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Acquisitions

IBM: Watchtower Extends the Acceptance Period in Relation to the Recommended Cash Offer to the Shareholders in Telelogic

5 December 2007

This Offer is not being made nor will any tender of shares be accepted from or on behalf of holders in any jurisdiction in which the making of the Offer or the acceptance of any tender of shares therein would not be made in compliance with laws of such jurisdiction. The Offer is not being made, directly or

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indirectly, in or into Australia, Canada, Japan or South Africa. The Offer is being treated in the United States as one to which the “Tier II” exemption mentioned in Rule 14d-1(d) under the U.S. Securities Exchange Act of 1934 is applicable. The press release has been published in Swedish and English. In the event that there are any differences between the language versions, the Swedish version shall prevail.

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

Watchtower has decided to extend the acceptance period until 17.00 (CET) on February 14, 2008. Provided that Watchtower announces that the conditions of the Offer have been satisfied or waived on February 20, 2008, settlement is expected to commence approximately one week thereafter.

Competition clearance of the Offer is subject to review by the European Commission. The review procedure was suspended on November 15, 2007 and resumed on December 3, 2007 following delivery of further information requested by the Commission. Watchtower will continue to work constructively with the European Commission to assist them in their investigation and remains positive with regards to obtaining clearance of the Offer.

All other terms and conditions set out in the offer document apply during the extended acceptance period.

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

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PTC Completes Acquisition of CoCreate

3 December 2007

PTC announced it has completed its acquisition of CoCreate Software GmbH, a provider of product development solutions, for approximately \$250 million net of cash acquired and excluding transaction fees. CoCreate, based in Sindelfingen, Germany, has 280 employees and more than 5,000 customers globally including Agilent, Canon, Molex, Fujitsu, HP, Liebherr, Matsushita Electric, NEC, Olympus, Phoenix Contact and Seiko Epson.

“The acquisition of CoCreate enables PTC to broaden its customer base, its distribution channel, and its product offering,” said C. Richard Harrison, president and chief executive officer, PTC. “Additionally, we expect the acquisition will be immediately accretive to our non-GAAP operating margins and earnings.”

Customer satisfaction has been a top priority for PTC and we expect CoCreate customers to benefit from this focus. PTC is committed to maintaining, enhancing and further developing all CoCreate products indefinitely, including OneSpace Modeling, OneSpace Drafting, OneSpace Model Manager, OneSpace Drawing Manager, OneSpace Live! and OneSpace.net. PTC will continue to offer all CoCreate solutions as stand-alone offerings. Additionally, PTC plans to integrate CoCreate solutions with the PTC Product

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Development System (PDS) in order to offer CoCreate customers complementary product development capabilities including engineering calculations, dynamic publishing, visualization, high-speed machining, and enterprise content and process management.

“Intermec has been a long-standing customer of both PTC and CoCreate solutions,” said Ryan White, mechanical engineering manager at Intermec, a leading supply chain technology provider. “We believe we will benefit not only by being able to purchase these solutions from one vendor, but also from the planned integration of the solutions, which should enable us to lower our total cost of ownership and ease transfer of files between tools.”

With this acquisition, PTC embraces all the accepted approaches to mechanical modeling – parametric, explicit, derived and 2D – and is the only vendor to offer all of them based upon a customer’s specific needs. Any of these modeling techniques combined with the PTC PDS offers customers a competitive advantage unmatched by any other vendor in the industry.

“PTC’s acquisition of CoCreate will provide significant value for end users,” said Allan A. Fotinopoulos, senior business product lifecycle development architect at Pitney Bowes, a global provider of mailstream technology. “We look forward to seeing how the tools will complement each other to provide added value to various product development programs at Pitney Bowes, as well as seeing integration plans to assist us in adopting a complete PLM solution in the future.”

PTC financed the acquisition and related expenses with a combination of \$50 million of cash and \$220 million of debt from its existing revolving credit facility. PTC expects to repay the loan within two years.

Wachovia Securities acted as exclusive financial adviser to PTC in the transaction. CoCreate was a portfolio company affiliated with HBK Capital Management.

Updated First Quarter and Fiscal 2008 Financial Outlook

As a result of the acquisition, PTC has updated its outlook for the first quarter and fiscal year 2008. Under purchase accounting, PTC will be required to account for the fair value of CoCreate’s deferred maintenance revenue balance, which we expect will result in a reduction to the maintenance revenue that CoCreate would have otherwise recorded as a stand-alone entity (“deferred maintenance revenue write-down”). PTC will report both GAAP and non-GAAP revenue in FY 2008. Non-GAAP revenue will exclude the revenue effect of the deferred revenue write-down. Therefore, the outlook below includes both GAAP and non-GAAP revenue estimates.

PTC’s GAAP revenue forecast for the first quarter of fiscal 2008 is between \$234 million and \$244 million, and GAAP earnings per share are expected to be between \$0.06 and \$0.11. The Company expects non-GAAP first quarter revenue to be between \$235 million and \$245 million, and expects non-GAAP earnings per share to be between \$0.20 and \$0.25. The non-GAAP revenue and earnings expectations exclude an anticipated deferred maintenance revenue write-down of about \$1 million and the following first quarter estimated expenses and their tax effects:

- Approximately \$11 million of expense related to stock-based compensation
- Approximately \$6 million of acquisition-related amortization expense
- Approximately \$1 million of in-process research and development expense related to the acquisition of CoCreate
- Approximately \$9 million of restructuring expenses related to our continued globalization

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program

For the fiscal year ending September 30, 2008, PTC expects GAAP revenue to be about \$1050 million, and GAAP earnings per share are expected to be between \$0.61 and \$0.71. The Company expects non-GAAP revenue to be about \$1060 million, and expects non-GAAP earnings per share to be between \$1.12 and \$1.22 for the fiscal year. The non-GAAP revenue and earnings expectations exclude an anticipated deferred maintenance revenue write-down of about \$10 million and the following full-year estimated expenses and their tax effects:

- Approximately \$45 million of expense related to stock-based compensation
- Approximately \$34 million of acquisition-related amortization expense
- Approximately \$1 million of in-process research and development expense related to the acquisition of CoCreate
- Approximately \$12 million of restructuring expenses related to the continued globalization program

Our purchase price allocation estimates, which impact our estimates for the deferred maintenance revenue write-down, amortization expense, and in-process research and development expense, are preliminary pending the final valuation of the acquired assets and liabilities. PTC's outlook for GAAP and non-GAAP earnings per share reflects anticipated interest payments on the debt used to finance the CoCreate acquisition. PTC expects the acquisition will be accretive to GAAP EPS in 2009 and beyond.

Important Information about Non-GAAP References

To supplement our financial results presented on a GAAP basis, we use non-GAAP measures, which exclude certain business combination accounting entries and expenses related to acquisitions as well as other significant expenses including stock-based compensation and restructuring charges, that we believe are helpful in understanding our past financial performance and our future results. PTC believes these non-GAAP measures aid investors' overall understanding of PTC's results by providing a higher degree of transparency for certain expenses, and providing a level of disclosure that helps investors understand how PTC plans and measures its own business. We believe that providing non-GAAP measures affords investors a view of our operating results that may be more easily compared to peer companies and enables investors to consider PTC's operating results on both a GAAP and non-GAAP basis in periods when PTC is engaged in acquisition activities or undertaking restructuring activities. However, non-GAAP revenue, non-GAAP net income and non-GAAP earnings per share should be construed neither as an alternative to GAAP revenue, GAAP net income or GAAP earnings per share as an indicator of our operating performance nor as a substitute for cash flow from operations as a measure of liquidity because the items excluded from the non-GAAP measures often have a material impact on PTC's results of operations. Therefore, management uses, and investors should use, non-GAAP measures in conjunction with our reported GAAP results.

Our management regularly uses our supplemental non-GAAP financial measures internally to understand, manage and evaluate our business and make operating decisions. These non-GAAP measures are among the primary factors management uses in planning for and forecasting future periods. In addition, compensation of our executives is based in part on the performance of our business based on these non-GAAP measures. Our non-GAAP financial measures reflect adjustments based on the following items, as well as the related income tax effects:

Deferred maintenance support revenue: Business combination accounting rules require us to account for

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the fair value of support contracts assumed in connection with our acquisitions. Because these are typically one-year contracts, our GAAP revenues for the one-year period subsequent to our acquisitions do not reflect the full amount of software license updates and product support revenues on assumed support contracts that would have otherwise been recorded by the acquired entities. The non-GAAP adjustment, reflected in non-GAAP revenue, is intended to reflect the full amount of such revenues. We believe this adjustment is useful to investors as a measure of the ongoing performance of our business because we have historically experienced high renewal rates on support contracts, although we cannot be certain that customers will renew these contracts.

Stock-based compensation expenses: We exclude the effect of stock-based compensation expenses from our non-GAAP operating expenses, operating margin and net income. Although PTC undertakes analyses to ensure that its stock-based compensation grants are in line with peer companies and do not unduly dilute shareholders, PTC allocates these grants and measures them at the corporate level. Management excludes their financial statement effect when planning or measuring the periodic financial performance of PTC's functional organizations since they are unrelated to our core operating metrics. Stock-based compensation expenses will recur in future periods.

Amortization of intangible assets and in-process research and development expenses: We exclude the effect of amortization of intangibles and in-process research and development expenses from our non-GAAP operating expenses and net income. We believe that excluding these expenses, which are associated with acquisitions, provides investors with information that helps to compare period-over-period operating performance by highlighting the effect of acquisitions on our results of operations. In addition, PTC's management excludes the financial statement effect of these items in creating operating budgets for PTC's functional business units and in evaluating and compensating employees due to the fact that it is difficult to forecast these expenses because the expense is inconsistent in amount and frequency and is significantly affected by the timing and size of our acquisitions. Amortization expenses will recur in future periods. In-process research and development charges are not recurring with respect to past acquisitions, but we may incur these expenses in connection with future acquisitions.

Restructuring expenses consist of PTC employee severance and PTC duplicate facility closures in connection our strategy to globalize our workforce to improve our profitability. We believe it is useful for investors to understand the effect of these expenses on our cost structure. Although restructuring costs are not recurring with respect to past severance and facilities closure activity, we may incur these expenses in the future in connection with continued execution of our globalization strategy.

One-time tax items, if any: We exclude the effect of one-time tax items, such as valuation allowance reversals and income tax refunds, from our non-GAAP net income. We believe that excluding these items provides investors with information that helps to compare period-over-period operating performance by highlighting the effect of one-time items on our results of operations. One-time tax items are not recurring with respect to past benefits or payments, but we may realize one-time tax benefits or incur one-time tax obligations in the future.

Conference Call Webcast

PTC will discuss its outlook update on a conference call and live webcast on December 3, 2007 at 8:30 a.m. ET. A replay of the call will be available until 5:00 p.m. ET on November 5, 2007. To access the replay via webcast, please visit <http://www.ptc.com/for/investors.htm>. To access the replay by phone, please dial 402-998-0826.

Website Posting of Historical Financial and Operating Statistics

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PTC has also posted updated annual and quarterly financial and operating statistics on PTC's website at <http://www.ptc.com/for/investors.htm>. These statistics reflect the restatement of prior financial results in the 2007 annual report on Form 10-K.

The timing of any product release or integration, including any features or functionality, will be determined as part of PTC's release schedule after the acquisition closes, and subject to change at PTC's discretion.

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CIMdata News

CIMdata in the News: "More Ways to Collaborate as PLM Market Consolidates"

July 1, 2007

The impact of PLM market consolidation is explored in "More Ways to Collaborate as PLM Market Consolidates" in Manufacturing Business Technology magazine.

One of the effects of consolidation is:

User enthusiasm for potentially broad-reaching solutions sparked a 10.4-percent increase in PLM spending in 2006, according to **CIMdata**, an Ann Arbor, Mich.-based PLM consultancy. "What's caused PLM to explode is the recognition that it's now about the enterprise," says Ed Miller, president. "You can see the push into manufacturing—not just how to design the product configuration, but also the processes for making the products."

To learn more please read [More Ways to Collaborate as PLM Market Consolidates](#) (Manufacturing Business Technology July 1, 2007)

By Elizabeth SanFilippo, Associate Editor

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Time is Running Out to Register Your Opinion on the Use of Simulation & Analysis for Product Development

7 December 2007

Soon we will be announcing the results of our opinion poll on the use of Simulation and Analysis in your product development process. However, there is still time to provide us feedback on the uses of Simulation and Analysis within your organization and it takes only seconds to register your opinion in this brief poll. Please visit <http://www.cimdata.com/research/polls/polls.php> to vote.

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

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Company News

CIMTEK Expands in China Full-Service Product Test Operations Supports Demand for Quality Global Manufacturing

4 December 2007

CIMTEK has expanded its operations with a new facility in Suzhou, China. The move supports global demand for quality manufacturing and gives CIMTEK's customers greater capability to fully capitalize on one of the world's fastest-growing manufacturing and electronics assembly markets.

This new facility addresses a key strategic requirement for electronics manufacturers today: The need to fulfill critical Asian-based business initiatives, while ensuring that the most reliable products are delivered to market as fast and cost-effectively as possible. CIMTEK's integrated functional test solutions – an optimal combination of software, systems and services – will be easily accessible for the growing number of products being developed within China.

As globalization continues to soar, China has become a key part of any manufacturer's business strategy. Home to one of the world's fastest-growing economies, China provides the advanced infrastructure, talent and business processes that support both revenue-generating opportunities and bottom-line savings for all types of manufacturers.

“China is essential to manufacturers' ability to stay ahead by continuously delivering innovation and volume quickly and cost-effectively,” said Stan Smith, president and CEO of CIMTEK. “Our new office provides added flexibility and options to better leverage the resources available in China while ensuring highly accountable manufacturing processes driven by test and product quality.”

Keeping Product Quality High – Across the Globe

The new office expands CIMTEK's breadth and expertise within the Asian market, where it has managed the deployment and support of more than 1,500 test systems in the past three years. The company also plans to introduce several new services to meet the demand for outsourced sustained engineering, new product introduction support and new production line activation.

Establishing operations in Suzhou delivers benefits not seen anywhere else. Widely recognized as an ideal location for logistics export support – with close proximity to major global manufacturing markets, including Shanghai and nearby eastern provinces – it provides manufacturers with the advanced infrastructure and highly skilled labor pool needed to raise product quality while decreasing costs.

[CIMTEK](#) re-defines test solutions for electronics, automotive, avionic and medical manufacturers, as an integrated business strategy placing quality test in its rightful place – across the product lifecycle – to drive better sourcing, production and aftermarket decisions.

Many of the world's largest manufacturers, including Microsoft Corp., Motorola, Inc., Honeywell, Siemens, Visteon Corporation, Delphi Corporation and DuPont Dozens rely on CIMTEK's integrated test engineering solutions to drive real business value and hard-dollar savings that improve speed-to-market, minimize product failure risk and reduce overall lifecycle costs.

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Delcam Offers Free CAD Software Training Programme on iTunes

3 December 2007

Delcam is offering a CAD training programme as a series of podcasts for free download from the iTunes web site. The complete programme comprises 27 tutorials, covering all stages from basic sketching through to solid and surface modelling. The course can be used with Delcam's free PowerSHAPE-e educational CAD software, which can be downloaded from <http://www.powershape-e.com/>.

The course is intended mainly for students on design and engineering courses at college or university, who are looking for an introduction to computer-aided design techniques. It will also be helpful for anyone looking to gain a basic knowledge of CAD.

The free PowerSHAPE-e download includes all the surface and solid modelling tools from the latest commercial PowerSHAPE release. Unlike most other free evaluation versions, the software can save part-completed models, so enabling longer projects to be undertaken in a series of sessions. The software download includes an additional set of tutorials showing students a broader range of methods of using CAD for product design and decoration.

PowerSHAPE-e also includes a selection of 3D clip art so that students can experiment with Delcam's patented Total Modelling approach to design. Total Modelling allows textures, logos and other decorations to be added to CAD models more quickly and more flexibly than any other design technique. It provides the fastest method for the early "What if?" stage of concept design, allowing a far greater number of alternative proposals to be created and compared in a much shorter time.

Once they have completed the course, students can use PowerSHAPE-e to create a portfolio of their work for potential employers. They can create as many new concepts as their imaginations allow and send a selection of screen shots of their designs with their CVs when applying for jobs.

