quarterly Report on Form 10-Q no longer constitute the company's current expectations. During the Quiet Period, the business outlook in these documents should be considered to be historical, speaking as of prior to the Quiet Period only and not subject to any update by the company. During the Quiet Period, Cadence's representatives will not comment on Cadence's business outlook, financial results or expectations. The Quiet Period will extend until the day when Cadence's Fourth Quarter and Fiscal Year 2008 Earnings Release is published, which is currently scheduled for February 4, 2009.

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ESI Group Sales for the Third Quarter of 2008/09 - Strong Growth in Services

11 December 2008

ESI Group announced its consolidated sales for the third quarter ended 31 October 2008 and for the first nine months of its 2008/09 financial year.

Sales in the third quarter of the 2008/09 financial year totalled €13.4 million, representing year-on-year organic growth of 3.8%. Exchange rates were much more favourable than in the first half, and so the currency effect on revenue was negligible.

Organic growth remained very strong in the Services business, which generated sales of €4.3 million in the third quarter, representing a 16.9% increase relative to the €3.7 million seen in the year-earlier period.

As a result, and taking into account the fact that Licence sales are traditionally weaker in the third quarter of the year, Services accounted for 32.3% of total sales in the third quarter of 2008/09, up from 28.7% in the third quarter of 2007/08.

Sales in the first nine months of the year rose by 5.2% to €42.7 million, with volumes up 7.9%. All of this growth was organic. The Services business made a major contribution to this growth, with volumes up 18.9% and revenue up 17.3% to €12.3 million. Licence sales rose by 1.0%, with volume growth of 4.0%. Strong repeat business from the installed base: Repeat business accounted for 76% of sales in the first nine months of 2008/09, versus 71% in the year-earlier period. This reflects the ongoing heavy volume of licence renewals from main OEMs. The portion of sales from new business fell by 3 points from 29% to 26%. This could denote a lack of visibility among suppliers.

The geographical breakdown of sales was almost unchanged in the first nine months: 15% from the USA, 45% from Europe and 40% from Asia (15%, 43% and 42% respectively in 2007/08).

Recent events: acquisition of the Vdot software platform

On 1 December 2008, ESI Group announced the acquisition of Vdot, a US software platform focused on development process management. Vdot adds an essential component to ESI Group's VisualDSS product, ensuring the synchronisation and real-time updating of actions taken by each participant in a project, and allows rapid and reliable decision-making as part of the PLM (Product Lifecycle Management) process.

The terms of the deal take into account the current uncertainties about the global economy, and do not damage the Group's solid financial position.

Alain de Rouvray, Chairman and Chief Executive Officer of ESI Group, made the following comments: "Although the third quarter of the year is traditionally not a critical one given the seasonal variations in our business, our sales figures confirm the trend seen in the last two years, i.e. the increasing contribution of high-value-added Services to our overall sales. These Services encourage the use of our solutions, and assist customers in implementing them. Although there has been major disruption to the global economy, our main customers – including carmakers – have shown a high level of confidence in our Virtual Prototyping solutions, which deliver major benefits in terms of productivity and competitiveness. As usual, therefore, we expect our sales to show significant seasonal variations, with most sales coming in the fourth quarter, barring unexpected events arising from the economic situation."

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IGE+XAO Group Turnover for the first quarter of 2008/2009

12 December 2008

The IGE+XAO Group announced the following:

Over the 1st quarter 2008/2009, IGE+XAO showed a 7.1% increase in turnover compared with 5.3% and 2.6% respectively in 2007/2008 and 2006/2007. This increase is all the more significant as it was registered in the context of a tense economic situation.

In trading terms the quarter was marked by the announcement of the signing of a major contract relating to the Group's Electric PLM (Product Lifecycle Management) solutions, which will have consequences for this financial year and the next.

In research and development, IGE+XAO increased its software design and development abilities with, among other things, the operational launch of two subsidiaries situated in Morocco and Tunisia respectively.

In addition, the Group has strong fundamentals with equity capital of 16.6 million Euros, virtually no bank debt and cash of nearly 13 million Euros at 31 July 2008.

Over the financial year IGE+XAO Group plans to continue its market strategy aimed at increasing turnover while retaining a high level of profitability.

Finally, and in accordance with IGE+XAO policy, the Board of Directors reminds that at the Annual General Meeting on 30 January 2009 it will recommend increasing the payment of dividends to 0.26 € gross per share compared with 0.22 € gross the year before.

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Implementation Investments

Dassault Aviation Signs Memorandum of Understanding with INCAT and Tata Technologies

8 December 2008

Dassault Aviation and INCAT's parent company, Tata Technologies, have signed a Memorandum of Understanding (MoU) for ESO services. Under the terms of the MoU will provide Dassault Aviation with Engineering Services in a number of critical domains, in support of the Indian Air Force MMRCA program, which involves significant offset requirements.

INCAT has been selected as a key offset partner for ESO delivery to help fulfill these offset requirements.

Utilizing INCAT's Global Delivery model, the services will be delivered largely from the recently established INCAT HAL Aerostructures Limited (IHAL) dedicated aerospace engineering services centre in Bangalore, India, and backed up by INCAT's delivery teams in France and the U.S.

The agreement is testament to INCAT's expertise in the aerospace market and its commitment to growing this capability in India as evidenced by the recent joint venture with HAL. Eric Trappier, Executive Vice-President International of Dassault Aviation says: "It is essential to find partners with the right expertise and experience in both aerospace engineering and working in India. INCAT and Tata Technologies have proven credentials in both these areas."

Lokesh Srivastava, CEO of IHAL, comments: "This MoU marks a significant milestone since the formation of IHAL and is a sure sign of the solid demand for our services."

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Delcam's ArtCAM Makes Intricate Carving Easy

11 December 2008

Shanfari Trading & Furnishing Co (STFC) has found that intricate carvings can be made easily since the company acquired Delcam's ArtCAM Pro software. Mr Sulemain, General Manager at STFC, believes that the decision to use ArtCAM Pro has paid rich dividends for his company. He has purchased two more routing machines during recent years, while he is full of praise for the support his company receives from Delcam's Middle East office.

STFC is a part of the Shanfari Group of companies, one of the largest groups of its kind in the Sultanate of Oman and even the Middle East. It has undertaken woodworking projects for the Divan of the Royal Court and also for museums throughout Oman for the last twenty-five years. It has also provided its services for interior design and other turnkey projects to palaces, commercial properties, high-profile villas and hotels.

Mr. Sulemain recalled the events that led to the purchase of ArtCAM Pro back in 1999. "We had just purchased our first CNC router and needed some three-axis software capable enough to generate intricate 3D carvings and their respective toolpaths." He had invited various software suppliers, including Delcam Middle East, to give a presentation on their products, focusing on how the software solution would be used to design the carvings and then to machine them. After watching the demonstration of the ArtCAM Pro software, Mr. Sulemain and the staff at STFC were convinced that it could solve all their existing issues concerning generation of the most intricate shapes, including the V-carving used for the palace doors.

Mr Hari, in charge of the CNC department, was particularly impressed with the ease of toolpath generation for intricate 3D carvings and the short learning curve. Within one week, his CNC operators had learnt how to generate the toolpaths for even the most complex carvings.

More recently, STFC has been using its ArtCAM Pro software to program the newly-acquired twin-table, four-spindle, Homag routing machine. With the Reichenbacher twin-table, four-spindle machine and a Fanuc-based, twin-spindle system, this takes the total number of machines at the company to three.

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Global Finishing Solutions Selects IFS Applications to Manage Complex Projects

11 December 2008

IFS announced that Global Finishing Solutions (GFS) has selected IFS Applications for total visibility and control of its heavy project-based business. GFS is a leading manufacturer of paint booths and finishing systems for industrial coating applications, automotive body shops, trucks and large equipment, and the aerospace industry.

Global Finishing Solutions' leadership team recognized that their business' growth had created an overwhelming need for a different and more reliable enterprise resource planning (ERP) solution. GFS'

current ERP system stored critical business data in external documents that were difficult to maintain and accurately share. Furthermore, GFS' customer relationship management tool did not address the needs of its complex manufacturing model. So GFS turned to IFS Applications to provide a solution.

"IFS was chosen because of the breadth and depth of the software," Global Finishing Solutions Business Process Analyst Steve Simon said. "IFS Applications closely matched our operational needs. Our decision was also influenced by IFS Applications' intuitive interface, the extensive linking capability of information throughout the system, best-practice process flows, and the willingness of IFS to respond to our requirements. It also helped that our sister company, Holland Company, has used IFS Applications for a number of years, allowing us to draw on their trusted first-hand experience."