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Endeca Teams with EntropySoft on Data Integration and Platform Extensibility

4 December 2007

Endeca Technologies, Inc. and [EntropySoft](#), a European leader of the ECI (Enterprise Content Integration) market, announced a partnership to extend and simplify integration between the Endeca Information Access Platform (IAP) and key enterprise information stores. According to the terms of the deal, Endeca will leverage EntropySoft's family of connectors to create new, out-of-the-box integration capabilities that simplify and accelerate the development of applications built on the Endeca IAP. The new capabilities will be offered to both new and existing Endeca customers.

"Our partnership with EntropySoft will simplify our enterprise deployments, resulting in faster implementation times and reduced total cost of ownership," said Jason Purcell, vice president of product management at [Endeca](#). "In addition, by taking advantage of their integration expertise and family of connectors, we can expand the range of solutions built on top of the Endeca Information Access Platform."

The Endeca IAP is designed for the interactive exploration, discovery, and analysis of information. The platform makes it possible to quickly integrate and access related data and content from disparate enterprise applications and data stores, while offering the performance and scalability required for sub-second interactivity, even with millions of concurrent sessions. It powers the Web's most heavily

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trafficked sites and storefronts, key enterprise-wide applications at the world's largest companies, as well as mission-critical applications in the intelligence and defense communities.

The EntropySoft connectors will be used to extend Endeca's array of out-of-the-box content adapters that simplify and accelerate the integration of related data and content from disparate sources.

"Every day there are more content silos. Our technology simplifies and normalizes the access to all these content repositories. EntropySoft delivers to Endeca the broadest catalog of bi-directional connectors," said Nicolas Maquaire, chief executive officer of EntropySoft. "We bring to this partnership our technology and our deep knowledge of all ECM solutions."

EntropySoft uses these connectors as foundations of its strategy of content interoperability. These connectors implement the main features of all the connected applications. On top of these connectors, EntropySoft deliver two solutions.

EntropySoft Content ETL extracts, transforms and loads content between numerous content repositories. This solution is used for Records Management projects to connect and organize transfers of records from all applications into the ERMS solutions, for publishing content or for complex migrations.

EntropySoft Content Federation is based on EntropySoft presentation platform. This platform consolidates all content repositories and delivers federated user interfaces through different technologies. This solution is used by business units of large corporations, to shield users from the complexity of their applications landscape and to give them a business oriented access to content. This unique point of access is independent from the information system architecture.

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Mentor Graphics CEO Walden C. Rhines Elected to Global Semiconductor Alliance Board of Directors

3 December 2007

[Mentor Graphics Corporation](#) announced that Walden C. Rhines, chairman and CEO, has been elected to the Global Semiconductor Alliance (GSA - formerly FSA) board of directors. GSA facilitates the relationship between fabless semiconductor companies and their supplier partners, and works to bring the global supply chain together. As a director, Rhines will help set the organization's general direction, decide matters of overall policy, and review GSA activities.

"It is a great honor to be elected to the GSA board of directors, and I appreciate the support of those in the organization that have elected me to serve," said Rhines. "Mentor Graphics has worked with the organization on a number of activities, and I welcome the opportunity to play an even greater role in promoting innovation and collaboration within the semiconductor industry."

"We welcome Wally as a GSA director representing design partners," said Jodi Shelton, co-founder and executive director of GSA. "GSA addresses challenges within the supply chain to enable industry-wide solutions, and electronic design automation (EDA) is a key area of focus for the organization. With his extensive experience and insight, Wally's contribution in this leadership role will be a great asset to GSA and the global semiconductor industry."

During Rhines' tenure at Mentor Graphics, revenue has more than doubled, growth rate since 1999 has been number one among the "Big 3" EDA companies, and Mentor has grown to the industry's number one market share solutions in physical verification, design concept-through-functional verification and

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printed circuit board design. Prior to joining Mentor Graphics, Rhines was executive vice president of Texas Instruments' Semiconductor Group.

Rhines has served as chairman of the Semiconductor Technical Advisory Committee of the Department of Commerce; as an executive committee member of the board of directors of the Corporation for Open Systems; and as a board member of the Computer and Business Equipment Manufacturers' Association (CBEMA), SEMI-Sematech/SISA, Electronic Design Automation Consortium (EDAC), University of Michigan National Advisory Council, and Sematech. He served three two-year terms as chairman of the Electronic Design Automation Consortium and is currently vice-chairman. He is also currently a board member of the Semiconductor Research Corporation.

About GSA

The Global Semiconductor Alliance (GSA) mission is to accelerate the growth and increase the return on invested capital of the global semiconductor industry by fostering a more effective fabless ecosystem through collaboration, integration and innovation. It addresses the challenges within the supply chain including IP, EDA/design, wafer manufacturing, test and packaging to enable industry-wide solutions. Providing a platform for meaningful global collaboration, the Alliance identifies and articulates market opportunities, encourages and supports entrepreneurship, and provides members with comprehensive and unique market intelligence. Members include companies throughout the supply chain representing 25 countries across the globe. <http://www.gsaglobal.org/>

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MSC.Software Names Robert A. Schriesheim to Board of Directors

3 December 2007

[MSC.Software Corp.](#) announced that Robert A. Schriesheim has joined the Company's board of directors.

Mr. Schriesheim is currently executive vice president, chief financial officer and a director at Lawson Software, the third largest publicly traded provider of enterprise resource planning software solutions worldwide. Formerly, he was a general partner for ARCH Development Partners, a seed stage venture capital fund focused on information technology and services as well as life sciences. Prior to ARCH, he was executive vice president, corporate development and chief financial officer for Global Telesystems, a \$1 billion publicly-traded company based in London. He also served as president and chief executive officer of SBC Equity Partners, a bank-affiliated private equity firm.

Mr. Schriesheim sits on the boards of publicly traded Lawson Software, Skyworks Solutions, Alyst Acquisition Corporation and, until its recent sale to ATT, was a director of Dobson Communications. He holds an undergraduate degree from Princeton University and an MBA from the University of Chicago Graduate School of Business.

"Rob's extensive technology background and track record with software companies will help contribute to improving MSC.Software's performance and shareholder value, said Bill Weyand, chief executive officer, MSC.Software. "We are extremely pleased to have him on our board of directors."

"Rob Schriesheim will be a tremendous asset to MSC.Software's board of directors," said William F. Grun chairman of governance and nominating committee, MSC.Software. "He is a corporate strategist who has an exceptionally strong background as a C-Level operating and finance executive with a global background in the technology sector. He has been an active director for several highly successful public

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companies with a track record of maximizing shareholder value in transformational situations as an operating executive, investor and director through a combination of operational, financial and strategic initiatives."

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New TopSolid'Mold Step-By-Step Tutorial Now Available

3 December 2007

A new TopSolid'Mold step-by-step tutorial is now available to purchase on <http://www.eni-publishing.com/>. This new book written by Bill Genc (owner and CEO of Clear Cut Solutions Inc., a TopSolid VAR in the USA), is a detailed guide to learning TopSolid'Mold. This tutorial walks the user through the design of a complete mold and is intended to be used as a first step and reference guide in learning TopSolid'Mold. This tutorial includes instruction for all of the major steps in designing a mold including creating parting lines and surfaces, cavity and core blocks, inserts, water lines, components, bill of materials, assembly drawings, draft documents and more.

This new book is part of a TopSolid collection of books and tutorials which are now available for purchase on the web. 3 books have already been released this year in French and before the end of the new a new book on TopSolid'Wood in English entitled "Solid Modelling with TopSolid'Design and TopSolid'Wood" will be available to purchase online.

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Siemens PLM Software Names Kazufumi Misawa Vice President and General Manager of Japan Operations

6 December 2007

[Siemens PLM Software](#) announced that Kazufumi Misawa has been appointed vice president and general manager, Japan Operations for Siemens PLM Software.

In his new role, Misawa is responsible for managing all sales, support and services for Japan for Siemens PLM Software. He is based in Tokyo and reports to Hans-Kurt Lübberstedt, senior vice president of Asia Pacific for Siemens PLM Software.

Misawa has worked as an executive in the consulting field for approximately 20 years. Most recently he served as executive partner of Accenture, responsible for the automotive industry in the Asia Pacific region. During his tenure at Accenture, he led many consulting projects for automotive OEMs and suppliers in the product development space, including PLM.

Misawa's experience also includes providing professional services to companies in the high-tech and communications industries and leading a number of supply chain management-related projects. Prior to his long consulting career, Misawa worked for Toshiba Corporation for 10 years where he gained hands-on experience in the engineering and product design of heavy machinery and industrial equipment.

Misawa received a Master of Science degree from Massachusetts Institute of Technology in 1983, and a Bachelor of Science degree in Mechanical Engineering from Waseda University in 1978.

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Events News

After its Launch at CISMA (September, 2007), Lectra Showcased its New Kaledo Solution for Designers During its Successful Road Show in Hong Kong and South Korea

7 December 2007

Lectra showcased its new Kaledo range during its “Transform Design, Transform Business” road show event organized in Hong Kong and South Korea in November.

During this road show, many customers from the Asia-Pacific region were able to discover the full range of Lectra’s latest offering dedicated to the fashion industry’s design teams. The road show also provided guests with a round table focusing on customers’ needs. The participants, including Liz Claiborne, HK Disneyland, VF Asia, Wolf Lingerie, Youngone discovered how Kaledo can actively help clients to produce more designs and validate collections faster, how to improve the communication flow between designers and everyone involved in product development and how to ensure significantly faster product development cycles.

The new Kaledo offer is the result of Lectra’s experience acquired over the past 30 years. It will gradually replace its legacy solutions: Prima Vision and U4ia design solutions.

The Kaledo range includes the Kaledo Collection application for designing collections along with Kaledo Print, Kaledo Knit and Kaledo Weave, the textile applications for creating original prints, knits and yarn-dyed woven fabrics.

“In a competitive environment, our clients need to strengthen their brand image and increase their ability to innovate”, emphasized Robert Agnes, President of Lectra Asia-Pacific. “Thirty of our best engineers and technicians and over 10 million euros have been devoted to developing the new Kaledo range over the past six years. By making design easier and integrating it into the product life cycle very early on, we allow our clients to take a great step forward in speeding up their collection development and strengthening their competitiveness.”

Kaledo offers designers an increasing intuitive work environment where all the data they need are readily accessible. With Kaledo Collection, Kaledo Print, Kaledo Knit and Kaledo Weave, they can present, test, change and develop a large number of styles and easily create a wide variety of fabrics and colorways. Ultra-realistic simulations allow designers to express their creative ideas. This user-friendly range of design applications takes technical data into account, simplifying production series and allowing product lines to be developed very quickly.

Kaledo Collection allows designers to save time and actually structure their collections, so guaranteeing much faster fine-tuning.

“Fashion designers spend disproportionate amount of time in non-design related and highly repetitive tasks. At Lectra, we believe that we have found a creative way to streamline the entire design process allowing designers to concentrate on their main mission: create innovative designs”, said Robert Agnes.

With Kaledo Collection, all designs, along with combinations of styles, components and materials, are automatically saved. Afterwards, any changes to that style, color or material are immediately reflected throughout the collection.

Kaledo Collection allows data sharing in real time with all the design teams and those responsible for development. Information is sent directly, avoiding any re-entry or poor interpretation and making the

whole development process faster.

For more information about Kaledo, please visit our website: <http://www.lectra.com/design/>.

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Coming in January: SolidWorks World 2008, the 10th Anniversary Edition; San Diego to Host Largest Annual Worldwide 3D CAD Event Ever

5 December 2007

The largest annual worldwide 3D CAD event will only get bigger this January when more than 4,000 SolidWorks users, partners, employees, and media representatives descend on San Diego for the 10th anniversary of SolidWorks World – SolidWorks World 2008.

The SolidWorks World 2008 International User Conference & Exposition, themed “Inspired to Design,” takes place Jan. 20-23, and will offer more technical training and networking opportunities than ever before. There will be presenter-packed general sessions, more than 150 in-depth training sessions, 200 new products in the 9,000-square-foot Product Design Showcase, and upwards of 100 innovative solutions in the most expansive Partner Pavilion yet – all providing learning and networking opportunities to help SolidWorks® software users design better products.

Keynote speakers include:

Dr. Don Norman, author of “Emotional Design: Why We Love (or Hate) Everyday Things.” He will focus on Human-Centered Design. In 2006, Dr. Norman joined Albert Einstein, Stephen Hawking, and Thomas Edison in receiving the Benjamin Franklin Medal from the prestigious Franklin Institute. He holds a Lifetime Achievement Award from the ACM Special Interest Group on Computer-Human Interaction (SIGCHI).

Dr. Robert Ballard, director of the Center for Marine Exploration at Woods Hole Oceanographic Institute. Dr. Ballard is a marine explorer, engineer, and geologist famous for discovering the downed HMS Titanic, the World War II German Battleship Bismarck, and the World War I passenger liner Lusitania. He designed the popular submersible camera “ANGUS” and co-engineered “Jason,” a remotely operated vehicle that explores the interiors of sunken ships.

These are just two of the speakers who will inform, inspire, and entertain attendees from the main stage. As always, the general session will include the popular sneak preview of the next edition of SolidWorks products, in this case SolidWorks 2009.

Featured activities at SolidWorks World

From the Agenda:

There will be more technical training sessions than ever covering a broader range of subjects, including tips and tricks for every user, additional advanced content, special focus areas (sheet metal, weldments, and advanced modeling), design validation sessions, and more. These sessions give attendees the tools they need to more quickly design truly distinctive high-quality products, and get the most out of their investment in SolidWorks software.

Education and certification activities include pre-conference sessions where attendees can take Certified SolidWorks Professional (CSWP) and Certified SolidWorks Associate (CSWA) exams at no charge. Successful candidates will join the ranks of the documented SolidWorks elite.

Exhibit Hall Attractions:

The Partner Pavilion is the single largest worldwide gathering of SolidWorks Partners. More than 100 companies will showcase the latest solutions for expanding the capabilities of SolidWorks software, providing a unique opportunity to learn and network. Live demonstrations will take place in the Certified Partner Theater. New this year are valuable prizes for attendees who explore the Partner Pavilion, including a Lenovo Thinkstation Workstation S10. Visit the SolidWorks World Web site (<http://www.solidworks.com/swworld>) for more details.

The Product Design Showcase will feature an astonishing array of products designed in SolidWorks, including a scale model of a hydrogen fueling station in Norway and a next-generation warehouse solution that uses robots to deliver pallets or cases to workers. There will be multimedia displays, hands-on interactive exhibits, and many opportunities to talk to the designers.

Networking Opportunities:

Popular Birds-of-a-Feather lunches will bring together the SolidWorks community every day of the conference by industry, software functionality, and geography. These have proven to be valuable and fun opportunities to expand professional networks within one's field or region.

This year's Special Event is the SolidWorks World Block Party, featuring food, drink, activities, restaurants, and shopping, exclusively for SolidWorks attendees, in the hottest few blocks of the city's popular Gaslamp Quarter. Nightclubs, pool halls, and European-inspired eateries promise to make for an unforgettable evening of fine dining and entertainment.

Register today

A full conference pass is \$995 with a \$100 early bird discount through Dec. 14. Attendees can save more by sending three people from the same company for the price of two full conference passes. For more information, visit <http://www.solidworks.com/swworld>.

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Delcam to Launch New ArtCAM JewelSmith at Spring Fair

6 December 2007

Delcam will launch the latest version of its ArtCAM JewelSmith CAD/CAM software at the Spring Fair to be held at the NEC, Birmingham, from 3rd to 7th February. This new release offers improved ease of use, faster and more robust operation, and better interoperability with other software.

"The feedback from our customers was that ArtCAM JewelSmith already offered the tools they needed for faster and higher quality design and manufacture of jewellery," claimed ArtCAM Development Manager Edward Powell. "While they felt that the key to the software's popularity was its ease of use, we were sure that we could provide further simplification. We have moved a long way towards making ArtCAM JewelSmith even easier to learn and use with the current release."

The main change has been to the ArtCAM Project format that allows multiple components to be combined to create an intricate model. In earlier versions of the software, the models representing the individual components had to be kept as separate files. JewelSmith 2008 now allows multiple independent models, of differing size, resolution and materials, to be created within a single file.

In addition, a new Project Tree has been added to give an intuitive method of creating and manipulating

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the components within the overall design. This uses many of the standards and conventions of Windows Explorer to make learning and using the system straightforward and efficient. For example, components can be moved and copied between Projects simply by dragging with the mouse.