Global Finishing Solutions selected IFS Applications components for Manufacturing, Distribution, Financials, Engineering, Services and Human Resources. These modules will be implemented at GFS' four locations - Osseo, Wisconsin; Monterrey, Mexico; Irving, Texas; and Barrie, Ontario.

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Hydroptère in the Race for the Outright Sailing Speed Record with Dassault Systèmes PLM

9 December 2008

Dassault Systèmes (DS) announced that l'Hydroptère will attempt to beat the outright sailing speed record with a pure speed version, redesigned and improved with Dassault Systèmes' CATIA. l'Hydroptère has already beat two world speed records and become the fastest sailing boat over one nautical mile and 500 meters, confirming its reliability and performance.

l'Hydroptère is a trimaran with foils or underwater wings that extract the boat's hulls from the water when a certain speed is reached. This considerably reduces the ship's hydrodynamic drag. For French navigator Eric Tabarly, two-time winner of the Ostar transatlantic race, it was only with the advent of the right technology and composite materials that Alain Thébault's l'Hydroptère was able to fly in 1994, thanks to Tabarly's support and a partnerships with several aerospace industry heavyweights. In October 2007, using CATIA, l'Hydroptère was reconfigured for pure speed in an attempt to beat the absolute speed record of 49.09 knots (91 km/h) over 500 meters.

"l'Hydroptère is a project that combines technology, performance and human adventure. Thanks to CATIA, considerable enhancements have been made to the high speed version of the trimaran increasing our chances of beating the absolute speed record by the end of this year," said Alain Thébault, designer and skipper of l'Hydroptère. "Dassault Systèmes and Transcat PLM in Switzerland provide our design team in Lausanne with invaluable support that along with the Dassault Systèmes solutions helps us improve the boat's performance and structural integrity."

Whenever weather conditions are favorable, Alain Thébault's team test runs the boat to monitor her behavior. Necessary adjustments are then made using CATIA. In addition, Hydroptère designers use DS yacht design methodologies and Solutions for Composites to perfect other projects' designs. They are currently implementing the recently announced Cenit Naval Architect module for precise weight, hydrostatic and stability calculations.

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IFS Wins Project Centric Defense Manufacturer Contract

9 December 2008

IFS announced that IFS Defence has received an order from a project centric defense supplier to provide IFS Applications licenses, services and maintenance & support with an expected total value of $6.8 million over five years.

The customer is one of the world's leading defense manufacturers. The new ERP system includes IFS Applications components for project control, manufacturing, inventory, purchasing and employee administration. Expected product revenue amounts to $6.2 million over five years, of which some $2.8 million will be reported as revenue to the IFS Group in the fourth quarter of 2008.

Aerospace & Defense is a targeted industry vertical for IFS. IFS' global capability is led by a dedicated business, IFS Defence Ltd, half of which is owned by the IFS Group. IFS Defence helps its customers and partners meet the future challenges of transformation through a low-risk, low total ownership cost, step-by-step capability evolution. IFS Applications' strength in enterprise asset management (EAM), maintenance repair and overhaul (MRO) and defense manufacturing is complemented by its fully integrated project tracking and product data management (PDM) capabilities.

IFS customers within the Aerospace and Defense industry include the US, British and Norwegian defense organizations as well as the Eurofighter consortium. Commercial MRO shops and operators include Finnair, Bristow Helicopters, Aero-Dienst GmbH, Hawker Pacific, and Jet Turbine Services. In addition, IFS provides solutions to original equipment manufacturers (OEMs) such as Lockheed Martin General Dynamics, BAE Systems, Saab, and GE Transportation. More details can be found at http://www.ifsdefence.com.

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ISCAR Chooses PLM Solutions from IBM and Dassault Systemes to Optimize Global Design Data Management

9 December 2008

IBM and Dassault Systèmes (DS) announced that ISCAR, a worldwide supplier of precision carbide metal working tools, has chosen their ENOVIA SmarTeam and CATIA Product Lifecycle Management (PLM) solutions. By using ENOVIA SmarTeam to create a unified environment for managing its CATIA digital design data, ISCAR is enabling all users across departments, from engineering to manufacturing, to participate in collaborative product development processes.

ISCAR, part of the IMC Group, is leveraging the DS PLM solution to accelerate design cycles and enhance product quality by improving management of its 3D design data and streamlining design approvals. ISCAR's success to date illustrates the value of a combined CATIA and ENOVIA SmarTeam solution for large-scale, sophisticated engineering environments, requiring high stability, scalability and extended functionality for their concurrent design requirements.

To achieve these design-related goals, ISCAR chose to deploy ENOVIA SmarTeam's collaborative engineering solution to support advanced CATIA design-to-manufacturing processes. The new concurrent design environment will span all CATIA V5 and SmarTeam seats across the company's sites worldwide.

"We chose ENOVIA SmarTeam for its excellent integration with CATIA," said Moshe Rudko,

manager, Engineering Information Technology (EIT) division, ISCAR. “By expanding our 3D design solution to gain greater control and efficiency, we shorten our design cycles and improve product quality by closing the product development loop through to integrated downstream manufacturing processes.”

Most ISCAR design and production engineers are CATIA users. ENOVIA SmarTeam is facilitating real time collaboration, product and knowledge re-use, usage of up-to-date data and automation of downstream manufacturing operations, such as integration with the computerized numeric control (CNC) system that controls the robots on plant floor. ISCAR is taking advantage of the seamless CATIA – ENOVIA SmarTeam solution, the revision life cycle management expressed in CATIA icons and commands, and the ENOVIA SmarTeam links management that facilitates complex design-in-context designs.

"For ISCAR, key challenges involve maintaining profitability while delivering a product on time without losing focus on product innovation and quality. These are all major challenges for leading industrial companies, said Angel L. Blanco Diaz, PLM solutions leader, IBM. “ISCAR understands the business benefits that advanced design collaboration can bring. We are confident that our solution will make an ongoing contribution to companies across all industries as they sharpen their competitive positioning and market leadership for next year.”

“The ENOVIA SmarTeam – CATIA solution is the best solution on the market for powerful, rapidly implemented, collaborative management of CATIA data,” said Andy Kofoid, vice president, ENOVIA, Dassault Systèmes.

Yael Software, a DS Value-Added Reseller with particular expertise in CATIA and ENOVIA SmarTeam implementations, is helping ISCAR with all aspects of the implementation and user training.

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

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KEL and Proficiency Translating Legacy CAD for Large Japanese Automobile Manufacturer

9 December 2008

Proficiency announced that it has entered a partnership with Kanematsu Electronics Ltd. (KEL), a leading IT provider based in Tokyo, to translate legacy CAD models for a large Japanese automobile manufacturer.

The work will be performed by KEL’s service team using Proficiency’s patented technology solutions of Collaboration Gateway™ and Completion Wizard TM. Up to 95% of the translation can be automated with the final portion being completed using an interactive guided process that makes sure that corporate standards are maintained. This process was thoroughly tested and found superior to other alternatives in both quality and cost, including re-mastering through offshore engineering services.

This new process allows the automobile manufacturer's engineers to spend time on innovation and new products rather than translating legacy data or managing offshore resources that are inefficient and costly when considering the overall time and inaccuracies from free form human re-mastering.

“We strive to respond to the rapid changes in the market and the needs of our clients,” said Yukihiro Kawana, Director, Sales Unit (Div 2 & Div 4) of KEL. “Proficiency’s solutions are state of the art in CAD interoperability and allow us to deliver a much needed engineering service in the Japan

marketplace."

"We are pleased to have a partner like KEL who is recognized for providing superior IT services to the Japanese market," said Alex Shapira, President and CEO of Proficiency. "We look forward to partnering with KEL on other projects to expand our market reach in the area."

About Kanematsu Electronics (http://www.kel.co.jp)

Kanematsu Electronics Ltd., (KEL), established in 1968, is a leading IT provider based in Tokyo. KEL designs and implements information systems and supplies operation and consulting services for businesses based on KEL's expertise in information technology. KEL imports, retails, leases, maintains and develops IT systems products and software.

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PTC CoCreate Cites Momentum in Special Machinery Segment During Fiscal 2008

9 December 2008

PTC announced increased momentum for its CoCreate® products in the special machinery segment during fiscal year 2008. CoCreate is the explicit 3D CAD modeling and data management software that provides companies with a lightweight and flexible approach to designing products. During 2008, PTC saw a growing number of special machinery manufacturers standardize on CoCreate to meet their product design requirements. Additionally, many CoCreate customers returned to active license support, which also contributed to the strong finish the PTC product family achieved this fiscal year.

Among US companies standardizing on the CoCreate explicit modeling software is California-based American Wave Machines (AWM) Inc. AWM develops artificial wave technology that replicates real ocean surfing. AWM's SurfStream™, the world's first surfable wave pool, is a technology breakthrough for the water park industry. CoCreate Modeling® gives designers the flexibility to modify SurfStream models to fit the dimensions of individual hotel, resort, water park and sports exhibition facilities. With CoCreate Modeling, expensive physical prototyping has been replaced with virtual 3D prototyping, which has reduced time-to-market and improved sales presentation effectiveness. "Our product is very unique and highly specialized, requiring multiple design iterations," said Bruce McFarland, founder, president and CEO, American Wave Machines. "With the CoCreate explicit modeling approach, I can easily modify a design and reissue prints in a matter of hours. CoCreate reduces the time from design to manufacture, enabling us to be responsive to frequent changes without lengthening the development cycle."

Japan-based, Chinontec, headquartered in Nagano, designs and produces optical units for major optical instrument manufacturers. To increase competitiveness and accomplish its business initiatives to reduce time-to-market and reduce costs, Chinontec streamlined its product development process by deploying CoCreate Model Manager™ in its tooling and molding department. With CoCreate Model Manager, Chinontec designers can manage CoCreate models, locate existing data for reuse and ensure that team members are accessing the most current version of the model.

Chinontec has already expanded on-site use of CoCreate with plans for enterprise-wide deployment, which will centralize model data from all development locations, enhance data sharing and significantly increase data reuse for optimal productivity. "CoCreate Model Manager provides our designers with up-to-date revisions of design data across the development team, ensuring the integrity of the design and preventing design changes from impacting other team members' work," said Atsushi Shiba, director,

engineering dept, unit business division, Chinontec Industries, Inc. "Additionally, the ability to reuse existing parts and design data for new projects has resulted in lower costs, reduced time-to-market and improved product quality."

Paatz Viernau GmbH, based in Viernau, Germany, operates a highly modern machinery park for production of its portfolio, which includes multi-spindle drill heads and units for vehicular motors and special machinery. Paatz implemented PTC CoCreate to offer its customers speed and flexibility in design. "The PTC CoCreate product family is essential for our success," said Achim Petter, CAD administrator at Paatz. "Every job is unique and, in this business, we can't plan in advance. Changes up until the last minute are the rule." The CoCreate explicit modeling approach to design allows for quick and flexible changes in every phase of the development process.

Paatz manages its 3D data with CoCreate Model Manager. Custom projects involve many team players, making the efficient organization and control of the design data extremely important. CoCreate Model Manager offers high performance functionality such as versioning, partial load, and model comparison. Automatic status and real-time notification of changes made to a model make it easy for numerous designers to work on models in parallel and eliminate the danger that someone works off an old version. "With CoCreate, we can respond quickly and efficiently to time-critical design demands," said Petter. "We could never imagine working without the explicit modeling approach of CoCreate Modeling or developing custom products in a team without CoCreate Model Manager. Explicit modeling is exactly the right design approach for our projects."

"Flexibility to respond to unexpected changes and speed of iteration are critical to the success of companies challenged with short design cycles and pressure to quickly create product designs in highly specialized markets," said Martin Neumüller, CoCreate product management director, PTC. "CoCreate provides the capabilities that help streamline the design process and improve collaboration among design teams. This increased efficiency helps to shorten time-to-market and strengthen competitive advantage."

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PTC Helps SEAT Sport Win FIA World Touring Car Championship

8 December 2008

PTC announced that SEAT Sport, the motor sport division of the Spanish car manufacturer SEAT based in Barcelona, has won this year's FIA World Touring Car Championship (WTCC) in a car developed with PTC software. Body, chassis and engine of the popular SEAT Leon were redesigned and optimized using PTC's Product Development System (PDS), including its integrated 3D CAD/CAM/CAE software, Pro/ENGINEER, and content and process management software, Windchill. Thanks to PTC's technology, SEAT Sport has experienced continuous improvement of the cars' performance over the last years, winning the Driver's and the Manufacturer's titles in 2008 for the first time.

The FIA WTCC is similar to Formula One, but for real world cars that have to be produced in at least 25,000 units a year. To safeguard competition among manufacturers and restrict development costs, regulations of what components may be changed and to what extent are stricter than in any other FIA competition. Form and thickness of the shell, for instance, have to be identical to the commercial car, though it is permitted to improve aerodynamics. The components of a suspension may be substituted by similar parts of different materials, but the structural concept has to be the same. The new 280 hp 2000cc turbo diesel engine, must be taken from serial production, but moving parts such as crankshafts,

flywheels, pistons, etc., may be fine-tuned to enhance performance and reliability.

"Adapting an existing production car to the WTCC specifications within only a few months requires close collaboration between engine, transmission, body and chassis specialists. It is quite similar to the normal development process in the automotive industry, but under the constraints of time pressure and limited resources", said Benoit Bagur, chief engineer of SEAT Sport. "We can not afford to have specialists and specialized tools for every task. And, we need tools that are easy to use, so that we can get our team up to speed in no more than a week of training. For this reason, we decided to use the PTC software for all our work rather than the toolset used for commercial production for this specific model."

Engineers at SEAT Sport relied heavily on Pro/ENGINEER to redesign the engine and suspension, to create the tubular structure that reinforces the cockpit and to model the complex free form surfaces of wings and body components destined to enhance the aerodynamics. All critical components were simulated under worst case conditions, using the closely integrated thermal and structural analysis tools. The unique capabilities in the Pro/ENGINEER Behavioral Modeling Extension (BMX) allowed them to optimize the geometry of some parts under physical constraints such as weight and mass inertia in a matter of minutes. "PTC's Product Development System has strongly contributed to shorten our design iterations and to get things right the first time. It allowed us to bring a competitive car to the circuit in only five months", said Jaime Puig, managing director of SEAT Sport.

"We congratulate WTCC champion Yvan Muller, his driver colleagues in the WTCC team and the whole SEAT Sport organization on this double victory which reflects the improvements achieved over last year when they were placed second in the Driver's and Manufacturer's competitions. These improvements would have been impossible without the dedication of the many engineers who made the Leon-based WTCC car even more competitive," said Marc Diouane, senior divisional vice president PTC Europe. "SEAT Sport's ongoing commitment to use the PDS for development and optimization of their WTCC car is just another example of how valuable the use of the PTC technology is to leading automotive companies around the world, struggling to manage the growing complexity and speed of product development."

About SEAT Sport

SEAT Sport, the motor sport division of Spanish car manufacturer SEAT, is based in Matorell near Barcelona. Founded in 1970 and reinitiated in 1985 after a five year break, it actually employs some 130 people with more than half of them working in R&D. SEAT started its activity in racing competition more than 30 years ago and has won many trophies and titles. This includes three consecutive titles at the World Rally Championships (WRC) in the 2-litre category, achieved with the Ibiza Kit Car. Since 2005, SEAT Sport participates in the FIA World Touring Car Championship (WTCC) which succeeded the ETCC and consists of eleven races in eleven countries on three continents. In 2008 the SEAT motor sport division has won the first place in the WTCC Manufacturer's competition and the first and second place in the Driver's ranking with Yvan Muller (first position) and Gabrielle Tarquini (second position). SEAT Sport has also achieved 12 victories, 1 hat trick and 5 doubles.

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Snecma Virtual Platform Project Will be Based on Siemens PLM Software's Teamcenter

9 December 2008

Siemens PLM Software has received an order from Snecma, SAFRAN Group, a world-class aircraft and space engine manufacturer, for delivery and implementation of its Teamcenter® software.

Teamcenter, Siemens PLM software's digital lifecycle management solution, has been selected by Snecma, following an extensive evaluation process conducted at its headquarters in France. Teamcenter will enable Snecma to increase global collaboration with partners and suppliers, thus enhancing its ability to better react to market demands and trends. The standardization of new-product-development practices will aid Snecma in reducing time to market. Each person involved in the product lifecycle process will now have access to a single source of information for products, processes and industrialization.

Snecma will deploy Teamcenter through three implementation phases over the next three years. When complete, the "Virtual Collaborative Platform" project (Plateau virtuel) at Snecma will include up to 2,000 Teamcenter users.

"The fact that an Aerospace & Defense industry leader like Snecma selected Teamcenter following an extensive evaluation process helps to validate Siemens PLM Software's world-class technology," said Helmuth Ludwig, president, Siemens PLM Software. "Siemens PLM Software has been selected as the preferred provider by numerous leading Aerospace & Defense companies worldwide, and this selection further strengthens our leadership in this industry."

About Snecma

Snecma, SAFRAN Group, is one of the world's leading manufacturers of aircraft and space engines, with a wide range of propulsion systems on offer. The company designs and builds commercial aircraft engines that are powerful, reliable, economical and environmentally friendly, along with military aircraft engines that have always delivered world-class performance. Snecma develops and produces propulsion systems and equipment for launch vehicles and satellites.