The new release also sees all the specific jewellery tools and wizards consolidated into the core of the product for the first time. Previously, many of these options existed as distinct programs and macros linked to the main software. The consolidation has allowed many of these functions to be re-written so that they now operate more quickly and more reliably.

The rendering within the software has been improved to enable higher-quality images to be generated for potential customers and retailers. The speed with which ArtCAM JewelSmith can prepare design proposals for client approval has always been a major benefit of the system. The ability to prepare superior visualisations of new designs will make it even more likely that the client will place an order.

For users that are new to machining, the new ArtCAM JewelSmith incorporates a step-by-step wizard that automates all the steps required to produce a finished piece with simple raster roughing and finishing toolpaths. It can be used for models created within the software, designs imported from other sources, or any of the 3D clipart library supplied with the software.

Users had also requested improved interoperability with other CAD systems to make it easier to accept models from clients using different software or to retrieve designs created with earlier programs. ArtCAM JewelSmith 2008 can now import models in a huge range of other formats, including Rhino, Alias Wavefront and SolidWorks, as well as the major generic file types such as IGES & STL.

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Delcam to Show Aerospace/Automotive Machining at Southern Manufacturing

4 December 2007

Delcam will highlight special modules in the company's PowerMILL CAM system for the aerospace and automotive industries at the [Southern Manufacturing](#) exhibition to be held in Farnborough on 6th and 7th February. The aerospace module makes the machining of blisks and impellers much easier and faster, while the automotive module automates the programming of engine port machining. Delcam will also feature the latest versions of its FeatureCAM and PartMaker CAM software on its stand, O61.

Typically, the new aerospace option will allow even complex blisks and impellers to be programmed in around 30 minutes, compared with the many hours of work that would have been needed previously. To generate the CAM program, the user simply has to divide the CAD geometry between the shroud, hub and blade, plus the splitter blade if appropriate. Then, the tools to be used have to be chosen from the tool database within the software and the type of leads and lifts specified. Next, the user needs to decide whether to undertake the roughing either by pocket or level by level. The latter option involves more air moves but avoids deflection of thin blades that can result when machining pocket by pocket. A further choice may be made between finishing the blades either by machining the opposite faces of the pair of blades across a pocket or by machining around each blade. Finally, the predominant tool angle must be set. This will usually be normal to the hub, or to the shroud or to the centre line of the part. During the calculations, PowerMILL will automatically adjust this angle by the minimum amount required to maintain adequate clearance at all times and also to give smooth tool axis movement.

PowerMILL will then calculate the three type of toolpath needed to machine the item – a roughing toolpath to remove the bulk material, plus separate finishing toolpaths for the blade and the hub. A

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warning is given automatically if the cutter chosen for roughing will not remove sufficient material so that finishing can be undertaken safely. In these cases, a stock model can be produced showing the material remaining. This allows the user to choose either to reduce the size of the roughing cutter and so enable better access and increased material removal, or to create an additional semi-finishing toolpath to leave a safe amount of material for finishing.

To further speed the calculation times, if the blades are evenly spaced, PowerMILL will automatically count the number of blades and produce a complete set of toolpaths in a single operation. When the blades have different spacings, toolpaths must first be produced for a single blade and then copied around the hub at the appropriate angles.

PowerMILL's port machining module automatically optimises the overall machining sequence so that as much material as possible is removed with three-axis and positional five-axis operation, and that continuous five-axis machining is only used where necessary. This reduces the overall machining time, while maintaining the required level of surface finish. With most machine tools, using three-axis or positional five-axis cutting offers greater rigidity and so allows more accurate machining, with less vibration of the cutter, at higher speeds. However, engine ports usually require continuous five-axis machining for part of their manufacture.

The module uses a spiral motion for the roughing cuts but gives the operator a choice between using a spiral or a plunging approach for the finish machining. Using a spiral approach produces cusps across the flow of gas and so increases turbulence, while using the plunging technique gives cusps parallel to the flow direction and speeds the passage of the gas mixture through the port.

PowerMILL also divides the CAD model of the port automatically to create the surfaces that will be machined from either end of its length. The user can specify the length of the overlap between the two sets of toolpaths to ensure a smooth transition between the two areas.

PowerMILL supports the full range of cutter types, including the lollipop cutters that are frequently used to access difficult to reach areas of the port. The software can be used either to machine ports directly from solid material or for the finish machining of cast engine blocks.

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EDS Technologies Presents Seminar on Modelling and 3D Visual Simulation in Association with PRESAGIS

5 December 2007

EDS Technologies Pvt. Ltd, India's largest Product Lifecycle Management (PLM) Solutions and 3D Visual Simulation provider, with its headquarters in Bangalore, announced that it is hosting its 3rd Technology Seminar on Modeling and 3D Visual Simulation in association with PRESAGIS, a world leader in Commercial-Off-The-Shelf (COTS) modeling, visual simulation and embedded display graphics software. The seminar will be held on 12th Dec from 2.00 pm onwards at the Hotel CAPITOL, Bangalore.

“This is the 3rd seminar hosted by EDS Technologies for the aerospace and defense establishments including aircraft manufacturers, aviation engineering services and various simulator developers in India. It will bring the latest updates and a unique opportunity to learn the industry's most advance 3D visual simulation applications that are deployed to create, train, simulate and visualize.” said Prashant Pawar, Country Manager at EDS Technologies.

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The seminar will start with a keynote address from a well known industry leader. Thereafter, PRESAGIS will present and demonstrate components of their unified COTS modeling and simulation software portfolio including content creation, visualization, simulation and human-machine interferences (HMI) solutions.

About EDS Technologies

EDS Technologies Pvt. Ltd, established in 1995, is the largest PLM Solutions and Real Time 3D Visual Simulation provider in India, with its head quarters in Bangalore, and having presence in Gurgaon, Pune, Mumbai, Chennai and Hyderabad. EDST is staffed with over 120 skilled professionals with industry experience supporting customer requirements across the country.

EDS Tech, the largest PLM partner of IBM/Dassault Systemes, plays a vital role in implementing Dassault PLM Solutions, in India across various industry segments. The company is supporting close to 300 CATIA licenses across India from more than 600 customer sites over the past 10 years.

About PRESAGIS

PRESAGIS is a world leader in commercial-off-the-shelf (COTS) modelling, simulation, and embedded display graphics software, and creator of the first unified COTS modelling and simulation software portfolio for the global aerospace and defense markets. The company services more than 1,000 active customers worldwide, including many of the world's most respected organizations such as Boeing, Lockheed Martin, Airbus, BAE Systems and CAE.

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Mentor Graphics CEO to Keynote at Indian Conferences

5 December 2007

Mentor Graphics Corporation announced that Walden C. Rhines, chairman and CEO, will present keynotes at two upcoming conferences in India. The first presentation will take place at the joint 21st International Conference on VLSI Design and 7th International Conference on Embedded Systems to be held on January 6, 2008 in Hyderabad, India. Then, on January 9, Rhines will speak at the India Semiconductor Association (ISA) Thought Leadership forum in Bangalore.

At the joint 21st International Conference on VLSI Design and the 7th International Conference on Embedded Systems, Rhines will present “About the New Paradigm Within India - Why Experience is Sometimes a Bottleneck.” The talk will examine three areas—semiconductor place and route, low power design and verification—that are undergoing major transformations, offering India its greatest potential to move to the vanguard of design. Rhines’ presentation takes place Sunday, January 6, at 9:00 a.m. local time The conference takes place at the Hyderabad International Convention Centre and Novotel Complex, Hyderabad, Andhra Pradesh, India and runs from January 4 – 8. For more information, please visit: <http://vlsiconference.com/vlsi2008/>.

Rhines will present “Multi-Nationalization of the Product Development Process” at the ISA Thought Leadership forum on Wednesday, January 9 at 9:00 a.m. local time. The one-day conference takes place at the Leela Palace, Bangalore, India. For more information, please visit <http://isaonline.org/images/tf-mentorgraphics.gif>, <http://isaonline.org>.

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SoftInWay Announces 2008 Schedule for Turbomachinery Flow Path Design and Optimization Courses

5 December 2007

SoftInWay announced its 2008 schedule for training courses in the design, analysis and optimization of turbomachinery flow paths featuring the Company's AxSTREAM software suite.

Course locations and dates are:

- Boston, MA, USA March 18-20
- Berlin, Germany June 6-8 (in conjunction with ASME/IGTI 2008)
- Boston, MA USA October 7-9
- TBD December (TBD)

This is a hands-on course that covers both axial and radial turbomachinery. Each course is tailored to focus on the specific interests of the attendees of that particular course, including sessions for new users, special User's Group meeting for current users, and break-out sessions on specific topics such as axial turbine and compressor retrofits and performance upgrades, etc.

The course is designed for engineers involved in the design or retrofitting of flow paths for turbines, compressors, turbochargers, fans, blowers and turbopumps, and any current user of AxSTREAM™ who is interested in getting the most out of the power of AxSTREAM™.

Course curriculum and registration details can be obtained through SoftInWay's website at <http://www.softinway.com/>. For the March course in Boston, there is a significant tuition discount if registration and payment are received prior to February 1, 2008. Locations and dates are subject to change.

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think3 Offers a Preview of 'thinkmold', the Revolutionary CAD for Moldmakers

6 December 2007

[think3](#) has chosen the most important showcase in Europe to offer a preview of thinkmold, the new solution for the design and automation of injection molds.

To date, think3's offering for moldmakers was thinkdesign. think3's 3D program is very popular due to its ability to work on any kind of imported data. With an eye on Far East markets, the company focused on the development of a new solution with specific features designed for the mold industry.

Building on thinkdesign's winning features, and on its ability to import and manage extremely complex 3D models with no information losses, thinkmold automates the molding process. One of its most relevant features is the "semantic split", which semantically automates and stabilizes the separation between punch and mold.

For example, in case of substantial modifications of a 3D model, where it is necessary to separate punch and die, this separation is enabled by means of rules defined by the moldmaker.

When a moldmaker is working on a project that is not completely defined, thinkmold is a critical support when the required modifications radically change the work done. thinkmold includes semantic selectors

that allow to identify the parting curve of an object, between punch and die, and keep it as a fixed point whenever radical topological changes of the finished object are required.

While previously think3 used to provide only its kernel, thinkcore, to create applications for the mold industry, now, with the new native thinkmold solution, it is possible to link activities with PLM's management flows, a key issue in the mold industry. In the past, moldmakers were involved in the management of the geometric aspects only, while at the moment workshop management, mold maintenance and the preservation and sharing of related information are gaining importance.

thinkmold 1.0 will be officially released with thinkdesign 2008.1.

For further information, please contact Cristina Carini, Marketing Specialist cristina.carini@think3.com, tel. 051 5971111.

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TopSolid'Mold & TopSolid'Cam on display at EuroMold Courses

December 2007

TopSolid'Mold and TopSolid'Cam are 2 software packages offered by Missler Software for the design and machining of molds. (These 2 modules include the standard design elements and machining processes involved in the mold making industry. The mold maker's way of working, together with the mold components (columns, ejectors, etc.) and technologies (standard mold bases, guide rails, etc.) used in the trade are directly accessible in TopSolid'Mold and TopSolid'Cam. You can see TopSolid'Mold and TopSolid'Cam in action at this year's [EuroMold](#) in Frankfurt, Hall 8, Stand H56.

TopSolid'Mold is a fully integrated CAD module designed to meet the highly specialized needs of mold makers and tool & die specialists. TopSolid'Mold enables calculation of the shrinkage factor, analysis of undercuts, calculation of the parting line and surface of the joint, automatic creation and definition of the core block and cavity, implementation of the standard carcass, systems of injection and ejection and analysis of the cooling system.

TopSolid'Cam, which is completely integrated with TopSolid'Mold, enables the automatic generation of the machining schedule of the mold. (TopSolid'Cam recognises the plaques, die sets and components used in the design stage) All manufacturing data produced by TopSolid'Mold will be understood by TopSolid'Cam, notably the drilling procedures for components. General mechanical processes produced by TopSolid'Cam will be automatically recognised by TopSolid'Cam. In order to respect the work habits of the mold maker it is also possible to use colour codes on parts and components that may be directly interpreted by the machining process.

Here are 3 TopSolid'Cam strong points for mold makers:

- The possibility to carry out 2D and 3D operations at the same time. In the past moldmakers would have had to separate these 2 processes on different machines. With TopSolid'Cam such operations are now possible in a fast and economical fashion.
- The automatic transformation of 3 axis tool paths in 5 axis tool paths – This function automates the transformation of a 3 axis tool path into a 5 axis tool path and is a significant improvement for mold makers. It permits the use of shorter tools to machine the part, which in turn favours good cutting conditions, a decrease in possible vibrations and a significant reduction in cycle times.

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- Automatic prevention of collisions in continuous 5 axis machining – Frequently used by mold makers the automatic prevention of collisions in continuous 5 axis machining is now available in TopSolid'Cam 2007. Therefore, the tool orientation is automatically modified in case of collisions or attachment with the part.

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TopSolid User Conference in Japan

3 December 2007

Kodama Corporation, TopSolid Platinum VAR in Japan, has recently hosted its annual TopSolid user conference in Yokohama. With over 300 participants, the conference was opened by Christian Arber, CEO of Missler Software and Hiroyuki Kodama, President of Kodama Corporation.

Kodama Corporation has been a TopSolid VAR since 1996 and today has more than 2000 TopSolid customers in Japan. Kodama serves customers in the following major industrial sectors: Automobile, Electronics, General Machinery, Precision machining, Metal and steel, Prototyping, Mold & Die, Progressive Die and general manufacturing. With such well known customer references as Panasonic, Nikon, Sony, Toshiba Corporation, etc. TopSolid is well implanted within all the leading Japanese industrial sectors.

Customers Ricoh, Suzuka Fuji Xerox and Mitsubishi Agricultural Machinery were amongst the TopSolid customers to present the benefits brought about by using TopSolid in their respective companies.

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Financial News

American Software Reports Preliminary Second Quarter of Fiscal Year 2008 Results

6 December 2007

[American Software, Inc.](#) reported financial results for the second quarter of fiscal year 2008, achieving 27 consecutive quarters of profitability.

Key second quarter financial highlights include:

- Total revenues for the quarter ended October 31, 2007 were \$23.6 million, an increase of 17% over the second quarter of fiscal 2007;
- Software license fees for the quarter ended October 31, 2007 were \$4.8 million, an increase of 11% over the second quarter of fiscal 2007;
- Services and other revenues for the second quarter ended October 31, 2007 were \$11.6 million; an increase of 25% over the second quarter of fiscal 2007;
- Maintenance revenues for the quarter ended October 31, 2007 were \$7.2 million, an increase of 9% over the second quarter of fiscal 2007; and
- Operating earnings for the quarter ended October 31, 2007 were \$2.8 million, an increase of 56% over the second quarter of fiscal 2007.

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GAAP net earnings were approximately \$2.5 million or \$0.10 per fully diluted share for the second quarter of fiscal 2008 compared to \$1.8 million or \$0.07 per fully diluted share for the same period last year. Adjusted net earnings, which excludes stock option compensation expense and acquisition-related amortization of intangibles, were \$2.8 million or \$0.11 per fully diluted share for the quarter ended October 31, 2007, compared to \$2.1 million or \$0.08 per fully diluted share for the same period last year.

Total revenues for the six months ended October 31, 2007 were \$45.3 million or a 12% increase compared to \$40.4 million for the comparable period last year. Software license fees for the six-month period were \$9.9 million or a 14% increase compared to \$8.7 million during the same period last year. Services and other revenues were \$21.4 million or a 16% increase compared to \$18.5 million in the same period last year. Maintenance revenues were \$14.0 million or a 6% increase compared to \$13.2 million in the same period last year. For the six months ended October 31, 2007, the Company reported operating earnings of approximately \$5.3 million, a 54% increase compared to operating income of \$3.4 million for the same period last year. GAAP net earnings were approximately \$4.5 million or \$0.17 per fully diluted share for the six months ended October 31, 2007 compared to \$3.1 million or \$0.12 per fully diluted share for the same period last year. Adjusted net earnings year to date as of October 31, 2007, which excludes stock option compensation expense and acquisition-related amortization of intangibles, were \$5.0 million or \$0.19 earnings per fully diluted share compared to \$3.7 million or \$0.14 earnings per fully diluted share for the same period last year.