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STARC to Deploy Synopsys IC Compiler's Zroute and Clock Mesh Technologies in STARCAD-CEL

8 December 2008

Synopsys, Inc. announced that Semiconductor Technology and Academic Research Center (STARC) successfully evaluated Zroute and Clock Mesh, two new technologies found in the latest release of IC Compiler, Synopsys' physical implementation solution. With its unique architecture, Zroute delivers faster runtimes while improving quality of results in timing, area and manufacturability. Clock Mesh targets high-performance designs where tightly controlling clock skew is critical. After successfully evaluating the Zroute and Clock Mesh technologies, STARC is preparing them for deployment in STARCAD-CEL version 3.0. Scheduled for release in the first quarter of 2009, STARCAD-CEL v3.0 will help enable designers of complex, high-performance chips at advanced process nodes to meet their design goals.

"Our objective at STARC is to evaluate and include the latest technology advances in our reference flows so that member companies can achieve leading-edge performance goals," says Nobuyuki Nishiguchi, vice president and general manager, development department 1 at STARC. "In early evaluations of Zroute we saw significant improvements in routing such as up to 3.5X faster runtime and up to 20 percent reduction in via count. With Clock Mesh, we estimated lower skew and higher immunity to on-chip variation, both critical at 45 nanometers and below. And, as part of the IC Compiler 2008.09 release, Zroute and Clock Mesh are very easy to adopt in STARCAD-CEL v3.0."

Zroute's architecture includes advanced routing algorithms and concurrent DFM optimization for an

efficient trade-off between manufacturability and the traditional design goals of timing, area, power and signal integrity. In addition, Zroute's native multi-threading support is designed to take advantage of the latest multi-core computing systems to deliver near-linear scalability of runtimes. For designs at advanced process nodes, Clock Mesh generates a clock network that offers superior tolerance to variation due to the high redundancy stemming from its mesh architecture. Additionally, Clock Mesh achieves significant total clock skew reduction, helping enable the highest possible clock frequency, which is key for high-performance designs.

Zroute and Clock Mesh are available in the recently announced 2008.09 release of IC Compiler. This release provides faster runtimes across the board, leading to a 2X to 3X speed-up in overall turnaround time. The 2008.09 release also introduced new technologies such as enhanced design for manufacturability (DFM), lower power and signoff-quality incremental design-rule checking, all of which speed up design closure and improve Quality of Results (QoR).

"We are seeing strong demand by customers worldwide for IC Compiler's 2X speed-up and new technologies in 2008.09 release," said Antun Domic, senior vice president and general manager, Synopsys Implementation Group. "Our long-term collaboration with STARC allows us to continuously deliver the most advanced capabilities to its member companies through STARC's widely used design methodologies. We look forward to deploying Zroute and Clock Mesh, two of our latest technology advances, in STARCAD-CEL v3.0."

STARC is a research consortium of major Japanese semiconductor companies developing leading-edge system-on-chip (SoC) design methodologies.

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WITTE Automotive Implements Test-Data Management System with CIM DATABASE

3 December 2008

WITTE Automotive has implemented a company-wide test-data database with CIM DATABASE that has now transitioned into full service. It is based on the Project Management System of the PDM/PLM platform and enables the group to optimally comply with OEM customer and legal documentary requirements. This new solution replicates the complete testing cycle – beginning with planning and set-up through to execution and resultant data analysis – in a seamlessly documented manner, related to the project. The structured data repository and a full-text search engine warrant a concise overview and fast search results. CIM DATABASE’s access rights and workflow management system monitors both retrieval and modification of documents and warrants their validity.

In the course of a design project, WITTE Automotive tests products in regards to safety, endurance and functionality. The high quality demands are met by extensive testing cycles; e.g. a lock must still perfectly perform even after years of service and in all weather conditions.

A key element of all tests is the relevant test-trial-plan and its allocated itemized tests and test criteria, accompanying documents and accrued data. Now, all pre-defined test information may be indefinitely retrieved via an on-demand generated test-trial-plan. Furthermore, the test project structure allows the generation of a compact electronic reports folder (Multi-PDF) containing all related test documentation (office documents). Information access is monitored by CIM DATABASE’s project-specific access rights profile and a specified workflow, preventing, amongst other issues, a later modification of released and audit-bound documents.

Markus Schaffrick, head of IT Applications Management and therefore also responsible for the PDM/PLM environment within WITTE, is already highly satisfied with the intermediate results stemming from the ramp-up phase of the implemented solution. Utilization of a unified, clearly structured test-data database for documentary purposes results in obvious time and cost advantages for WITTE Automotive. Christof Köster, head of the testing department explains: „We can comply with our legal and customer's document auditing requirements involving much less time and effort than before and plan to further utilize the possibilities of CIM DATABASE in the future". It is planned to extend the new application in such a way, that it can be used to generate automated summary reports according to choice testing criteria.

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XMOS Adopts Magma's Talus IC Implementation Software to Develop 65-Nanometer Processors

8 December 2008

Magma® Design Automation Inc. announced that XMOS, the creator of Software Defined Silicon, has adopted Magma's Talus® implementation software. XMOS selected Magma's Talus Vortex and Talus Power Pro to develop the 65-nanometer XCore™ event-driven, multi-threaded processor after an extensive evaluation which proved the software's ability to accelerate turnaround time.

Magma's integrated IC implementation system provides key capabilities critical to taping out designs on time while meeting specifications. Scaled across multiple CPUs, Talus Vortex's multi-threading dramatically reduces runtime. Talus Power Pro seamlessly integrates into the flow to provide significant leakage reduction through the use of multiple threshold voltage (multi-Vt) cells. This streamlined flow, coupled with world-class support, will enable XMOS to reduce turnaround time considerably.

"The XMOS XCore simplifies and speeds multi-core design, enabling engineers to bring intelligence to a wide range of electronic products," said Mark Lippett, vice president of Engineering at XMOS. "Key to our success is getting new XMOS chips into the hands of our customers just as quickly as possible. In evaluating the Magma software we had to make sure adopting a new flow wouldn't slow us down. Magma's advanced implementation software proved to be the technology we need, that coupled with the expert local support they provide will allow us to quickly complete routing and tape out on time."

"With advanced capabilities such as multithreading and integrated low-power design technology, Talus Vortex and Talus Power Pro set new standards for predictability, productivity, manufacturability, scalability, flexibility and extensibility," said Kevin Moynihan, general manager of Magma's Design Implementation Business Unit. "XMOS' decision to adopt Talus highlights its ability to address today's toughest design challenges and tightest delivery schedules."

Talus: The Platform for Nanometer Design

Magma's Talus IC implementation software provides advanced capabilities for nanometer design within an integrated and highly automated RTL-to-GDSII flow. The front-end product allows logic designers to synthesize, visualize, evaluate and improve RTL code quality, design constraints, testability requirements and floorplan. Talus also integrates fast, full-featured, high-capacity predictable synthesis capabilities, full and incremental static timing analysis, and power analysis. Magma's physical design solution includes optimization, place and route, useful skew clock generation, floorplanning and power planning, RC extraction and a single, built-in incremental timing analyzer. Based on Magma's unified data model, this platform accurately predicts final timing before detailed placement, eliminates timing closure iterations and enables rapid design closure while taking into account nanometer effects such as

on-chip variation (OCV). By providing nearly 100 percent redundant vias, Magma offers greater reliability, plus improved manufacturing and full support for leading foundries' nanometer routing rules and parasitic technology files.

The Magma platform also includes advanced power optimization and management capabilities, and implements multiple power-saving design strategies to achieve maximum power reduction. The Magma system integrates low-power analysis and optimization engines throughout the entire RTL-to-GDSII flow. The system supports advanced techniques such as native multi-Vt, automated multi-voltage designs, adaptive voltage scaling using concurrent multicorner optimization and multi-Vdd, and physical implementation that meets leading foundries' nanometer dynamic and leakage power requirements.

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Product News

Cadence Unveils Next-Generation Parallel Circuit Simulator for the Verification of Complex Analog and Mixed-Signal IC Designs

11 December 2008

Cadence Design Systems, Inc. announced the availability of Cadence® Virtuoso® Accelerated Parallel Simulator (APS), its next-generation circuit simulator, with the full accuracy of the industry reference Virtuoso Spectre® Circuit Simulator, developed to solve the largest and most complex analog and mixed-signal designs across all process nodes. A key part of the Cadence Multi-Mode Simulation solution (MMSIM) 7.1 release, the new simulator consists of a combination of Cadence simulation technologies and a breakthrough parallel circuit solver, along with a newly architected engine that efficiently harnesses the power of multiprocessing computing platforms. The result is a circuit simulator with an accuracy and use model identical to the Virtuoso Spectre Circuit Simulator, delivering significantly improved single-thread performance and scalable multi-thread performance.