The Company is including adjusted net earnings and adjusted net earnings per share in the summary financial information provided with this press release as supplemental information relating to its operating results. This financial information is not in accordance with, or an alternative for, GAAP and may be different from non-GAAP net earnings and non-GAAP per share measures used by other companies. The Company believes that this presentation of adjusted net earnings and adjusted net earnings per share provides useful information to investors regarding certain additional financial and business trends relating to its financial condition and results of operations.

The overall financial condition of the Company remains strong, with cash and investments of approximately \$76.4 million and no debt as of October 31, 2007. This is an increase in cash and investments of approximately \$11.3 million compared to October 31, 2006.

"American Software posted a strong performance for the second quarter of fiscal 2008, delivering an impressive 56% growth in operating earnings fueled by 17% growth in total revenues," stated James C. Edenfield, president and CEO of American Software. "With 27 consecutive quarters of profitability and positive cash flow, we will continue to use our financial strength to reinvest in the Company and expect to provide a tangible benefit to our shareholders with a quarterly dividend."

Additional highlights for the second quarter of fiscal year 2008 include:

Customers:

Notable new and existing customers placing orders with the Company in the second quarter include: Atek Medical, Caremark International, CooperVision, Cypress Medical, Henkel North America, Interface Modernform, Nike, PPG Refinish, Premier Farnell, Electrolux, Modern Amusement, SanMar Corporation, SEPTA, Stiefel Laboratories, and Whatman International.

During the quarter, software license agreements were signed with customers located in 13 countries including: Australia, Brazil, Canada, China, France, Germany, Italy, Malaysia, South Africa, Switzerland, Thailand, the United Kingdom, and the United States.

CIMdata PLM Industry Summary

New Generation Computing Inc. (NGC), a wholly owned subsidiary of the Company, announced that Parigi Group, a leader in apparel for fashion conscious kids and tweens, is implementing NGC's e-PLM and e-SPS(R) software to manage its worldwide product development and supply chain operations. With offices in New York and Hong Kong and factories throughout the world, Parigi Group sought a solution that would provide end-to-end visibility and enhance global collaboration, allowing the company to improve time to market and manage its increasingly complex, fast-paced business. Parigi Group found the ideal solution with e-PLM and e-SPS, an integrated application for Product Development and Global Sourcing that provides real-time visibility into each step of the product lifecycle.

NGC announced that Modern Amusement has implemented its RedHorse(R) software, a complete ERP solution that is designed specifically for Fashion, Apparel, Retail and Footwear. NGC's rapid implementation services enabled Modern Amusement to go live in four weeks with key business functions including purchasing and receiving, customer order processing, invoicing and accounts receivable, inventory control, and EDI. Modern Amusement, a premier designer of men's and women's sportswear, swimwear, and accessories, chose RedHorse based on its out-of-the-box, industry-specific functionality combined with ease of use and comprehensive reporting capabilities.

NGC announced that Bombay Industries and Alex Cannon have implemented NGC's RedHorse(R) software, a complete ERP solution that is designed specifically for Fashion, Apparel and Footwear. The system was deployed in production at both companies in 45 days. Alex Cannon, a leading men's casual sportswear brand sold in better department and specialty stores, selected RedHorse in May 2007 after extensive vendor evaluation.

American Software USA announced that Southeastern Pennsylvania Transportation Authority (SEPTA) has licensed the Company's web-based procurement, requisitioning and forms systems. These systems are fully integrated with the SEPTA ERP system.

Products and Technology:

Demand Management, a wholly-owned subsidiary of Logility and a global resource for managing the supply chain, announced the addition of service parts management capabilities to its replenishment software solution. These capabilities automate the process of planning and aligning service parts inventories, resources, and processes to ensure optimal customer service and response with minimal risk and cost.

Logility announced its new Carrier On-Boarding Service to accelerate implementations of Voyager Transportation Planning and Management. The new Carrier Portal, EDI and Carrier On-boarding capabilities streamline the business processes and communication with carriers and further accelerates rapid ROI by enabling visibility into loads, tenders, bids, shipment status information and freight payment.

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Synopsys Posts Financial Results for Fourth Quarter and Fiscal Year 2007

6 December 2007

Synopsys, Inc. reported results for its fourth quarter and fiscal year ended October 31, 2007.

For the fourth quarter, Synopsys reported revenue of \$315.2 million, an 11.2 percent increase compared

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to \$283.4 million for the fourth quarter of fiscal 2006. Revenue for fiscal year 2007 was \$1.212 billion, an increase of 10.7 percent from \$1.096 billion in fiscal 2006.

"We finished out the fourth quarter and fiscal 2007 with very strong financial and operating results," said Aart de Geus, chairman and CEO of Synopsys. "With unparalleled revenue visibility in the industry, a promising technology pipeline of new products and capabilities, and a favorable customer landscape, we have a solid outlook for 2008."

GAAP Results

On a generally accepted accounting principles (GAAP) basis, net income for the fourth quarter of fiscal 2007 was \$41.0 million, or \$0.27 per share, compared to \$10.1 million, or \$0.07 per share, for the fourth quarter of fiscal 2006.

GAAP net income for fiscal year 2007 was \$130.5 million, or \$0.87 per share, compared to \$24.7 million or \$0.17 per share, for fiscal 2006.

Non-GAAP Results

On a non-GAAP basis, net income for the fourth quarter of fiscal 2007 was \$60.0 million, or \$0.40 per share, compared to non-GAAP net income of \$30.7 million, or \$0.22 per share, for the fourth quarter of fiscal 2006.

Non-GAAP net income for fiscal year 2007 was \$204.9 million, or \$1.37 per share, compared to non-GAAP net income of \$111.8 million, or \$0.77 per share, for fiscal 2006.

Non-GAAP net income consists of GAAP net income excluding employee share-based compensation expense calculated in accordance with FAS 123[®] and, to the extent incurred in a particular quarter or period, amortization of intangible assets, in-process research and development charges, integration and other acquisition-related expenses, facilities and workforce realignment charges, and other significant items which, in the opinion of management, are infrequent or non-recurring. See "GAAP Reconciliation" below.

Financial Targets

Synopsys also provided its operating model targets for the first quarter and full fiscal year 2008. These targets constitute forward-looking information and are based on current expectations. For a discussion of factors that could cause actual results to differ materially from these targets, see "Forward-Looking Statements" below.

First Quarter of Fiscal Year 2008 Targets:

- Revenue: \$308 million - \$316 million
- GAAP expenses: \$262 million - \$278 million
- Non-GAAP expenses: \$236 million - \$246 million
- Other income and expense: \$3 million - \$6 million
- Tax rate applied in non-GAAP net income calculations: 27 - 28 percent
- Fully diluted outstanding shares: 146 million - 151 million
- GAAP earnings per share: \$0.20 - \$0.28
- Non-GAAP earnings per share: \$0.37 - \$0.39

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- Revenue from backlog: greater than 90 percent

Full-Year Fiscal Year 2008 Targets:

- Revenue: \$1.300 billion - \$1.315 billion
- Tax rate applied in non-GAAP net income calculations: 27 - 28 percent
- Fully diluted outstanding shares: 146 million - 151 million
- GAAP earnings per share: \$0.94 - \$1.11
- Non-GAAP earnings per share: \$1.54 - \$1.60
- Cash flow from operations: greater than \$325 million

GAAP ReconciliationSynopsis' management evaluates and makes decisions about the Company's business operations primarily based on the bookings, revenue, and direct, ongoing and recurring costs of those operations. Management does not believe amortization of intangible assets, in-process research and development charges, integration and other acquisition-related expenses, facilities and workforce realignment charges and other significant infrequent items are ongoing and recurring operating costs of its core software, intellectual property and service business operations. In addition, while employee share-based compensation expense calculated in accordance with FAS 123® and change in the fair value of the Company's non-qualified deferred compensation plan obligations constitute ongoing and recurring expenses of the Company, such expenses are excluded from non-GAAP results because they are not expenses that require cash settlement by the Company and because such expenses are not used by management to assess the core performance of the Company's business operations. Therefore, management excludes such costs, to the extent incurred in a particular quarter, from the following historical and targeted GAAP financial measures included in this earnings release: total cost of revenue, gross margin, total operating expenses, operating income, income before provision (benefit) for income taxes, provision (benefit) for income taxes, net income and net income per share.

For each such measure, excluding these costs provides management with more consistent, comparable information about the Company's core performance. For example, since the Company does not acquire businesses on a predictable cycle, management would have difficulty evaluating the Company's performance as measured by gross margin, operating margin, income before taxes and net income on a period-to-period basis unless it excluded acquisition-related charges. Similarly, the Company does not undertake significant restructuring or realignments on a regular basis, and, as a result, excludes associated charges in order to enable better and more consistent evaluations of the Company's operating expenses before and after such actions are taken. Management also uses these measures to help it make budgeting decisions, for example, as between product development expenses (which affect cost of revenue and gross margin) and research and development, sales and marketing and general and administrative expenses (which affect operating expenses and operating margin). Finally, the availability of such information helps management track performance to both internal and externally communicated financial targets and to its competitors' operating results.

Management recognizes that the use of these non-GAAP measures has certain limitations, including the fact that management must exercise judgment in determining whether certain types of charges, such as those relating to workforce reductions executed in the ordinary course, should be excluded from non-GAAP results. However, management believes that, although it is important for investors to understand GAAP measures, providing investors with these non-GAAP measures gives them additional important

information to enable them to assess, in a way management assesses, Synopsys' current and future continuing operations.

Reconciliation of Fourth Quarter Results.

See the full press release at

http://www.synopsys.com/news/announce/press2007/earnings/earnings_q407.pdf

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Implementation Investments

Apollo Tyres Gains Competitive Edge with Realistic Simulation from Dassault Systèmes' SIMULIA Brand

5 December 2007

Dassault Systèmes ([DS](#)) announced that Apollo Tyres Ltd., the leading Indian tire manufacturer, is using Abaqus Unified Finite Element Analysis (FEA) software from [SIMULIA](#) to evaluate and improve product performance which is helping the company grow as a preferred partner for global automotive OEMs.

Tire development requires the evaluation of a complex combination of rubber, steel, and other layered materials. For products such as large, off-road radial tires, testing even a few physical prototypes is expensive and time-consuming. Apollo Tyres uses Abaqus Unified FEA in the initial stages of all new-product development to evaluate alternative concepts, guide design decisions, and refine product performance.

“Abaqus software helps us achieve design and performance goals efficiently,” says P.K. Mohamed, chief of technology and R&D at Apollo Tyres. “Realistic simulation reduces design cycle time and cost, while enabling our engineers to evaluate design properties and optimize product performance. We selected Abaqus because it is a world-class design analysis product with specific functionalities for tire analysis.”

“In the tire manufacturing industry, Abaqus is the preferred simulation software due to its robust analysis capabilities for simulating real-world performance of complex materials undergoing large deformation and contact,” stated Ken Short, vice president, SIMULIA strategy and marketing. “We continually strive to enhance our technology which helps our customers, such as Apollo Tyres, meet product performance specifications quickly and cost-effectively.”

[Apollo Tyres](#) has implemented Abaqus Unified FEA as an integral tool in the development of all categories of their radial tires. The software provides a unified simulation environment to accelerate the evaluation of tire durability, tread wear, vehicle handling, noise and vibration, and rolling resistance. Optimizing tire performance for these attributes plays a crucial role in improving vehicle safety, reliability, passenger comfort, and fuel economy.

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Astronics AES Improves Product Efficiencies with Omnify Software

3 December 2007

CIMdata PLM Industry Summary

Omnify Software announced that Astronics AES, an electronics manufacturer for commercial and military aerospace platforms, is using Omnify Software to streamline product development processes and improve efficiencies.

Astronics produces well over 100 products, each with their own processes and workflows, and over 20,000 parts. To position themselves for continued growth, the executive team was motivated to look at new strategies that would maintain the company's competitive edge and product reputation in bringing leading electrical power to passengers and airline personnel. Investing in a PLM system to tighten product lifecycle processes and ensure that accurate product data was shared among design and manufacturing teams was the first step.

"We evaluated a number of PLM systems for the purpose of creating a best practices environment and found Omnify's PLM software stood out from the crowd of PLM vendors in terms of it being a robust system, having a seamless interface to our Intuitive ERP system, and extremely good people standing behind the Omnify product," stated Marty Jeide, program manager for Astronics AES.

Astronics has maximized efficiencies by establishing a controlled environment to manage all product data and implement formal processes via Omnify. The ability to automatically upload design data to Astronics' Intuitive ERP system and ensure all team members have access to accurate data has prevented late-stage rework issues, delivering significant cost-savings for the company. Omnify also facilitates Astronics AES's ability to meet ISO and FAA regulations by providing the necessary functionality to store, track and report data required by these regulatory bodies.

[Astronics AES](#) will expand their use of Omnify to track capital equipment, personnel data, and training certificates with the new project, quality/CAPA and training requirements management functionality in Omnify's latest release, Empower.

"Like Astronics AES, many customers selected Omnify due to our comprehensive solution and ability to easily integrate with their existing systems," said Chuck Cimalore, CTO for Omnify Software. "Our goal is to meet our customers' specific product development needs with a solution that is quick to implement and easy to adopt."

[Read the complete Omnify and Astronics success story](#)

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Avionics Manufacturer Goes Live with Ingenuus Process Orchestrator™ to Manage Product Lifecycles

3 December 2007

Ingenuus Software Inc. (<http://www.ingenuus.com/>) announced that Teledyne Controls, a business unit of Teledyne Technologies Inc. has gone live with Ingenuus Process Orchestration software to manage their Product Lifecycles.

Headquartered in El Segundo, California, Teledyne Controls is an industry leader designing and manufacturing avionics and ground-related electronic systems for commercial air transport, business and regional aviation, and government and defense applications. Teledyne Controls is using Ingenuus to manage engineering change orders related to product data. Once a new bill of materials has been released, Ingenuus will automatically write the new product information into their Mapics ERP software.

CIMdata PLM Industry Summary

Future plans include using Ingenuus to automate other horizontal processes to improve quality and efficiency.

"With our software, Teledyne Controls will be able to control process activities and get visibility into process status," explains Christopher Williams, Ingenuus CEO. Being able to see what is happening in real time, while also being alerted automatically by the system when something is late, means being more proactive rather than reactive. In many cases, an early task that becomes late, such as a part on backorder, has a trickle down effect that can be eliminated or reduced if the problem is seen quickly enough. "The sooner you know something is wrong, the quicker it can be fixed," says Williams. "And that saves time and money."

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Berkeley Design Automation Analog FastSPICE™ Selected by Axiom Microdevices for Full-Circuit and Complex-Block Verification

4 December 2007

[Berkeley Design Automation Inc.](#) announced that Axiom Microdevices Inc., provider of the world's first and only fully integrated CMOS power amplifiers for mobile handsets, has selected the company's Analog FastSPICE™ circuit simulator for full-circuit and complex-block verification of its complex RF ICs. Axiom Microdevices' patented technology offers the latest advances in RF integration, enabling customers to reduce design complexities and bill of materials, while optimizing performance and guaranteeing supply continuity.

"Analog FastSPICE produced identical results as our SPICE simulator 5x faster for our full-circuit power amplifier with all the packaging models," said David Kang, vice president of engineering for Axiom Microdevices. "We also used Analog FastSPICE on complex RF blocks where it delivered identical results 14.5x faster than SPICE and was the only tool to deliver silicon-accurate noise analysis."

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

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

"We are delighted that Axiom Microdevices has chosen Analog FastSPICE for their CMOS based power amplifier verification flow," said Ravi Subramanian, president and CEO of Berkeley Design Automation. "Full-circuit performance simulation with packaging effects, complex-block verification, and accurate noise analysis are key requirements for wireless nanometer designs and we are proud to enable Axiom Microdevices to add this capability to their flow."

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CIMdata PLM Industry Summary

Cadence Marks 100th Customer Adoption of Encounter Timing System

4 December 2007

Cadence Design Systems, Inc. announced that the Cadence® Encounter® Timing System sign-off solution has been adopted and deployed by 100 customers since its launch just one year ago. Already in use by companies such as TSMC, Freescale Semiconductor and Faraday Technology Corp., Encounter Timing System plays an integral role in the design and development of leading-edge chips ranging from networking and telecommunications devices to microprocessors and graphics chips. Encounter Timing System is now being employed by customers 99 and 100, the innovative startups Luminary Micro and Element CXI.

Encounter Timing System is a complete and integrated electrical signoff environment, enabling faster optimization, debug and final verification of designs for timing, signal integrity, power and statistical analysis. Its innovative interface provides a common electrical view through every stage of the design flow, enabling significantly increased productivity and accelerated time to market while supporting a robust debug environment capable of providing rapid diagnosis of multi-dimensional and interdependent design-closure issues. Cadence Encounter Timing System is also an integral element of the Cadence SoC Encounter™ RTL-to-GDSII system, where it helps to reconcile timing and improve the overall predictability, productivity and performance of the design.

"We have successfully taped out five industry-leading microcontroller chips using the signoff-driven implementation in the SoC Encounter system," said Dale Littwin, CAD manager at Luminary Micro. "We are impressed by the productivity improvements in signal integrity and global timing debug, as well as the unified environment. We have used the common timing engine in both the SoC Encounter system and Encounter Timing System for some time now and consider it a mature solution for signoff timing."

"We have successfully taped out our Elemental Computing Array (ECA-64) chip at 90 nanometers with Encounter Timing System," said Joseph Hassoun, director of Hardware Engineering, Element CXI. "The correlation to silicon and the fast run times achieved by using Encounter Timing System exceeded our expectations. We plan to continue using Encounter Timing System on our upcoming design tape-outs."

"It's great to see these innovative semiconductor companies joining the ranks of IC providers and design houses that have adopted Encounter Timing System for their leading-edge designs. Achieving 100 customer adoptions so quickly is a strong validation of the value and quality of Encounter Timing System," said David Desharnais, group director of IC Digital Marketing at Cadence. "In addition, new features such as statistical analysis will enable our customers to unlock the true potential of smaller process geometries."

A ubiquitous technology within the Cadence Digital Implementation solution and a component of the [Cadence](#) Logic Design Team Solution, Encounter Timing System is available in L, XL and GXL offerings.

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CGNPC chooses AVEVA NET

28 November 2007

AVEVA announced that China Guangdong Nuclear Power Holding Co., Ltd. ([CGNPC](#)) has recently invested in AVEVA NET, the web-enabled platform for the integration of various engineering

information.

Peter Finch, President, AVEVA Asia Pacific, said:

"Since 2001, CGNPC has invested in [AVEVA Plant](#) products, including AVEVA PDMS, AVEVA VPE, AVEVA VPRM. AVEVA NET will complement these products by delivering all project data into a single information management hub for easy and efficient access. AVEVA has a proven track record of providing solutions to the nuclear power generation industry and we see that trend continuing in China."

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ColdWatt Chooses Arena PLM to Help Deliver Disruptive Technology and Penetrate Deep-rooted Competitive Market

5 December 2007

[Arena Solutions](#) announced that ColdWatt, Inc. has implemented Arena PLM as its backbone for delivering the company's disruptive technology and breaking ahead of deep-rooted competition in the highly commoditized and price-competitive server, storage and networking power markets that haven't seen major innovations in decades.

ColdWatt, a manufacturer of high density power solutions for the computing, networking, storage and telecommunications markets, uses Arena PLM to control its entire product record, and manage engineering change, RoHS (Restriction of Hazardous Substances) compliance, testing and manufacturing processes. Using Arena helped ColdWatt scale its business without significant increases in headcount or operating costs. The company's energy-efficient power conversion solutions, that surpass industry efficiency-level targets, enable IT equipment vendors to decrease operational expenditures and help its server customers achieve their green IT goals.

"After evaluating several competing PLM solutions, ColdWatt selected Arena for its cost, capabilities and ease of use. Arena is an excellent tool that helps us demonstrate complete control over our entire product record and has definitely helped us as we grow our business quickly," said Joe Lamoreux, chief executive officer at ColdWatt. "More than half of our worldwide employees—from Texas to Bangalore, India, to Shenzhen, China—are using the software. Arena captures information we'd lose if we relied only on e-mail, telephone conversations or spreadsheets. Now we can get to our information any time from an Internet browser anywhere in the world."

Because Arena PLM is a web native, on-demand (SaaS) application, it offers companies significant advantages related to connectivity, in addition to cost savings, security, ease of implementation and use. All data is hosted by Arena, so customers need not maintain servers in multiple locations or an IT support staff for the application, the way they would with other PLM applications. As a result, it takes very little to no overhead to support Arena PLM, particularly across multiple locations.

"ColdWatt is going up against some powerhouses in its market and winning because of their significant technological advancements. They are an agent of change and we're delighted they have been able to confidently count on the Arena PLM infrastructure and keep marching in front of the pack to bring real disruptive change to their industry," said Michael Topolovac, chief executive officer, Arena Solutions.

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Cyclone Power Technologies Throttles up 'Green' Engine Design with SolidWorks 3D CAD Software

3 December 2007

[Cyclone Power Technologies, Inc.](#) is using [SolidWorks](#) 3D CAD software to design an environmentally friendly combustion engine that can power everything from small generators to ships but “green” enough to dramatically reduce harmful emissions.

Developed by Cyclone President and CEO Harry Schoell, the Cyclone Clean Air Engine regenerates (or recycles) its heat, which allows it to run cleaner, cooler, and more efficiently than traditional internal combustion engines. The patented Cyclone Clean Air Engine uses an outside source to heat fluid (such as biofuel, ethanol, gasoline, etc.) that expands to turn a motor or initiate other work.

“By eliminating oil pumps, radiators, catalytic converters, and other processes, we’ve simplified the combustion process, yielding cleaner power that is more affordable to produce and maintain,” said Cyclone Vice President of Sales and Marketing Wilson McQueen. “SolidWorks software gives us the 3D visualization to see how to improve the Cyclone Clean Air design so it can work for a variety of applications.”

The company is working with industry leaders to develop variations of the engine so that it can power small and large generators, cars, trucks, heavy equipment, and other applications. In the process, the engineering team constantly designs, tests, builds, and runs different engines to measure everything from horsepower to carbon monoxide output.

“Working in 2D forced us to draw assemblies several times to change anything. SolidWorks lets us draw the same assemblies once and automates changes throughout the design so we know it is accurate,” said Cyclone Chief Engineer Michael Hodgson. “This confidence in our work encourages us to try different concepts we probably wouldn’t have in 2D – which is critical in developing what may become a new paradigm.”

Hodgson and his team designed and evaluated an entire engine with 500 components in SolidWorks a month after deploying the software. “The same process would have taken several months in 2D and forced engineers to evaluate and re-draw parts because of engineering changes or errors,” said Hodgson. Cyclone uses SolidWorks eDrawings® e-mail-enabled design communication tool to share 3D models and 2D drawings with internal team members as well as suppliers and potential customers.

“Gas-powered engines that reduce emissions yet provide enough oomph to drive heavy equipment have long been a pipe dream,” said SolidWorks Vice President of Worldwide Marketing Rainer Gawlick. “Cyclone Power is at the forefront of green engine design, using SolidWorks software to develop the next evolution that could be coming down the assembly line.”

Cyclone relies on authorized SolidWorks reseller [The SolidExperts](#) for ongoing software training, implementation, and support.

Global CO₂ emissions will jump from 26.9 billion metric tons to 42.9 billion metric tons by 2030.(1)

U.S. transportation CO₂ emissions grew 25.4 percent between 1990 and 2006.(2)

Internal combustion engines burning at 3,000 degrees Fahrenheit or more emit harmful gases such as carbon monoxide, carbon dioxide, and nitrous oxide.

The Cyclone Clean Air burns at less than 2,300 degrees, emitting almost no CO, CO₂, or NO_x.

1,2 Source: U.S. Dept. of Energy

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Dassault Systèmes Helps Swedish University Prepare Local Workforce

6 December 2007

Dassault Systèmes ([DS](#)) announced that Chalmers University of Technology has decided to incorporate DS's CATIA, ENOVIA SmarTeam and DELMIA solutions as part of its curriculum for engineering students. With regional automotive and aerospace companies increasingly using these solutions to execute key business strategies, Chalmers will help future job candidates increase their chances for hiring and career success within these industries.

“Volvo Cars, AB Volvo, Saab Aerospace, Husqvarna and Kongsberg Automotive, as well as consultancy firms are some of the companies using Dassault Systèmes' PLM solutions. By training our engineering students on DS's solutions, we are giving them a competitive advantage for the job market,” says Professor Johan Malmqvist, Chalmers University of Technology. “In this way, we also hope to help local companies grow and remain competitive globally.”

Chalmers purchased 200 seats of Dassault Systèmes solutions in order to provide their students with professional development tools and industry-standard solutions.

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Delcam's OMV Cuts Press Tool Manufacturing Times in Half at COC Tooling

7 December 2007

The introduction of Delcam's PowerINSPECT On-Machine Verification system has allowed Taiwan's leading press tool manufacturer, COC Tooling & Stamping, to halve the time need to manufacture its tools. The new technology has helped the company gain the maximum benefit from its recent investment in high-accuracy, high-speed machining equipment.

Established in 1990, COC now employs around 450 people on its 50,000 sq.m. site in Taoyuan County, Taiwan, where it specialises in tooling for large automotive body panels. These tools are supplied to major manufacturers, including Ford, Nissan, Toyota, GM and Mitsubishi. COC is justifiably proud of the many awards it has received from these customers, in particular its 2003 Ford Global Suppliers World Excellence Award, which is only given to ten suppliers each year. Initially formed as a joint venture with Japanese company Ogihara, the company has recently become an independent Taiwanese venture.

Company President, Mr. Y.K. Tseng, explained that the introduction of PowerINSPECT OMV had produced enormous increases in productivity, even though it had only been in use for six months. "With On-Machine Verification, we can measure the press tools on the machine and find out if there are any problems immediately," he claimed. "We can obtain a direct comparison with the CAD model, which is much more reliable than using inspection methods based on drawings."

Most of the machine tools at COC are between four and five meters in length, and many of the press tools being manufactured are of a similar size. "Moving parts of that weight and size to the CMM for inspection used to be extremely difficult and slowed down the whole production process," said Mr. Tseng.

The main problem with these large tools is that the longer cutters needed to machine to their full depth

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can be pushed out of alignment, especially near the bottom of the part. This gives an oversize surface on the punch, while the cavity will be undersize.

"Previously, because of the problems in setting up the tool back on the machine, we would use hand finishing to correct any errors," remembered Mr. Tseng. "This wasn't very accurate and was also very time-consuming. Now, we can re-machine the surface on the machine tool, which is both faster and more reliable."

This higher quality can be seen in the much reduced try-out times needed for new tools. "We can now be confident that the tool will work as soon as it comes of the machine," claimed Mr. Tseng.

Prior to the introduction of PowerINSPECT OMV, COC had been a Delcam customer for several years, using the PowerMILL CAM system for all its 3D machining. "We introduced our first PowerMILL seat around three years ago," said Mr. Tseng. "Our operators found it easier to use and we could obtain a much better surface finish so we decided to standardise on the Delcam software. We have seen even more improvements following the introduction of our new 15,000 rpm spindle machines."

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Michael Kors, Leading Fashion Designer, Selects Dassault Systèmes' PLM Solution to Manage Growth

6 December 2007

Dassault Systèmes ([DS](#)) announced that Michael Kors, a leading American fashion designer for luxury accessories and sportswear, has selected its ENOVIA MatrixOne Apparel Accelerator™ for Design and Development to support its growth plans. The solution, which is scheduled to be implemented by the end of Q1, 2008, will ensure that Michael Kors has the processes in place to support innovation and product quality as the company continues to grow.

"Over the last four years we have experienced explosive growth; we expect this trend to continue as we expand our retail presence and introduce new product lines. From a business perspective it was strategically important for us to find a PLM solution that could be implemented quickly, provide an open platform that could interact with other applications and ultimately scale to meet future demands," said Gia Castrogiovanni, president, Women's, Michael Kors.

With a diverse product portfolio, incorporating everything from ready to wear and accessories to fragrance and bedding, it was important for Michael Kors to be able to implement a solution that could manage their interactions with suppliers as well as harness the complexity of product development in an environment of rapid growth. The ENOVIA approach is ideally suited to meet this challenge and will enable Michael Kors to rapidly deploy a common infrastructure that automates and integrates product data, business processes, and development workflows throughout the life of the product.

"In addition to its technology meeting all of our key criteria, ENOVIA was selected because of its demonstrated ability to address similar challenges with world class brands and its record of success in retail and manufacturing," added Joseph Desantis, CIO, Michael Kors.

"As a globally recognizable brand with an impressive track record of success, we are pleased that Michael Kors has selected our PLM solution as the foundation for its future growth," said Mike Segal, senior vice president, global sales operations for ENOVIA, Dassault Systèmes.

The ENOVIA MatrixOne Apparel Accelerator for Design & Development™ enables companies to

rapidly deploy a state of the art, scalable enterprise solution for apparel design and development that can help them take products from trend to design to sourcing to manufacturing to the customer within a single, collaborative environment.

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ModernTech Mechanical Selects SolidProfessor Training and Support Services

4 December 2007

ModernTech Mechanical, a Value Added Reseller (VAR) of SolidWorks, has selected SolidProfessor's self-paced multimedia instruction to complement its current training and support services for their customers. Demand among engineering professionals for immediately accessible answers to their design questions is being addressed by ModernTech's addition of SolidProfessor's (24/7) feature rich multimedia content to reinforce the live learning experience.

[SolidProfessor](#), a SolidWorks Solution Partner, has developed a custom training and support solution integrated inside the SolidWorks design environment that complements the first class training and support services offered by ModernTech. Now ModernTech training and support services will include on-demand multimedia content developed by SolidProfessor's team of certified SolidWorks Professionals and Instructors. ModernTech customers will have access to SolidProfessor's proprietary Learning Management System (LMS) that includes quick search functionality; real time course updates, semi-monthly Tips and Tricks, automatic progress tracking, a custom course builder, online testing and reporting, and exercises with downloadable part files. In addition to the LMS, SolidProfessor includes the first of its kind "Search- On-Demand" productivity add-in for SolidWorks that allows users to access training at the click of a mouse without ever leaving the SolidWorks design environment. Installed as an add-in and accessible through the SolidWorks Task Pane, SolidProfessor's "Search-On-Demand" enhancement for SolidWorks 2008 makes it easier than ever for CAD Professionals to get their design questions answered with the least disruption to their work flow.

About ModernTech

Representing SolidWorks since 1996, ModernTech Mechanical is a value added reseller representing leading design technology providers such as SolidWorks, Z Corporation, CADpo and others. ModernTech Mechanical is focused on the needs of companies in the mechanical and manufacturing marketplace and is the largest SolidWorks reseller in the Southeast. They are one of 2 subsidiary divisions owned by Modern Technology Corporation. Modern Technology Corporation was created in 1988 to serve the architects and engineers of the world and the industries in which they work. Both divisions sell, service, and support the top engineering and design technology solutions available on the market.

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MyWorkPLAN Manages Mold Production at Celoplás

1 December 2007

Producing 90 million parts each year, Celoplás – Plásticos para a Indústria, S.A. is a leading Portuguese company in the plastic injection molding market. It specializes in the manufacture of precision parts and assemblies weighing between 0.05 and 300 grams, for a wide range of applications at its factory in Barcelos. 95% of its products are exported, and are used in many industries including automotive,

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electronic, and optical. Quality standards are high and it has ISO 9001:2000 and TS 16949 accreditation.

In 1992, the company expanded its activities and added a tool room. Initially this was to make molds for its own use, but this has now been extended to offer toolmaking facilities to other molding companies. The tools it manufactures are for molding thermoplastics, thermosetting and silicone materials and can include some complex features such as collapsible cores, micro hot runners and molded-in pins.

To help control the production of these molds, Celoplás chose to install SESCOI's MyWorkPLAN job management software, which tracks the mold from quotation right through to delivery, providing up to date status and reporting through an easy to use interface. MyWorkPLAN has been designed to be simple to implement. For Celoplás, SESCOI's training and technical support was 100% online. Bruno Correia of the company commented, "This method worked very well for us."

Starting with MyWorkPLAN's estimator, he uses the software to calculate each quotation for a mold or mold modification. "MyWorkPLAN Analyser allows us to compare and filter completed jobs with similar characteristics so that we can quickly arrive at a cost for a new tool. This will include the type of mold, details of work to be carried out and, of course, the associated costs."

MyWorkPLAN also helps the company to keep control of the documentation for each job. Bruno Correia continued, "There are many files which define each tool, including 3D STEP files, lists of the mold components, traceability records for the material used, and details of heat treatment operations." Having this information collated and readily available helps the company to achieve compliance with its high quality standards, provides historical information ready for future mold modification and repair, and invaluable information for refining future quotations.