The Virtuoso Accelerated Parallel Simulator improves convergence and capacity for designs with hundreds of thousands of transistors, reducing design and verification time in most cases from weeks to hours.

"We are pleased to find a next-generation simulator on the market that can keep pace with our performance requirements for top-level simulation of custom digital and analog designs, such as a DC-DC converter," said Helmut Schweiss, director of new business start-ups at ON Semiconductor. "The Virtuoso Accelerated Parallel Simulator delivered a 20.6 times performance boost over traditional SPICE simulators, which enabled us to verify and detect multiple design issues, and meet our critical tapeout deadline. This would not have been possible otherwise, and eliminated unwanted surprises during our silicon verification."

The Virtuoso Accelerated Parallel Simulator addresses performance and capacity challenges that occur when designing and verifying large tightly coupled and post layout analog and mixed-signal blocks and subsystems, where solving the circuit structure is a bottleneck in simulation. The new simulator delivers exceptional performance, and is significantly faster than the traditional SPICE circuit simulators for pre and post-layout analog blocks and mixed-signal designs. This greatly improves IC designers' productivity by completing most simulation tasks within the same work day and enables verification tasks that would otherwise be impractical, leading to greater confidence in first-pass silicon success.

The Virtuoso Accelerated Parallel Simulator has been extensively tested with hundreds of customer designs and validated by more than 20 industry-leading accuracy against most importantly customers on performance, capacity, and the industry's standard, Virtuoso Spectre Circuit Simulator. These customers have tested the new simulator on almost every type of analog and mixed-signal design, including Phase Locked Loops, Data Converters, Memory IPs, Power management circuits and several full-chip designs prior to tapeout. The Virtuoso Accelerated Parallel Simulator, combined with a modern multiprocessing computing platform and MMSIM's flexible token-based licensing model, delivers a powerful and cost-effective circuit simulator with significant focus on complex analog designs and mixed-signal IC verification.

"Productivity boost in our verification flow is a critical requirement and we are very encouraged to see a next-generation SPICE simulator on the market that can handle large, complex designs we are creating," said Raed Moughabghab, director of the Mixed Signal Design Group at Entropic Communications. "We validated Virtuoso Accelerated Parallel Simulator on our existing design and realized a 2.5 times performance over Spectre with turbo, and 12.5 times performance over Spectre with a four-core compute platform, and plan to use it on the next design project."

The new simulator is compatible with existing Cadence simulation technologies, enabling customers to preserve investments made with Virtuoso custom IC platform without adoption barriers.

"Over the past eight months, we have introduced several compelling new simulation technologies," said Zhihong Liu, corporate vice president of research and development for circuit simulation and physical verification products at Cadence. "In April we brought a significant performance boost to the Virtuoso Spectre Circuit Simulator with our 'turbo' capability, and two months later we brought the turbo power to our RF simulation technology. The Virtuoso Accelerated Parallel Simulator is a significant addition to our Virtuoso Multi-Mode Simulation technology, serving as the simulation platform for a cost-effective, scalable and reliable solution for teams whose large, complex analog designs pose some of today's greatest design challenges and verification bottleneck."

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Delcam Releases DentCAD for Dental Design

8 December 2008

Delcam has launched DentCAD, a new computer-aided design program for the dental industry. DentCAD can be used for the fast, reliable creation of dental restorations, including copings, crowns and bridge frameworks.

It is expected that many companies will want to use DentCAD alongside Delcam's DentMILL program for dental manufacturing. However, in keeping with the company's "open" approach to its software, DentCAD can be used with any combination of scanner, machining software and computer-controlled machine tool.

The key benefit of DentCAD is that is easy to use and so is ideally suited to dental technicians that have no previous experience of computer-aided design. The whole process is based on a series of "Wizards" that guide the user through the entire design process.

A wide range of visualisation tools are available at every stage, including sectioning, shading and transparency options that allow detailed inspection of the shape being developed. This ensures that the results are exactly as required by the patient.

The system is also very flexible, so allowing different design options to be developed and compared. For example, key parameters like the margin line and the cement thickness can be varied and the computer model will automatically update to reflect the changes. In addition, sculpting tools let the user add or subtract material interactively, while the dynamic editing tools allow the complete model to be reshaped quickly and effectively.

Complete restorations can be designed within minutes of importing the scanned data. The complete design can then be supplied to DentMILL or another machining program for the manufacture of the item.

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ESI Group Announces CFD-ACE+ V2009.0

10 December 2008

ESI Group announced the release of CFD-ACE+ V2009.0. This version strengthens the modular and expandable design of CFD-ACE+ which offers users the highest level of flexibility. ESI Group's CFD-ACE+ enables coupled simulations of fluid, thermal, chemical, biological, electrical and mechanical phenomena for a variety of applications across a wide range of industries.

There are over 30 additions and improvements in the V2009.0 release across all applications.

Improved Fast Time Stepping (FTS) Performance

CFD-ACE+ V2009.0 has focused on the market's demands for reducing costs. Indeed, CPU costs of transient simulations can be reduced significantly using Fast Time Stepping by ensuring convergence of each time step within a few iterations. FTS was first implemented in V2008.2 and has now been improved to allow for auto time stepping. It has been extended to support additional modules including porous media, deforming grids and free surfaces (VOF).

Improved porous media with two-fluid capability

A major highlight of CFD-ACE+ V2009.0 is the improvement of the two-phase module with a new numerical formulation that is more robust and faster to converge. In addition, two-phase coupling allows the most accurate modeling of two-phase simulations in porous media regions. This new improvement enhances ESI Group's capabilities for Proton Exchange Membrane Fuel Cell (PEMFC) modeling and helps address common deficiencies of previous model formulations. This is a significant advancement for the simulation of fuel cell water management. Additionally, a large number of processes and applications can now be addressed efficiently using the enhanced two-fluid model.

Advanced front methodology for unstructured triangular surface meshing in CFD-GEOM

V2009.0 also includes advances in accuracy of the CFD-ACE+ solver and the mesh generation capabilities in CFD-GEOM. Indeed, the general purpose mesh generation tool CFD-GEOM has added advancing front surface triangulation to its already impressive set of surface meshing tools. Users can now select from Delaunay triangles, advancing front triangles, quad morphing, or quad paving algorithms. ESI Group wants to give to users the ability to select the best surface mesh type for the specific application. Other CFD-GEOM improvements include remeshing of discrete surfaces and boundary layer generation from discrete surfaces which make working with existing (legacy or 3rd party) meshes easy.

CFD-ACE+ V2009.0 also offers – ESI CFD Mobile support – providing remote access to CFD-ACE+

core applications (CFD View and CFD GUI). Indeed, ESI CFD Mobile allows engineers and managers to have handheld access to their post-process solutions remotely from their iPhone or iPod Touch.

"Release V2009.0 includes more than 30 new features and enhancements, including significant advances for our Fuel Cell, Energy, and Electronics industry customers. This release comes just six months after the last major CFD-ACE+ release, thus underscoring our commitment to quickly addressing market requirements," said ***Joseph Strelow****, Director of Design and Analysis Simulation at ESI Group. "With the increased usability, robustness, and accuracy V2009.0 provides, we are confident the market will recognize the enhanced value provided by the CFD-ACE+ toolset," he continued.*

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Intergraph® Releases New Piping Design Solution for Small Projects

9 December 2008

Intergraph® has released its newest SmartPlant® Enterprise solution for producing industry-standard pipeline isometric drawings for small piping projects. The most recent version of Intergraph's piping isometric sketching software increases engineering productivity with expanded capabilities, including a SmartPlant-style user interface, concurrent engineering of multi-pipelines, instant 3D visualization, display of dimensions, and enhanced selection and editing tools.

SmartPlant Isometrics is a next-generation tool offering many new features and improvements, making it more productive and superior to its predecessor. The new SmartPlant Isometrics solution for small projects is complementary to SmartPlant 3D, which is suited for larger, more complex piping design projects. Both piping design solutions are powered by ISOGEN®, the de facto standard solution used to generate piping isometrics completely and automatically.

Formerly known as I-Sketch, SmartPlant Isometrics now enables users to:

- Design several unconnected pipelines within one session and produce pipeline isometric drawings for each
- Create an instant 3D scaled view of pipelines, enabling new pipelines designed in a confined location to be visually clash checked with existing pipelines
- Design complete connected piping systems and produce piping system isometrics

SmartPlant Isometrics is an ideal tool for a small plant-based engineering office. It can be used to implement small piping design projects, to bring existing designs up to as-built status and to maintain accurate plant documentation.