Once a quotation has been accepted, the software converts it to a works order, extracting all the information from the quotation to eliminate duplicate data entry. Jobs can include new tools, mold modifications and repairs. Bruno Correia added, "MyWorkPLAN lets me separate all the costs, and run a report which shows me exactly where they have been allocated." Reports available in the software can show summaries such as hours worked on each job, subcontracting events, materials used, and the delivery status of each part. Having this information available allows users to compare the actual situation with the plan and makes it possible for managers to take appropriate action, where required, before the job is delivered.

Job planning with MyWorkPLAN enables the company to see the load on its resources. This is particularly important for Celoplás, as its extensive injection molding shop necessarily creates a significant quantity of mold maintenance. Bruno Correia explained, "By scheduling the manufacture of new molds in MyWorkPLAN, I can ensure that we still have sufficient time available to complete the maintenance required to keep our molding machines running efficiently." To keep track of operations on the shop floor, Celoplás uses MyWorkPLAN's MytimeManagement, which they have found to be more reliable than touch screens. Bruno Correia concluded, "We have found that the recorded working hours are significantly more accurate with this system. This is important to us as it gives us reliable information about the status of jobs and ensures that any alarm concerning a late operation, reflects what is actually happening in the workshop."

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Open Text's Software Selected by Marathon for Enterprise-wide Content and Records Management

6 December 2007

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Open Text™ Corporation announced that Marathon Oil Corporation, the fourth-largest U.S.-based integrated oil and gas company, has selected Open Text as its ECM software provider for its company-wide enterprise content and records management solution. The software, which will be deployed to about 20,000 users around the world, will help Marathon improve business processes and give employees new ways to share business content, including documents, records, email, Web content, and information stored in Microsoft Office SharePoint Server.

Open Text's approach of enabling a centralized view of business content across all systems, repositories and geographies, and the company's ECM integration with Microsoft Office SharePoint Server and Microsoft Exchange, were powerful drivers in the company's decision to go with Open Text.

"The major objective of the Enterprise Content Records Management (ECRM) program is to make sure that Marathon personnel are accessing relevant, up-to-date and trusted information. This includes the ability to identify, capture, preserve, and classify records from across the Marathon enterprise. Our selection of [Open Text](#) as our ECRM standard includes an end-user interface strategy to integrate Microsoft SharePoint with Open Text's software, so employees can continue to work in Microsoft interfaces, while we implement the lifecycle management capabilities we need from Open Text," said Doug Couch, ECRM Program Manager for Marathon.

Federated search capabilities will provide the ability to search not only SharePoint Server content across multiple sites, but also content stored in Open Text's ECM repositories.

To manage email, Marathon will use Open Text's email management solution for Microsoft Exchange. The solution combines foundational email archiving with records management capabilities.

"Locating, accessing and preserving information across multiple corporate repositories is becoming increasingly important as oil and gas companies focus on productivity and complying with the regulations governing the energy sector," said Steve Best, Vice President, Energy and Chemical Sales at Open Text. "We are pleased that Marathon Oil has chosen to work with Open Text for its ECRM program."

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SENER Setup First China FORAN Technical Support Center

4 December 2007

An opening ceremony for the first FORAN China Technical Support Center was held in September the 27th in Zhenjiang, China. At the same time a cooperation agreement was signed between Jiangsu University of Science and Technology ([JUST](#)), SENER INGENIERIA Y SISTEMAS, S.A. (SENER) and United Force Corporation (UFC). Mr. Dong Shirun, Vice President of JUST, Mr. Luis Garcia, Executive Vice President of SENER Marine and Mr. Jeff Song, Vice President of UFC attended the ceremony. According to the agreement, 50 licenses of FORAN are installed in JUST for educational purposes and the execution of real projects.

"With a long history and a very large user group, FORAN is the best shipbuilding CAD/CAM system," Mr. Dong Shirun said in his speech, "and it is a great honour for JUST that the first FORAN China Technical Support Center has been setup in JUST. As an educational organization, we are willing to take advantage of our situation to give FORAN courses to our students and also to the people from shipyards". Mr. Dong also emphasized that in order to give strong support to Chinese users of FORAN, JUST will also develop necessary functions, such as localization and customization, based on FORAN.

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Mr. Luis Garcia was very pleased with the set up of the first China FORAN Technical Support Center. He indicated that the Chinese shipbuilding industry is increasing rapidly and is expected to be No.1 in the world in the near future, so the requirement for more and more professional ship designers must be increased in the coming years. SENER sees that the implementation of FORAN in China can be a great asset in the education of the students in JUST, and can also help the growth of Chinese shipbuilding industry with the most advanced technology. “We are in China to stay in the long term”, he concluded.

Mr. Luis Garcia also announced that SENER will grant a scholarship to a graduate from JUST to study in Europe for shipbuilding related Master Degree.

“To help Chinese shipyards in building up a Digital Shipbuilding System is the strategic step of UFC”, said Mr. Jeff Song, “we will leverage our experience and best practices in CAD/CAM/CAE/PLM implementation into the shipbuilding area. Now our FORAN team is ready to provide high quality services to Chinese users. We hope to create a Win-Win result in the promotion of FORAN in China”.

Already the training and a part of the localization of FORAN has been started in the School of Machinery and Power Engineering of JUST. And later on, the School of Naval Architecture and Ocean Engineering of JUST will also use FORAN in their work.

About UFC

United Force Corporation is a high technology company headquartered in USA. UFC has provided consulting, implementation and technical services of CAD/CAM/CAE/PLM systems to more than 500 Chinese customers and has helped them in the building up of their Digital Manufacturing System and Digital Shipbuilding System. UFC is the only distributor of FORAN in the Chinese market.

Please visit: <http://www.ufc.com.cn/> for more information

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Telelogic signs 1.1 MUSD Agreement with Leading Asia Pacific Industrial Automation and Transportation Service Provider

3 December 2007

[Telelogic](#) announced that it has signed a 5 year 1.1 MUSD license and maintenance agreement with an Asia Pacific industrial automation and transportation service provider.

The agreement doubles the existing contract and will see the company extend their current usage of Telelogic’s Solutions for Enterprise Lifecycle Management. The contract includes Telelogic DOORS® for requirements analysis, definition and management, Telelogic System Architect® for enterprise architecture and business process modeling, Telelogic Synergy™ for change and configuration management across the enterprise and Telelogic Tau® for standards-based Model Driven Development™ (MDD™).

“We are delighted that the customer has both extended and expanded the existing agreement,” said Anders Lidbeck, President and CEO of Telelogic. “The new contract is further endorsement of Telelogic’s ability to understand customer requirements in all industry sectors and deliver the solutions necessary to ensure success.”

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Toshiba Information Systems (JAPAN) Corporation Adopts Catapult C Synthesis for Next-Generation ASIC Design

4 December 2007

[Mentor Graphics Corporation](#) announced that [Toshiba Information Systems \(JAPAN\) Corporation](#) has adopted Mentor Graphics Catapult® C Synthesis tool to develop their next generation application specific integrated circuits (ASICs) for audio, communication and image processing systems. Toshiba Information Systems (JAPAN) Corporation selected the Catapult C Synthesis tool based on the product family's maturity and the productivity improvements it offers compared to other high-level synthesis methodologies.

“We custom develop various chips for our customers, from block-level to complete system-on-chip (SoC), for applications including imaging, communication, audio and control. Catapult C Synthesis helped us extend our design service because we are now able to take our customers’ rich C language design asset and immediately turn it into hardware,” said Mr. Akira Nakazawa, Expert, Sales Department II, Embedded System Sales Division, Toshiba Information Systems (JAPAN) Corporation. “By using Catapult C Synthesis, we can significantly shorten their time to market, while flexibly supporting high-level design, that will help further enhance our win-win relationship with customers.”

Toshiba Information Systems (JAPAN) Corporation is a leader in developing communications and multimedia systems for commercial and consumer applications. In the course of its work, the organization implements many complex algorithms in high-performance hardware. This process can take months to complete with traditional register transfer level (RTL) design, risking schedule slip and disrupting stable customer relationships. The Catapult C Synthesis tool is the first product to automatically generate RTL from a pure ANSI C++ source where both the core algorithm and interface are untimed. This productivity improvement gives designers time and freedom to automatically perform detailed design exploration of different micro-architectural options and interface scenarios to quickly achieve fully optimized hardware designs for either ASIC or field programmable gate array (FPGA) implementations. Catapult’s SystemC verification extension offers integration to industry standard SystemC verification platforms and tools providing a complete electronic system level (ESL) design and verification methodology.

“We have applied Catapult C Synthesis to an eigenvalue decomposition circuit, and it was right on the target; a perfect fit. Eigenvalue decomposition algorithms contain a myriad of operators, performing trigonometric, square root, multiplication and division calculations, and it is a complex circuit with all of these operations closely intertwined. Even preparing a SystemC description for behavioral synthesis would require enormous amounts of time and effort, not to mention difficulties with RTL,” said Mr. Akiyoshi Ohguro, Group Leader, LSI Design Center Dept.5, LSI Solution Division II, Toshiba Information Systems(JAPAN) Corporation. “The ability of Catapult C Synthesis to perform algorithmic synthesis from ANSI C with quantization is truly amazing. Also, for eigenvalue decomposition, you must prepare many designs with different array sizes, using real numbers and complex matrixes, etc. for each application (MIMO, MUSIC method, diversity and KL conversion, etc.). With Catapult C Synthesis, this was simply a matter of changing the algorithm in C, and with some trial and error we were able to produce RTL suitable for each application in just one day or several days at most.”

“Toshiba Information Systems (JAPAN) Corporation is one of the most innovative systems houses in Japan, and the company’s adoption of Catapult represents a major accomplishment for Mentor Graphics,” said Simon Bloch, general manager of Mentor Graphics Design Creation and Synthesis Division. “Since entering the Japan market in 2005, Catapult has consistently gained market share in the

region, and is now in use at six of the top seven system houses in Japan. By providing excellent results to forward-thinking customers like Toshiba Information Systems (JAPAN) Corporation we are confident Catapult C Synthesis will continue to increase its market share lead in Japan.”

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VW Optimizes Ergonomic Integrity with Dassault Systèmes DELMIA Human Visualization Tool Helps Ensure Manufacturing Efficiency

4 December 2007

Dassault Systèmes ([DS](#)) announced that its DELMIA Human software is being used by [Volkswagen AG](#) to ergonomically design its human assembly line functions. The software’s prototyping capability provides communication between designers, engineers and operators to maximize the efficiency and speed of human motion in a manufacturing situation.

To eliminate the potential for physical injury to line workers, possible work stoppage or vehicle quality issues, Volkswagen thoroughly analyzes all human movement to assure ergonomic integrity and prevent situations which could compromise manufacturing efficiency. For example, through simulation it can be discovered that it is difficult for an assembly line worker to reach a bolt and tighten it at the required line speed. The work station layout and process can then be re-configured prior to its implementation on the plant floor.

“[DELMIA](#) Human gives me the ability to simulate the work environment on the computer to ensure ergonomic suitability before implementing in real life,” explains Maileen Zander, an ergonomics consultant for Volkswagen’s vehicle projects. “Since the system simulates many standard positions and one can also expand the body posture library, one is spared from having to manually model every new position. DELMIA Human is an essential tool for my work. Without the true-to-life simulation, we would be unable to verify our findings in the early planning phase.” DELMIA Human provides process and resource plan definition. Zander uses DELMIA Human to create human CAD (Computer-Aided Design) models, called manikins, which can then realistically simulate the complex task procedures at each station.

Of the 65 moveable human body parts, 49 can be highlighted with individual colors. Certain body parts and areas like the spine, chest area, lumbar region or pelvis can be blocked or activated in the simulation. Objects can be added to the manikin, such as a hardhat that automatically moves with every motion. The field of vision also adjusts dynamically to the manikin’s movements.

The manikin not only moves autonomously, it also can walk on reference surfaces. In addition, DELMIA Human contains functions for climbing stairs and ladders, whereby the body automatically moves in synch with the limbs used. The human models can grasp objects within their reach, and the projected effort required for a certain activity when an individual is in a particular body position can be determined. The results achieved by Volkswagen so far are most positive and have made the leap from computer simulation to bona fide implementation; pre-assembly of the doors for the Golf’s successor model was ergonomically optimized.

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Wyeth Research (Europe) Selects SDL Technology

6 December 2007

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SDL announced that Wyeth Research Europe ([Wyeth](#)) has awarded SDL a significant contract for technology and consulting services to implement a system that meets the new Regulatory Translation Management requirements in Europe, particularly in view of the emergence of PIM, the new XML based standard for the EMEA centralised procedure.

Wyeth Research Europe expects to see significant business advantages by reducing the time and effort necessary to pass the regulatory processes through the deployment of the SDL Global Information Management solution. A key decision factor was SDL's ability to support and enhance the process of creating multilingual content compliant with the upcoming EMEA XML based Product Information (PIM) standard while providing immediate benefits to existing Microsoft Word based processes.

The SDL solution will be used to optimise and automate the translation processes across the 23 European Union official languages. Wyeth will leverage SDL's centralised Translation Memory to maximise re-use of previously translated content, while SDL translation management system collaborative workflow capabilities provide efficient translation change management across the network of affiliates during the revision cycles with the regulator. SDL Enterprise consulting services will integrate EMC²/Documentum's CMS where XML product information will be stored into the unified GIM solution.

"The multilingual dimension of Product Information Management is a critical element of any successful labelling initiative given the synchronous nature of multilingual submissions" said Daniel Gissinger, Senior Director European Research Information Services at Wyeth. "SDL has demonstrated thorough understanding of the technical and business issues involved and we anticipate significant business advantages once this new solution is fully deployed."

"SDL's expertise in multilingual XML content management and domain knowledge of the Life Sciences industry will enable us to efficiently implement the new integrated GIM solution for Wyeth" said Patrick Baudouin, Vice-President Life Sciences solutions at SDL. "The breadth and depth of our solution will guarantee the highest quality standards, minimize risks, and speed up product submissions, thus improving the profitability of new products."

For more information on Global Information Management and Life Sciences see <http://www.sdl.com/pim>

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Product News

Altair Engineering and Phoenix Integration Collaborate to Create Optimized CAE Software Solution for Leading Aerospace and Defense Organizations

3 December 2007

In response to customer requests, [Altair Engineering](#) and Phoenix Integration have developed a unified software solution for aerospace and defense organizations using computer-aided engineering (CAE) software for product design. By closely integrating Altair's PBS Professional™ software for cluster, grid and on-demand computing with the PHX CenterLink® software for accelerating design simulations from [Phoenix Integration](#), customers benefit from a cost-effective, speed optimized, integrated solution. Design teams can create processes in PHX ModelCenter®, a visual environment for process integration, and upload to PHX CenterLink, which acts as a broker for PBS Professional to manage both Windows

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and UNIX analyses over grid computing networks.

The configuration of PBS Professional and PHX CenterLink provides a software solution that is popular with customers because it eliminates custom integration efforts, speeds technology implementation time and delivers an easy-to-use solution for faster results and maximizes efficiency and utilization of high-performance computing (HPC) resources. Customers who have standardized the use of PBS Professional for management of grid computing resources and have then integrated PHX CenterLink benefit from accelerated design simulations and optimized speed to run integrated processes faster.

“The PBS Professional Connector also enables PHX CenterLink users to leverage the full power and value of grid computing for PHX ModelCenter components; design optimization, simulation, visualization and trade studies. This enables design teams to collaborate and perform trade studies in parallel,” explains Scott Woyak, President and CEO of Phoenix Integration. “Organizations that have already standardized on PBS Professional will gain advantages of PHX ModelCenter integration that features graphical analyses, integration with CAD/CAE tools, and Web collaboration between conceptual and preliminary design teams to dramatically shorten design cycles.”

“Altair Engineering works closely with its application partners to deliver integrated solutions that deliver greater value than each of the components alone,” said Michael Humphrey, Vice President of Partner Programs for Altair. “PBS Professional is an enabling technology that allows customers to maximize their computing resources. Together, PBS Professional and PHX CenterLink deliver customers a more complete software solution that meets the demands for higher performance.”

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ANSYS Announces Distribution Extension with Livermore Software Technology Corporation (LSTC)

4 December 2007

[ANSYS, Inc.](#) announced a multi-year extension to its existing distribution agreement with Livermore Software Technology Corporation (LSTC). Headquartered in Livermore, Ca., U.S.A., LSTC develops and markets LS-DYNA® software, a general-purpose transient dynamic finite element program capable of simulating complex real world problems. The long-term distribution commitment reinforces LS-DYNA technology as an integral part of the explicit simulation software suite from ANSYS, which also includes ANSYS® AUTODYN®, an analysis tool for modeling the nonlinear dynamics of solids, fluids and gases as well as their interaction.

"With this long-term agreement, ANSYS will be able to continue to provide and extend its premiere explicit dynamics solutions," said Naury Birnbaum, general manager, explicit and offshore products at ANSYS, Inc. "Moreover, the integration of our explicit dynamics solution within the ANSYS Workbench environment allows engineers to take computer-aided designs to functional digital prototypes and perform simulations much more quickly than has been possible before. These powerful solutions from ANSYS greatly accelerate innovation and time to market for our customers."

Explicit dynamics analyses deal with extreme short-time durations (events that typically occur in less than a second), as well as high deformations, large strains, fractures or complete material failure. Explicit solutions involve applications in impact, blast, drop testing, bird strike, metal forming, crashworthiness and other high-speed phenomena. The explicit solutions from ANSYS provide mission-critical analysis for the defense, space, automotive, power and manufacturing industries.

ANSYS develops and distributes engineering simulation tools via the ANSYS® Workbench™ platform,

which enables users to run sophisticated multidisciplinary simulations that include computational fluid dynamics (CFD), electromagnetic, explicit dynamics and mechanical stress analyses while utilizing a single geometry model. By streamlining the complete simulation process and integrating these tools as a unified suite of software, this technology removes the common difficulty of compatibility and file exchange found with stand-alone applications.

About Livermore Software Technology Corporation

Headquartered in Livermore, California, U.S.A., Livermore Software Technology Corporation develops, markets, and distributes LS-DYNA and a suite of related and supporting engineering software products. LSTC was founded in 1987 by John O. Hallquist to commercialize as LS-DYNA the public domain code that originated as DYNA3D. DYNA3D was developed at the Lawrence Livermore National Laboratory, by LSTC's founder, John O. Hallquist.

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aPriori v5.5 Enterprise Cost Management Platform Reduces Cost of Goods Sold for Discrete Manufacturing Organizations

4 December 2007

aPriori announced the availability of aPriori v5.5, the newest version of its [Enterprise Cost Management software platform](#). With capabilities that provide real-time, predictive and precise product cost assessments throughout the development and delivery process, aPriori v5.5 empowers manufacturing organizations to significantly reduce cost of goods sold (COGS) by identifying quantifiable savings in material, tooling, labor and overhead while evaluating alternative designs, processes and sources.

The aPriori Enterprise Cost Management platform is patented technology that generates [product cost assessments in real-time](#) as a product is being developed. Direct integration to industry-standard CAD solutions allows aPriori to calculate product costs every time a designer makes a change to a model. aPriori's Virtual Production Environments capture the characteristics (processes, machines, cost structure) of a customer's (and/or a supplier's) factories to determine manufacturing or sourcing costs. Combined with innovative routing capabilities, aPriori automatically determines the lowest-cost production method, and provides users with capabilities to model multiple product-cost scenarios.

"aPriori generates precise cost assessments throughout the entire product development process to provide discrete manufacturing and product companies with new levels of visibility into the true costs of their products," said Eric Arno Hiller, Founder and Chief Product Officer at aPriori. "With the ability to better understand and manage product costs, aPriori customers are driving costs out of their products prior to production, significantly [reducing costs of goods sold](#) and improving overall financial results."

"In a very competitive market, achieving cost targets at product launch is a high priority. By having helped JLG capture significant savings in new and existing parts to date, aPriori has proven that it can help us achieve lower-cost product designs and avoid post-launch cost reduction programs," said Wayne MacDonald, Senior Vice President, Engineering at JLG Industries. "The new sand casting capabilities in aPriori v5.5 will enable us to drive cost out of new product designs as well as aid in the conversion of existing fabricated parts to castings."

New capabilities in aPriori v5.5 include:

Sand Casting – aPriori v5.5 adds Sand Casting support to its stable of rigorous, physics-based process models. With this new family of process models, aPriori has improved its ability to assess the cost of

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sand-cast products. The new Sand Casting module supports a variety of Sand Casting mold-making methods and a number of discrete Sand Casting sub-processes including material melting, core making, pouring, cooling/solidification, shake-out, cleaning, finishing and in-line inspection.

Tolerance and Roughness – Users understand the cost implications of tolerance and roughness specification. aPriori extracts tolerance and roughness information directly from the CAD model and generates cost assessments using these parameters.

Cross-Facility Costing – With aPriori v5.5, organizations can compute the costs for a single component **manufactured across multiple internal or supplier factories.**

Enhanced Cost Analysis & Scenario Modeling – To improve sourcing decision-support, aPriori includes powerful scenario modeling and reporting capabilities for performing detailed analysis/comparisons between aPriori-costed parts and/or assemblies, third-party quotes and historical costing data. aPriori's configurable, spreadsheet-like interface allows users to focus on the cost metrics that are relevant to the current decision.

Register for the aPriori Webinar and Learn

How to Drive Costs Out of Your Products Before Production

Join aPriori on Wednesday, December 12, 2007 at 2 PM EDT for a one hour webinar on Enterprise Cost Management, next-generation capabilities for generating precise, repeatable and relevant product cost assessments in real-time from design through production. Featuring the aPriori v5.5 Enterprise Cost Management Platform, this webinar will outline how manufacturing firms can:

- Generate precise, repeatable and relevant product cost assessments in real-time from design through production
- Measurably reduce product costs and Cost of Goods Sold to improve financial results

To register for the aPriori webinar, go to <https://www1.gotomeeting.com/register/968607751> or visit <http://www.apriori.com/>.

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Cadence and ARM Deliver Reference Methodologies for Multicore and Low-Power Devices

5 December 2007

Cadence Design Systems, Inc. and ARM announced the availability of two new implementation reference methodologies jointly developed by the companies, one for the ARM11™ MPCore™ multicore processor and the other for low-power implementation of the ARM1176JZF-S™ processor, which incorporates ARM® Intelligent Energy Manager (IEM™) technology. These Cadence reference methodologies for the two ARM processors are the result of close collaboration between the two companies, and provide enhanced design solutions to mutual customers designing multicore, low-power devices.

"With the Cadence Low-Power Solution, which includes Encounter RTL Compiler and SoC Encounter GXL, we have been able to exceed performance goals for our ARM processor-based ASIC design efforts," said Ying F. Chang, engineering director, Custom SOC Solutions Engineering, NEC Electronics America. "We applaud the collaboration between ARM and Cadence to deliver flows that will speed and simplify the delivery of lower-power ARM processors."

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The ARM11 MPCore multicore processor was the first to feature ARM MPCore multiprocessing technology, which provides a scalable solution for both performance and power management that can address the requirements of multiple designs.

"The reference methodology for the ARM11 MPCore multicore processor provides a high-performance reference flow that offers predictable, low-risk implementation of multiprocessor configurations," said Keith Clarke, vice president of technical marketing at ARM. "Both the ARM11 MPCore processor and low-power ARM1176JZF-S processor flows have been pre-validated with ARM Artisan® Physical IP in order to optimize the implementation of ARM synthesizable processor IP."

The low-power reference methodology for the ARM1176JZF-S processor provides enhanced features required to support IEM technology, which has been shown to reduce CPU energy consumption by more than 60 percent, and supports the Dynamic Voltage and Frequency Scaling (DVFS) hardware technique that IEM technology exploits.

The reference methodologies comprehend the Common Power Format (CPF), which enables the up-front specification of power domains, power modes, level shifting and isolation rules to automate advanced low-power design techniques. The methodologies leverage a wide range of products of the Cadence® Low-Power Solution, including the Cadence SoC Encounter™ RTL-to-GDSII system, Encounter® RTL Compiler with global synthesis, Encounter Conformal® Low Power, and VoltageStorm® power rail analysis.

"These jointly developed reference methodologies offer significant benefits in multiprocessing and power consumption for customers designing the next-generation consumer devices which require performance and superior power management," said Mike McAweeney, vice president, Product Marketing at [Cadence](#). "Use of the reference methodologies by engineering teams helps reduce time to tapeout of customized designs, thereby gaining considerable time-to-market and cost benefits."

[ARM](#) and Cadence, a member of the ARM Connected Community, will leverage their extensive experience gained in developing these advanced flows for low-power and multiprocessing applications in the development of new reference methodologies for the latest ARM processors, the Cortex™ A9 processor and the ARM Cortex-A9 MPCore multicore processor. These reference methodologies are planned to be available at the time of the production release of these new processors in the first half of 2008.

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Cadence Boosts Engineer's Productivity with Advances in Enterprise Verification Offering

3 December 2007

[Cadence Design Systems, Inc.](#) announced that fundamental new technologies have been integrated into the Cadence® Incisive® Enterprise verification family that enable engineering teams to address increasingly complex chip design for products such as multi-mode cell phones, gaming consoles and HD-DVD players. Incisive technologies now offer support for the newly developed Open Verification Methodology (OVM), a new aspect-oriented generation engine, and the second generation of Cadence transaction-based acceleration (TBA) with native support of multiple testbench languages and numerous productivity enhancements. The new aspect-oriented generation engine leverages aspect-oriented programming (AOP) architected testbenches to improve performance and scalability. These major enhancements to the Cadence Incisive Specman® Testbench, Incisive Enterprise Simulator, and the Incisive Palladium® and Xtreme® hardware acceleration/emulation systems are in addition to numerous

productivity enhancements.

New Aspect-Oriented Generation Engine

Incisive Enterprise Simulator and Incisive Specman Testbench feature a new aspect-oriented generation engine targeted for advanced verification specialists executing complex, aspect-oriented sequences against large designs. The new engine increases performance by nearly five times for e-based verification environments.

"The latest aspect-oriented generation technology within the Cadence advanced verification offering illustrates their continuing effort to provide verification technology that will keep pace with our design complexity," said Thomas Kraus, verification manager at Siemens A&D. "By combining improved performance, built-in planning and management and system-level scalability, we're ready to verify our next generation of designs with confidence."

Support for Open Verification Methodology

As design complexity escalates, building and debugging verification testbenches becomes increasingly difficult. The mixed-language Incisive Enterprise Simulator now supports the Open Verification Methodology and its underlying class library, which significantly reduces the time it takes to create SystemVerilog verification environments and ensures code portability and reuse. This results in improved overall team productivity and greater predictability in the verification process. In addition, enhanced class-based debug utilities help manage the complexity of object-oriented testbench code. A new multi-language verification builder utility enables users to leverage existing templates, rapidly configure verification IP and accelerate early testbench development.

"Paradigm Works requires a robust, comprehensive solution when we deliver SystemVerilog-based chip design and verification services," said Michael Hoyt, President and CEO of Paradigm Works. "Cadence Incisive Enterprise Simulator delivers the open class-based methodology, advanced debug, and powerful generation we need in our projects. We are using SystemVerilog with Cadence's latest simulation software to raise the verification efficiency of both our engineers and those of our customers."

Second-Generation Transaction-Based Acceleration

The Incisive Enterprise verification family delivers new capabilities to improve the productivity for system-level verification using Xtreme and Palladium hardware acceleration/emulation systems. A new version of Cadence TBA is compliant with the Accellera SCE-MI 2.0 draft standard, ensuring automation, ease of use and platform portability while delivering high performance. TBA 2.0 helps design and verification teams reduce their verification time by providing new infrastructure and guidelines to support reusable accelerated verification environment. The new TBA version combines methodology and product delivery, with a number of features that simplify the creation and debugging of transaction-based verification environments and verification IP, including: a native multi-language transaction-level modeling interface, automatic variable-length messaging, constraint randomization, automated transaction-level recording and powerful signal/transaction-level debugging capabilities.

"Cadence continues to introduce innovative technology coupled with advanced methodologies that address the needs of the most advanced verification teams," said Jim Miller, Cadence executive vice president. "The new offerings in the Incisive Enterprise verification family enable our users to handle designs containing hundreds of millions of logic gates."

Availability

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Incisive Enterprise Simulator 6.2, Incisive Specman Testbench 6.2 and TBA 2.0-enabled Incisive Palladium and Incisive Xtreme systems are currently available.

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Capvidia Releases FormatWorks 2008

29 November 2007

[Capvidia](#) announced the latest release of FormatWorks, a leading data interoperability tool for SolidWorks users. It offers a range of powerful features specifically designed for transferring 3D CAD models stored in all major native and neutral file formats into SolidWorks. Automatic repair & healing ensures correct model definition in SolidWorks. Error classification and specialized manual repair tools provide easy to use workflow to solve the most complex CAD repair tasks that are difficult or impossible to perform in SolidWorks.

FormatWorks 2008 features and enhancements:

SolidWorks 2008 Compatibility - Windows XP/Vista - 32 and 64-bit operating system

CATIA V5 Rev 18 - Supports bi-directional translation up to CATIA V5 Rev. 18

New STEP Bi-directional Translator with the following unique features:

- Entity Identification (ID) Tracking – When a model is imported to SolidWorks (over FormatWorks) the user will have access to the object IDs correspondence map which keeps the association between initial and translated model entities.
- Full Assembly Structure Control – Supports all variations of STEP assembly representation.
- Preservation of Original Entity Attributes – Parts, faces and edges with original attributes from donating CAD system are correctly translated to SolidWorks.
- Model Measurement Data - Area, volume, mass center and momentums of inertia are transferred with the 3D data.

New Bi-directional Open Inventor Translator

Integrated Repair & Healing - Includes Capvidia's powerful repair-healing technology that automatically verifies and corrects more than 70 typical geometric and topological inconsistencies.

New Client Server version - Supports configurations to enable multiple users to utilize FormatWorks.

“With FormatWorks2008 our customers get access to the latest versions of native CAD formats (like CATIA v5 R18). FormatWorks 2008 repair and healing technology ensures high quality data translation resulting in error free, editable 3D modes in SolidWorks saving our customers time and reducing manual repair in SolidWorks. New FormatWorks 2008 is available as standalone add-in for SolidWorks or Server/Client configuration providing an ideal corporative data translation solution for multiple SW users” said Lyle Fischer, technical marketing director of Capvidia. “Unique characteristics of FormatWorks2008 make it indispensable add-in for SolidWorks users.”

Supported Formats:

Data import formats: CATIA V5 (.CATPart, CATProduct) up to R18, CATIA V4 (.model, .exp), Pro/E, CADD5 (explicit model), ROBCAD, ACIS, STEP, IGES, VDA-FS, Afm

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Data export formats: CATIA V5 (.CATPart, CATProduct) up to R18, CATIA V4, ACIS, STEP, IGES 6.0, IGES with CAD system flavor, VDA-FS

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ESI Group Announces CFD-ACE+ V2008.0 Software for Advanced CFD and Multiphysics Solutions

3 December 2007

[ESI Group](#) announced the release of version 2008.0 of its CFD-ACE+ software platform. CFD-ACE+ is an advanced computational fluid dynamics (CFD) and multiphysics software, enabling coupled simulations of fluid, thermal, chemical, biological, electrical and mechanical phenomena for a variety of applications across a wide range of industries.

CFD-ACE+ has been designed to be very modular and expandable, which offers users the highest level of flexibility. Used by over 400 organizations worldwide, CFD-ACE+ includes state-of-the-art numerical and physical models, and an advanced simulation-based design environment. It also supports all modeling technologies including multi-block structured, general polyhedral unstructured, arbitrary interfaces, and moving and deforming meshes with data links for most of the commonly used CAD, CAE and EDA data formats.

With the addition of polyhedral-honeycomb technology in the CFD-GEOM application, the V2008.0 release marks a major milestone in CFD-ACE+ meshing capabilities. “This technology produces superior quality meshes, and the better the mesh, the better the performance from the solver, both in terms of speed and convergence,” said Richard Thoms, CFD Product Manager. “Unlike other solvers on the market that were not originally designed for polyhedral meshing, CFD-ACE+ takes full advantage of an advanced solver platform and industry leading meshing capabilities to deliver better accuracy and faster solution times,” he continued.

“We foresee a great opportunity to be the leaders in providing this new technology to anyone simulating complex 3D geometries, such as external flows for full aircraft or automotive configurations, as well as complex internal configurations like those found in process and control equipment,” he added.