Based on ISOGEN technology, the industry standard for automatic generation of piping isometrics, SmartPlant Isometrics helps users to sketch piping systems in only minutes and generate isometric drawings with full bills of materials (BOMs) in seconds. This is an improvement alternative to conventional 2D CAD packages or paper and pencil where drawing isometrics usually takes several hours and BOMs are frequently inaccurate or missing. The results provide substantial cost savings and productivity gains in piping isometric production. Once designed, the digital data (drawing, materials, welding, pipe cut lengths, etc.) can be transferred to the pipe fabricator – where it can be processed to define the fabrication spools and drawings using its companion product SmartPlant Spoolgen®.

Andreas Böing, Project Manager at Hertel-Enning, one of the leading German companies in the piping systems and plant construction sector, said, "We look forward to the additional features that SmartPlant

Isometrics will provide us. After comprehensive tests Hertel-Enning is convinced that our company group can certainly benefit from the ability to handle multiple pipelines and piping systems from the P&ID through design, fabrication and construction into plant operations."

Gerhard Sallinger, president, Intergraph Process, Power & Marine, said, “This release represents the culmination of a dedicated effort to provide new functionality and integrate SmartPlant Isometrics into the SmartPlant Enterprise. We are fully committed to developing industry leading technology, and SmartPlant Isometrics fits that role quite well for sketching piping systems and generating piping isometrics and BOM’s.”

SmartPlant Isometrics is a seamless upgrade to existing I-Sketch users and will be free of charge to customers with current maintenance agreements.

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IronCAD, LLC Releases IRONCAD Version 11.0

8 December 2008

IronCAD, LLC announced the release of IRONCAD Version 11.0. By combining history-based parametrics and direct geometry manipulation into a single modeling environment along with the customer driven requests, IRONCAD Version 11.0 gives designers and engineers design freedom and flexibility to get quality products to market faster.

IronCAD Version 11.0 and its accompanying bonus Gold Partner CD are available for immediate delivery. Shipments to existing customers will begin at the beginning of January 2009. An evaluation copy of the latest product version is available for download today from http://www.ironcad.com/. All new customers buying IRONCAD today will automatically receive Version 11.0.

“IRONCAD Version 11 is a significant step forward for the product, not only allowing users to operate on newer 64-bit and Vista platforms, but also delivering numerous features that have been requested by our user base and market to make our product more productive” commented Dr. Tao-Yang Han, president of IronCAD, “We have worked closely with our customers to find ways to simplify and streamline their design processes while strengthening our product to meet the needs of our market, and this release is a direct result of these efforts” he continued.

Many customer driven feature enhancements have been implemented in this latest version including these key items:

Assembly Performance Improvements with Load, Save, and Memory Usage

Support for 32-Bit and 64-Bit on both Windows XP and Vista

Many User Interface Improvements for Enhanced Productivity

Zoom to Selection for Quick Viewing and Centering of Selected Objects

Find in Scene Browser for Quick Locate of Selected Data

Search Browser for Advance Find Capabilities Within Scene Files

Many 2D Sketch Improvements in User Interface and Capabilities

Import/Export Improvements for Accuracy and Memory Reduction

True Thread Feature and Variable Pitch/Radius Helix Support

3D Positioning Improvements with the TriBall® Positioning Tool

Smart Assembly Improvements with Stronger Connection Options

Drawing Improvements Including Multiple Broken-Out Section Support

Advanced Rendering Catalogs Added to Enhance Realistic Renderings

Visibility Updates for Shadow/Reflection Planes and Real-time Shadows

Updated Import/Export Formats Including CATIA V5/UG/PRO-E

Updated Partner CD with Additional Third Party Add-on Applications

New Partner Programs - Algor DesignCheck Professional, Print3D and Softeacher

"IRONCAD Version 11.0 will greatly improve our productivity by providing many user oriented functionality items", commented Brian Buche, Technical Illustrator for Skyline Exhibits. "IronCAD made a conscious effort to listen to customer demands and they have really delivered in this release", he continued.

For a full detailed list of new features, visit http://www.ironcad.com/product.

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Lattice Technology Releases XVL Player V 9.2

8 December 2008

Lattice Technology, developers of digital manufacturing applications using the XVL® format, announced the availability of Version 9.2 of its XVL Player and XVL Player Pro products.

XVL Player is the company's Free 3D data viewer that enables designers, engineers and manufacturers to view 3D data and 3D animations, measure, cross-section and share XVL data at no charge. It is in use by more than 2000 companies worldwide. XVL Player Pro, available for a small fee, delivers additional, more powerful functions within the XVL Viewer environment. With this upgrade, both versions of the software deliver greater power and functionality to its users.

XVL is a lightweight 3D format that enables the industry's best 3D compression rates with no loss of accuracy of the data. With compression between 50 – 200 times smaller than original 3D data file size, designers needing to share and reuse massive 3D CAD assemblies can do so using XVL and retain very high accuracy of the data. XVL Player can also be embedded in other applications such as 3D BOMs, parts catalogs, PDM/PLM systems as well as customer applications developed using the XVL Player API. This allows lightweight 3D data to be used throughout the product lifecycle from digital mockup through to sales and service.

XVL data in 3D, including assembly animations, process instructions and simulations are created using Lattice Technology's XVL Studio products. The XVL Player allows free viewing of that data without requiring high end CAD systems or robust hardware platforms.

New features Include:

Improved Measurement of 3D data: 3D XVL data offers mathematically accurate measurement and a wide variety of dimensioning inside XVL Player. Improvements to this feature include the ability to measure the length of a continuous wireframe within a 3D part, and also the ability to measure the length of a profile. These functions are particularly useful for sheet metal design and production

planning.

Improved Cross-Sectioning Tools: Engineers using XVL Player can already rapidly check and view dynamic cross-sections of the 3D data. The cross-section function has been improved with the ability to move the cross-section cutting plane along the same direction of the user's View. This enables the user to view and observe the transition of the 3D profile without changing the view

The XVL Player is available free of charge at Lattice Technology's web site at http://www.lattice3d.com.

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Mastercam X3 Router CAD/CAM Software Now Includes Enhanced Part Nesting

November 2008

High yields can be crucial to a job's profitability. Mastercam Router includes essential nesting capabilities for parts and toolpaths that assure optimal material usage for highest possible yields.

Mastercam X3 Router now includes sophisticated interlocking nesting tools as standard part of the design and NC programming package. Highlights include:

- Directly place CAD model placement from a variety of sources
- Complete control over part-to-part distance, sheet margins, and more
- Nest any toolpath so that each part is cut exactly as you want it
- Part prioritization to make sure that the parts you need the most are nested first
- Grain direction accommodate on any part
- "Filler" part nesting to reduce waste
- Custom sheet definition
- Full control over part spacing and sheet margins
- Automatic interlocking nesting for maximum material use
- Group parts to ensure the entire set is always cut

Several upgrades to the sorting options have enhanced Mastercam's toolpath nesting. You now have more control over how nested parts are machined. Typically the order in which the parts are nested is the order in which they are machined. Mastercam nests larger parts first, and then fills in the remaining space with smaller parts. It also offers more features for sorting, including advanced cluster sorting.

Mastercam's nesting reports provide users a nested sheet report and individual part information. They have been reformatted from a text-based file to a PDF report that includes graphics.

Other features of Mastercam's nesting include:

- Separate toolpath nesting and geometry nesting
- Simplified parameter pages
- Infrequently used parameters segregated on a nesting configuration dialog
- Easy access to batch nesting via a toolbar button

- Added ability to import multiple external MCX files into toolpath nesting
- Improvements to rectangular nesting including the ability to save defaults, save scrap, and more.

For more information on Mastercam's nesting features, please visit http://www.mastercamrouter.com or contact your local Mastercam Reseller.

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Mentor Graphics Announces Capital Architect, a New Tool for Dynamically Optimizing the Physical Architecture of Vehicle EDS Systems

9 December 2008

Mentor Graphics Corporation announced the forthcoming availability of the Capital® Architect tool, the latest tool in the CHS™ product portfolio, a leading software suite for electrical system design. The Capital Architect tool is a graphical design tool that helps automotive OEMs and their suppliers minimize cost and/or weight of the electrical distribution system (EDS) by optimizing its physical architecture.

The Capital Architect tool offers companies rapid yet comprehensive analysis of multiple architectures. It is designed to assess the cost and weight impact of implementing the EDS in different ways regardless of design stage, including adding new electrical/electronic features to an existing vehicle.

The Capital Architect tool improves efficiency and productivity by making it possible to dynamically evaluate and compare multiple architectures. On-the-fly EDS synthesis allows many architectures and implementation strategies to be quantitatively assessed. Because the Capital Architect tool is able to synthesize composite EDS designs, it is also possible to evaluate the impact of option and variant strategies. The Capital Architect tool compares alternative architectural scenarios within 'studies' and allows the results of several scenarios to be presented both graphically and numerically. Study results can be exported to Microsoft Office documents for further analysis and reporting.

"Capital Architect provides capabilities long sought by our customers. The industry has, until now, lacked tools to rapidly evaluate the physical implementation of architectures, especially in the context of options and variants. Studies have therefore been limited in scope and have resulted in excess long term vehicle costs," said Martin O'Brien, general manager for Mentor Graphics Integrated Electrical Systems Division. "The availability of Capital Architect is very timely as there is increased pressure on the automotive industry to reduce cost through management of electrical complexity, vehicle weight reduction and minimizing giveaways."

Product Availability

First customer shipment of Capital Architect is scheduled for Q1 2009. For product information on the CHS platform, contact your Mentor Graphics sales representative, call 1-800-547-3000 or visit http://www.mentor.com/electrical.

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Mentor Graphics Olympus-SoC Place-and-Route System Qualifies for TSMC 40nm Processes

11 December 2008

Mentor Graphics Corporation announced the qualification and immediate availability of its Olympus-

SoC™ place-and-route system for chip designs targeting TSMC's 40nm process. These include the efficient 40nm (LP) process for handheld and wireless devices, and the 40nm General Purpose (G) for performance-oriented CPU, GPU, game consoles and networking devices. Olympus-SoC provides a multi-corner, multi-mode driven IC implementation platform that concurrently optimizes timing, power, signal integrity, and manufacturing variability.

"We worked with Mentor Graphics to qualify Olympus-SoC for our 40nm process," said S.T. Juang, senior director of design infrastructure marketing at TSMC. "We are looking for a place and route system that can meet our requirements and pass our qualification process. All our requirements were met and we expect designers to benefit as they move to TSMC's most advanced production process."

In addition to being qualified by fulfilling TSMC's 40nm process requirements, Mentor's Olympus-SoC place-and-route system concurrently analyzes and optimizes for variations in process corners, manufacturing, and design modes. Based on patented multi-corner, multi-mode technology and an ultra-compact data model, it comprehensively addresses the performance, capacity, time-to-market, and variability challenges occurring at the leading-edge process nodes. Product highlights include adaptive variability engine, multi-corner multi-mode clock tree synthesis, DFM-driven routing, embedded signoff quality timing engine, multi-corner multi-mode signal integrity (SI), and advanced chip assembly capabilities. In addition, the Olympus-SoC system now provides task-oriented parallelism technology that allows timing analysis and optimization tasks to run in parallel to deliver up to seven times improvement in timing analysis run times, and up to four times improvement in design closure times using eight CPU cores. The solution is proven with multiple tapeouts in various application segments.

"TSMC is a critical partner for Mentor Graphics, and we've had great success working together to provide the most advanced solutions for physical verification, DFM, and DFT technologies, now qualified for Reference Flow 9.0," said Joseph Sawicki, vice president and general manager for the design-to-silicon division at Mentor Graphics. "The addition of our Olympus-SoC system completes Mentor's design-to-silicon flow for TSMC customers, giving them the most complete, robust and production proven IC implementation solution available."

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New Enterprise Search Solution for SharePoint Specializes In Engineering and Imaging Documents

9 December 2008

Elmo Solutions announced the official launch of Agni Enterprise Search Portal 2009 for SharePoint.

This Knowledge Management solution for SharePoint is an affordable enterprise search solution designed to meet the distinct needs of CAD and Engineering users and senior managers. It is designed to enhance efficiency and productivity by reducing the time spent by knowledge workers looking for CAD and imaging documents through highly accurate search results. It currently offers support for a wide range of document formats, including:

- AutoCAD (including vertical "flavors" of AutoCAD, such as AutoCAD Mechanical, Mechanical Desktop, AutoCAD Architectural, AutoCAD Electrical, Civil 3D, etc.)
- Dassault Systemes SolidWorks
- Autodesk Inventor
- JPEG

- TIFF
- GIF
- PNG
- WMF

This software solution is available as a free, fully functional, 30-day trial license for download directly from the Elmo Website at http://www.elmosolutions.com/agni_search_portal_download.html.

Agni Enterprise Search Portal 2009 for SharePoint was designed specifically to maximize document usability and reusability. It is has features such as the ability to display document thumbnails on the results pages, and the Elmo Solutions Super Ifilter for CAD and imaging, which enables indexing of supported document formats. The Super Ifilter will allow keyword extraction not only by the Agni Portal, but by any application running on the same server that uses Windows' Ifilters, such as Windows Indexing and Windows Search Services, thus making possible indexing of keywords of supported CAD and imaging documents for retrieval by Windows Explorer.

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New Release: hyperMILL® 2009.1

November 2008

With the latest release of its CAM system, OPEN MIND Technologies AG is setting the direction for future-oriented CAM programming. The NC programming system benefits from more process reliability, a better user interface and short manufacturing lead times – all with less programming effort even for complex workpieces. The new hyperMILL® 2009.1 from OPEN MIND Technologies AG sets the benchmark for the efficient and comprehensive CAD programming ranging from 2D to 5-axis applications.

As the link between design and production, the CAM system represents a major factor in process streamlining. hyperMILL® software from OPEN MIND Technologies AG implements a consistent process chain with uninterrupted workflows and reduced cycle times. The CAM expert offers a broad spectrum of CAD-integrated solutions and direct interfaces as well as powerful post-processing technology that is customized for each machine. The new release hyperMILL® 2009.1 has improvements and innovations in all areas ranging from 2D to 5-axis processing, including improved deep-hole drilling with feed motion reduction for cross-hole drilling, 3D roughing with minimal metal removal and as an all-in-one finishing process, an optimized rapid motion concept, the intelligent job link as well as new functions for simultaneous 5-axis milling. The new release makes all CAM programming steps even more efficient than before.

Optimized preparation: Broad spectrum of analytical functions

With hyperMILL® 2009.1 components can be checked quickly and easily for optimum job preparation and CAD programming, and with the new analytical tools the user can recognize manufacturing-relevant properties of design elements. A simple click brings up information about surface types, radii, coordinates and selection points. By clicking two elements, the user can check the distance between surfaces and points or the angle between two surfaces. Depth measurements are possible, too.

Production-relevant information such as tolerances or process types are displayed as standardized and color-coded tables which can now be stored in hyperMILL® 2009.1. They provide the user with easy

access to information about the drilling or other geometrical tolerances in the workpiece.

Efficient programming with a mouse click

Transformations provide new ways of reproducing the processing of identical, similar or symmetrical shapes quickly. Any changes in the original are instantly reflected in all “copies”. In addition, each parameter can be adjusted individually. As a special feature, the shifted and/or rotated programs can be checked for collisions with the finished part, which simplifies the programming of tombstone fixtures or multiple fixtures.

Mirroring is suitable for completely symmetrical parts such as left and right workpieces as well as for parts where only certain shapes are mirrored. Synchronized processes are maintained in the mirrored operations, and any changes in the original are automatically reflected in all mirrored versions. Individual parameter adjustments are possible too.

Reusing manufacturing know-how

The expanded job list in hyperMILL® 2009.1 makes it possible to arrange jobs in groups based on work steps, geometries, special positions or tool orientations. You can even combine or hide work steps. This feature makes managing projects with long job lists a lot easier.

With the new OPEN MIND tool database, you can map tools even more accurately than before. The graphical user interface ensures reliable definitions. You can map complete tools and even take connector types into account for a comprehensive collision analysis. Depending on the tool construction, the processing strategy and the material you can also store different technology parameters. The new tool database provides a comprehensive solution for efficient tool management. It also includes interfaces for connections to the databases of leading tool manufacturers.

2D milling: New strategies for best results

The new 2D contour milling offers significant potential for faster programming and shorter machining times. The automatic transportation strategies always select the best available path and the optimum starting point. A special feature is the automatic trimming of tool paths against the unmachined part, which optimizes the travel paths and avoids deadhead trips. In addition, the collision check against the milling area ensures maximum process reliability.

With playback milling you can execute very simple milling procedures by guiding the mouse pointer across the corresponding areas. The system displays the material removal for the selected cutter diameter and checks the milling path for collisions.

The perforation detection expands the pocket feature detection: In addition to closed pockets, pockets with islands and pockets with open sides, hyperMILL® 2009.1 now recognizes open pockets as well.

3D and 5-axis machining for faster programming and production

The production mode is a new function that minimizes the travel movements within a process. If certain areas are not machined, the production mode makes sure that they are circumvented along the shortest path and without collisions. This can shorten production times considerably, particularly for large parts on relatively slow machines.

For processing residual materials, a reference job can be selected instead of the reference tool. Afterwards, the system processes only those residual material areas that the reference job was unable to work on due to collisions. Another search for potential residual material areas is no longer necessary. These areas can be processed with 3D, simultaneous 5-axis simultaneous processing or fixed 5-axis

processing. Since the calculation is based on the areas previously determined by the reference job and only the toolpaths are recalculated, a different tool can be selected at any time. Additional restrictions with boundary of milling surfaces are no longer needed.

New functions in 3D residual material processing also provide speed improvements in hyperMILL® 2009.1. One of these involves defining a radius cutter as a reference tool for machining ribs and grooves. Deep sections with lots of material can now be cleaned out completely and effectively with a constant depth setting.

The 3D radius correction reduces the programming effort and makes it possible to maintain high tolerances, for example when a tool is used to mill multiple electrodes.

OPEN MIND Technologies AG is a Mensch und Maschine company (http://www.manandmachine.co.uk).

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Pilgrim Software Announces the Global Release of SmartSolve ® Version 8.2

8 December 2008

Pilgrim Software, Inc., a provider of Enterprise Compliance and Quality Management (ECQM) software solutions, announced the availability of SmartSolve® 8.2, the latest and most enhanced version of its process automation product. The latest version of Pilgrim's SmartSolve, a fully integrated, Web-based solution, offers a record number of enhancements to strengthen its functionality, usability and overall compliance and quality management capabilities.

A key new enhancement in SmartSolve 8.2 is the addition of Forms Designer, the next evolution of Pilgrim's configuration and tailoring solutions. The "Forms Designer" is a 100% web-based drag-and-drop user interface design solution that provides SmartSolve users with the ability to create new forms or redesign Pilgrim's existing 'Best Practices' pre-built forms, based on their business process needs. From simple user interactive controls, to creating advanced business rules, or managing translations, Forms Designer puts the power of "flexibility" into the hands of each functional administrator.

In addition, SmartSolve 8.2 introduces SmartDesigner™, a fully web-based Application Designer that allows SmartSolve administrators to design entirely new applications to help automate further operational processes and extend the value of their Pilgrim solution investment.

SmartEngineer™, an integration adapter featured in SmartSolve 8.2, was previously released as a part of an Engineering CAD Document Integration evolution with Pilgrim's document management solution, SmartDoc™. SmartSolve 8.2 also features the Integrated Content Management (ICM) Adapter, to integrate customers' existing Electronic Document Management System (EDMS) with SmartDoc, SmartTrain™ and other SmartSolve solutions.

"With these new exciting capabilities such as Forms Designer and SmartDesigner, Pilgrim's solutions will revolutionize the ECQM industry," said Prashanth Rajendran, Pilgrim's Chief Operating Officer. "These new tools will ease and expedite customers' ability to tailor and create new process automation for faster user adoption and continued business performance improvement. Furthermore, SmartSolve 8.2 has been dramatically improved for scalability, performance and reliability for global deployment through incorporation of some key new technologies.

"Pilgrim is always looking to enhance its solution and user experience for its customers, including

keeping up with the latest technology," said Atulya Risal, Pilgrim's Chief Technology Officer. "SmartSolve 8.2 includes advancements in its technology and functionality based specifically on recommendations our customers have made. The new features and enhancements allow SmartSolve customers to better address their core process automation requirements and expedite their business processes while remaining fully compliant with industry regulations and manufacturing the highest quality products."

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Planview Offers its Portfolio Management Solution in SaaS Delivery Model

10 December 2008

Planview® announced a new Software-as-a-Service (SaaS) delivery model for the Planview Enterprise application suite, complementing its existing on-premise and hosted models for maximum customer flexibility.

With Planview Enterprise On Demand, organizations of all sizes and process maturity levels can realize portfolio management benefits, to drive maximum value from projects, services, and products with negligible impact on infrastructure and budget. The scalable solution grows with customer needs, enabling them to take full advantage of this comprehensive resource, demand, and financial management tools over time.

"Customers today have a broad range of demands being put upon them, including time-to-market concerns, resource constraints, and economic pressures," said Patrick Tickle, executive vice president of products, Planview. "To be responsive to these needs, we have invested in the ability to deliver our market-leading applications in whatever form best fits a customer's business environment. From on-premise, to hosting, to pay-as-you-go SaaS, Planview is able to provide the true 'what you need, when and the way you need it' portfolio management solution."

Planview has collaborated with SunGard Availability Services to host the new Planview Enterprise On Demand virtualized hosting infrastructure.

"SunGard specializes in delivering highly available systems that help minimize application downtime and we are pleased to assist Planview in making sure its customers have uninterrupted access to the information systems they need in order to do business," said Dave Colesante, senior vice president and general manager, Managed Services, SunGard Availability Services.

An extension of the Planview commitment to exceeding customer expectations, Planview Enterprise On Demand enables organizations to realize benefits from the comprehensive feature set of Planview Enterprise with minimal demands on people and money resources. Learn more about Planview Enterprise On Demand at http://www.planview.com/ondemand.

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Siemens PLM Software Ships CAM Express With Synchronous Technology

11 December 2008

Siemens PLM Software announced CAM Express software with synchronous technology is shipping to customers worldwide. CAM Express, the core CAM component of the Velocity Series™ portfolio, incorporates Siemens PLM Software's new history-free, feature-based design technology.

CAM Express version 6.0.1 includes additional model editing tools that leverage synchronous technology for more effective set up in preparation for NC programming. By leveraging synchronous technology, this latest release includes the ability to edit multi-CAD data as if it were native and to make those edits much faster.

"CAM Express is the first application beyond CAD in which we have implemented our new synchronous technology," said Bill McClure, vice president of development for Velocity Series, Siemens PLM Software. "This fundamentally shows the extensibility of the technology as we expand its use into other areas of PLM."

Modeling with synchronous technology is a key addition to the model editing tools in CAM Express. Other model edit functions include tools for wireframe, surface extraction, sewing, projections, trim/extend and simple solids. This complete set of model editing tools in this latest release allow NC programmers to make the changes they require without waiting for model refreshes or customer edits.

As a CAD-neutral CAM system, CAM Express is able to make edits faster than the authoring CAD system. The source of the model is unimportant. Synchronous technology enables intelligent selections with grab and manipulate features by topology.

Velocity Series is a comprehensive family of modular, integrated solutions addressing the PLM needs of the mid-market.

For more information, visit http://www.siemens.com/plm/camexpress/

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WorkNC 3X Launch Offers Smaller Companies a "Fast Track" to World Class 3-Axis Machining

8 December 2008

Sescoi's automatic CAM/CAD software, WorkNC, is used by thousands of manufacturers and toolrooms around the world to produce complex components. To help smaller companies benefit from the same technology, Sescoi is launching WorkNC 3X, a fast track solution to 2D and 3-axis machining, which is easy to use, technically advanced and very attractively priced.

As with all Sescoi products, the new software has been designed for rapid deployment. Users can start producing 3D parts on the spot, and will be operating at expert level, cutting complex parts and molds after 1 or 2 days' training.

WorkNC 3X equips engineers with a core range of the 2 and 3-axis automated tool paths previously only available in the full version of WorkNC. These include automatic 3-axis roughing and finishing, contour and pencil machining and automated drilling.

WorkNC 3X toolpaths have intelligence built in, generating smooth transitions and fluid cutterpaths suitable for high speed machining and cutting the most complex geometry . Furthermore, the system can learn from and store an individual company's machining methods, adding to its expertise and reducing reliance on human knowledge.

For toolmakers and manufacturers, this makes the software easy to use on the shop floor and introduces reliable and high quality machining methods quickly. Companies can significantly cut their production times and improve part quality without introducing unnecessary complexity.

To help companies collaborate with their customers, WorkNC 3X includes a range of native import

CAD translators, notably DWG/DXF, IGES, STEP, Parasolid, SolidWorks, and Pro/E. These enable model and drawing data to be easily imported, allowing smaller companies to compete for a wider range of business with confidence. Specialist application CAD capabilities inside WorkNC 3X allow users to manipulate designs ready for machining, speeding up and simplifying program preparation.

WorkNC 3X's toolpaths naturally offer the exceptional reliability upon which WorkNC has built its reputation and the solution features WorkNC's collision detection and avoidance module as standard.

Over 20 years of R&D investment have gone into the development of the WorkNC algorithms, providing customers with accurate, safe and high quality results, first time. For smaller machinists and toolmakers, WorkNC 3X will provide a way of transforming their machining capabilities, with rapid return on investment delivered by shorter deployment times, improved quality and simple operation.

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