Key new enhancements to CFD-ACE+ include

- New honeycomb meshing for complex 3D geometries now allowing any tetrahedral mesh system to be turned into a high quality polyhedral-honeycomb mesh with lower cell counts and more robust convergence, resulting in improved overall cell quality.
- The addition of multi-step electro-chemistry for fuel cell modeling utilizing the full form of the Butler-Volmer equation which is an industry first. Now fuel cell developers can use simulation based design to accurately model the effects of fuel/air starvation and optimize fuel cell designs to avoid carbon corrosion and decay of the fuel cell membrane electrolyte assembly (MEA).
- A new boundary layer meshing option allowing the creation of either highly stretched prismatic or hexahedral layers near desired surfaces prior to tetrahedral mesh generation. Using this method will minimize the number of cells and allow the proper resolution of near wall behavior for applications where high accuracy is needed such as aerodynamic drag calculation and wall heat transfer.

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First Trace Joins Bentley Developer Network

29 November 2007

First Trace, Inc. announced its acceptance to Bentley System's Developer Network. First Trace has begun development on an innovative add-in to provide Microstation users with comprehensive engineering document and data management capabilities provided by First Trace's Enterprise Document Management solution, powered by Kinnosa.

This cooperative relationship will allow Microstation users to automate document management, design change tracking, task and process management, as well as provide unified data management to distributed enterprises. The integrated functionality will provide Microstation users with greater flexibility, superior security and concurrent engineering capabilities for distributed enterprises.

"Microstation users will now have access to all the benefits provided by the next generation of content management solutions that the Kinnosa Enterprise System brings to the industry," said Brian Williamson, Product Manager for Kinnosa and First Trace. "Microstation documents scattered across a distributed enterprise can now be easily managed, accessed, and modified in a single environment, without changing how users work."

Kinnosa represents the next step in the evolution of document and process management solutions with its highly adaptable capabilities that allows businesses to operate more dynamically. As an enterprise changes, Kinnosa solutions can be quickly modified to meet the new business needs. This agility is indispensable in making your software solutions adapt to meet changing needs. Kinnosa delivers value by reducing the time, costs and level of effort required to integrate into an existing IT environment or business network.

The development of a new add-in will allow Microstation users to utilize all the features and functionalities of Enterprise Document Management, powered by Kinnosa, right from the Microstation interface. Document management efforts that once posed a profound burden on engineering departments can now be automated on the backend for effortless management, including compliance with regulatory requirements and CAD standards. Many Microstation users are familiar with the delays caused by excessive amounts of time it takes to make the same corrective procedures on numerous drawings. Kinnosa can be easily configured to automate and streamline drawing changes across all related documents, improving overall efficiency of the entire design process.

Microstation users often utilize multiple CAD tools when working on projects. This mixed environment creates an immense problem for engineers attempting to incorporate designs created with these competing CAD tools. First Trace's development of a Microstation add-in will eliminate this productivity roadblock by allowing Kinnosa to manage disparate file types and integrate them into a cohesive project.

Additional Kinnosa solutions (such as Kinnosa Workflow and Distributed Change Management, powered by Kinnosa) can be combined with Enterprise Document Management to streamline management of the entire design process from initial creation to project completion, without interrupting business operations.

For more information about First Trace and the Kinnosa Enterprise System solutions, visit <http://www.firsttrace.com/>.



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Geomagic Studio 10 Unveiled Today

5 December 2007

[Geomagic](#) unveiled Geomagic Studio 10, the latest version of its digital reconstruction software, today at the [EuroMold](#) 2007 show in Frankfurt, Germany.

The new software features what the company describes as the next big leap in 3D modeling: An optional surfacing module called Geomagic Fashion that automatically extracts the design intent from scanned physical objects. Geomagic Studio 10 also includes an enhanced graphical user interface, streamlined feature framework, multi-sensor metrology support, and a customizable architecture. Shipments are scheduled to begin later this month.

Recreating the original aesthetics

The new Geomagic Fashion module is the perfect complement to Geomagic Shape, the module used worldwide to digitally reconstruct exact digital models of physical parts. Geomagic Shape provides the fastest, easiest way to digitally reconstruct a physical part as it exists, generating a watertight NURBS model. Geomagic Fashion automatically recreates the original surface aesthetics that are often lost in the manufactured or scanned object.

Surface models from Geomagic Fashion are output in CAD-ready layouts for smaller IGES/STEP files, faster CNC code generation, and improved machining. Analytic surfaces and profile curves from Geomagic Fashion can be further manipulated in CAD, reducing the amount of time required to leverage or replicate an existing design.

“Geomagic Fashion is a unique tool for industrial designers and others who want to recapture the design intent of an as-built object,” says Peter Scott, Geomagic’s vice president of engineering. “It identifies, analyzes and corrects imperfections to generate idealized, high-quality surfaces such as those commonly used in automotive and consumer product design.”

Major new features

In addition to the Geomagic Fashion module, Geomagic Studio 10 includes the following new features:

- An enhanced GUI with user-configurable display themes, sliders and collapsible menus for a cleaner, less-cluttered workspace.
- A streamlined feature framework with more powerful tools to create, review, modify or leverage features throughout the entire digital reconstruction workflow.
- Multi-sensor metrology support for users who wish to take advantage of the combined strengths of 3D scanners and hard probes. Geomagic Studio 10 enables users to quickly capture a full 3D scan of an object and then use a hard probe to create features such as cylinders, cones and spheres, and measure out-of-sight areas for precise shape capture.
- An agile architecture that enables customization for specific applications and tasks.
- A 64-bit edition that allows users to take advantage of the expanded memory capacity of 64-bit computer systems to process huge datasets generated by the newest generation of non-contact 3D scanners.

Geomagic Studio 10 can be purchased with and without Geomagic Fashion. The software ships with both 32- and 64-bit editions on the CD, and supports English, German, French, Italian, Spanish, Chinese

and Japanese. For a limited time, special introductory pricing is available for existing customers who wish to upgrade, as well as for new buyers. Visit www.geomagic.com for more information and a list of international offices and resellers.

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IRONCAD Version 10 Uses HOOPS Technology to Deliver Enhanced Graphical Performance

5 December 2007

IronCAD, LLC and [Tech Soft 3D](#) announced IRONCAD version 10 has integrated HOOPS technology to provide IRONCAD users with enhanced graphical performance and new collaboration alternatives.

HOOPS technology is a fundamental change to IRONCAD's graphical capabilities. By implementing Tech Soft 3D's HOOPS development kit, IRONCAD now takes better advantage of a computer's available resources through technology like Direct3D. This also means IRONCAD users will continue to receive ongoing advances in visualization as Tech Soft 3D enhances the HOOPS framework.

Enhanced graphical performance for large assemblies is made possible by HOOPS. Among these enhancements is a new level of detail setting allowing for more fluid model selection and rotation even with high-feature-count assemblies. This ability is one of many enhancements to dynamic rendering and selection provided by integrating HOOPS technology, offering IRONCAD users a more efficient design environment.

IRONCAD users also benefit from new capabilities like Quick Visual Loading and 3D PDF support made possible by HOOPS' technology. Visually loading the model quickly allows an engineer to manipulate their model (adjusting its view and zoom level) while additional information necessary for editing geometry loads in the background. With 3D PDF export, IRONCAD users now have access to new collaboration capabilities using Adobe's standardized PDF format, which include markup capabilities. IRONCAD's existing IronWeb publishing with HOOPS' ActiveX viewer is also available as an alternative, or complimentary, collaboration tool.

"Our customers will benefit greatly from the increased performance and capabilities HOOPS allows us to provide in IRONCAD," said Cary O'Connor, Director of Marketing at IronCAD, "This integration allows IronCAD developers to focus on enhancing IRONCAD's core capabilities, while developers at Tech Soft 3D work to deliver improvements to graphical performance and visualization," he continued.

Ron Fritz, Tech Soft 3D's Managing Partner, added to O'Connor's statement. "With HOOPS, IRONCAD was able to achieve a 10x performance gain over its previous in-scene rendering engine. We're glad to hear that the new capabilities HOOPS provides have been well received within the IRONCAD user community and that the IRONCAD R&D team was able to smoothly make the transition to HOOPS. Tech Soft 3D is looking forward to helping them achieve even more success with HOOPS in the future", he said.

IronCAD version 10 is now available for purchase through IronCAD, LLC's reseller network. For more information, visit <http://www.ironcad.com/>.

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Moldflow and Missler Software Announce Technology Integration and Reseller Agreement

4 December 2007

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[Moldflow](#) Corporation and Missler Software announced the signing of a agreement that allows Missler Software to resell a version of Moldflow Plastics Advisers® (MPA®) software that has been integrated with Missler's [TopSolid®](#) range of CAD/CAM software. The integration combines Moldflow's plastics simulation software with TopSolid'Mold 2008, which is ideal for designing plastic parts and injection molds. Using simulation technology in the early stages of part and mold design allows manufacturers to quickly evaluate the manufacturability of their designs so they can achieve the highest quality at the lowest cost in the shortest time to market.

“The integrated products introduce the benefits of plastics simulation directly to the desktops of the worldwide Missler Software user base,” said Roland Thomas, President and CEO of Moldflow Corporation, “Adding the power of Moldflow technology to TopSolid offers users a plastics design optimization tool that can be used as a first step in determining the manufacturability, quality and cost of their injection molded plastic part and mold designs. We've seen that once companies experience the benefits of analysis in the early stages of new product development, they make it an indispensable step in their product creation strategy across their enterprise. Considering that TopSolid'Mold is one of the most highly regarded mold design products on the market today, we are happy to have worked closely with Missler Software on this project.”

“Missler Software is pleased to partner with an industry leader such as Moldflow Corporation,” said Christian Arber, CEO of Missler Software. “In order to achieve efficiencies and accelerate product delivery in today's competitive global market, manufacturers are being driven to employ simulation across their enterprises to optimize their designs. It is simulation products from Moldflow like the Part Adviser™ and Mold Adviser™ that quickly provide companies with the information necessary early enough in product development cycles to have a positive impact on their bottom line.”

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Moldflow Announces the Release of Moldflow Structural Alliance 1.1

3 December 2007

Moldflow Corporation announced the release of Moldflow Structural Alliance® (MSA®) 1.1. MSA 1.1 will allow users of ABAQUS® and ANSYS® (2 of the world's leading structural analysis products) to expand the universe of plastics parts that they can more accurately analyze to improve product quality.

MSA 1.1 delivers new technologies and key enhancements that make it even more suitable for broader implementation because true 3D simulation results from Moldflow Plastics Advisers® (MPA®) or Moldflow Plastics Insight® (MPI®) can be mapped to ABAQUS and ANSYS models. This expands the universe of supported geometry to include relatively thick and solid plastic parts which are best analyzed using 3D technology.

Using MSA 1.1 allows ABAQUS and ANSYS users to improve the accuracy of the analysis of assemblies that contain plastic parts. Regardless of the number of components in the assembly, or the number of different materials used, MSA 1.1 will map highly accurate plastics material property information to the correct individual plastic component in the assembly in ABAQUS and ANSYS, significantly improving the quality of the structural analysis. Finally, a brand new import/export wizard makes it easy to export models and link Moldflow results to the structural model, resulting in increased user productivity.

“Because the structural integrity of plastic injection molded parts is largely determined by the manufacturing process, it is critical to account for those effects when performing structural analyses,”

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said Murali Annareddy, Moldflow's Director of Product Marketing. He continued, "As more companies get serious about optimizing their product designs, there is a convergence of simulation where analyses are run across a variety of computer-aided engineering applications. Of course, the ultimate combination occurs when an innovative product such as MSA is used to help predict not just if a product will be strong enough, but as manufactured, will a product be able to perform in its end-use application without failure."

Availability

MSA 1.1 is available now. For more information, please call Moldflow in the US at +1-508.358.5848 or visit <http://www.moldflow.com/>.

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Open Text Brings Service Oriented Architecture and Unicode Support With Release of Genio® 7

5 December 2007

Open Text™ announced the release of Genio® 7, Open Text's content and data integration solution used to transform, cleanse and direct unstructured and structured information across the entire spectrum of decision support systems and corporate applications, spanning projects that include data warehouses, data marts, mainframe systems, ERP systems, CRM systems, and content management deployments.

Genio offers a comprehensive solution for organizations to seamlessly integrate their content and data assets between multiple systems and processes. Leveraging the data integration capabilities of Genio, enterprises have gained measurable business benefits such as reduction in costs, increased reactivity to market changes as well as improved quality and usefulness of their business data.

New capabilities in Genio 7 include:

Out-of-the-box support for Web Services

Today's global, multi-faceted organizations are continuously faced with the challenge of integrating disparate systems with incompatible interfaces, data structures, and technologies. As agile organizations adopt a Service Oriented Architecture (SOA) they realize that there's a significant issue that Web Services do not address: data-level compatibility.

Genio 7 fills this gap by extending its wide range of data integration and transformation functionality to include Web Services capability, thus allowing organizations to make a quantum leap in the benefits they reap out from their transition to SOA. With this new version of Genio, companies can seamlessly incorporate business data exposed via Web Services in their data integration processes. The Web Services support delivered by Genio 7 drastically reduces the level of effort required to integrate SOA-compliant business applications, saving companies the need to undertake costly integration projects. By extending the reach of their data integration processes to Web Services, organizations will improve data lineage and accountability, significantly enhancing the reliability and value of corporate information.

National Language and Unicode Support

In the increasingly global marketplace, companies expanding their reach are faced with the problem of managing international operations to align them with their newly established business processes. These projects offer significant challenges, particularly when attempting to integrate information in different languages.

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By offering Full National Language and Unicode Support, Genio 7 removes the complexity of integrating data encoded in different character sets. This new functionality allows Genio customers to treat data equally regardless of its origin, accelerating business systems integration projects and facilitating the distribution and exploitation of data across the entire organization.

Improved Performance and Ease-of-Use

Now available as a native 64-bit application, Genio 7 further extends scalability and performance of the Genio line. In addition, the introduction of advanced wizards, enhanced search capabilities and new design facilities such as dynamic connection attributes will help organizations boost their speed and productivity when creating data integration projects.

"Getting through piles of data and information in an organization is no easy feat. As organizations evolve, they acquire new enterprise applications, operating systems, hardware platforms and databases, creating many islands of information across the enterprise," said Bill Forquer, Executive Vice President of Marketing at Open Text. "Genio 7 will enable easier integration and access to data and content across the globe, resulting in smarter and faster business decisions based on timely and accurate information."

Extends Open Text Content Services for Content and Data Integration

Open Text Content Services, announced at Open Text's recent user conference (<http://www.opentext.com/news/pr.html?id=1960>), provide foundational Web Services for Enterprise Library Services, Enterprise Process Services, and end user interface experience. With Genio 7, all Open Text customers can extend their ECM strategies to include Web Service based information sources across the enterprise. This announcement represents a significant step forward for organizations that need to develop a holistic information management strategy across structured and unstructured content and require a cost-effective pathway to content integration.

Open Text will be presenting a Webinar on December 12, 2007 entitled: Data integration simplified with Genio. For more information and to register visit:

<http://www.opentext.com/events/event.html?id=6639686>

For more information on Genio, go to: <http://www.opentext.com/products/nc/genio>.

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Siemens PLM Software Expands Global Channel Program in Switzerland

6 December 2007

Siemens PLM Software has expanded its sales channel in Switzerland with the addition of partners Marenco AG, mecasale Fertigungssoftware GmbH and PLM-Team GmbH. Its new partners are adding Siemens PLM Software's UGS Velocity Series™ portfolio to their current solution ranges.

"Our new partners have a proven track record and the know-how to realise maximum customer value from our applications," said Angus Marshall, director Sales and Channel Programmes EMEA, Siemens PLM Software.

Marenco AG (Pfäffikon/ZH) has extensive PLM knowledge in the industrial sector. Its core competencies are development, consulting and prototype construction. "With PLM solutions from Siemens PLM Software, our engineers and designers can help drive innovation, generate profitable growth and add value," said Olivier Kempf, head of Sales and Marketing at Marenco.

CIMdata PLM Industry Summary

For 25 years, mecasale (Rebstein/SG) has integrated CAD/CAM/PLM into various industries, including equipment engineering and metal-cutting manufacturing. "With the solutions from Siemens PLM Software we can offer Swiss SMEs the optimum technology for product design," said Jens Fischer, head of Sales at mecasale. "Our customers can now use forward-looking technologies to map their entire process without interface problems."

PLM-Team (Hubersdorf/SO) is primarily focused on customers in the mechanical engineering space, in particular those who are not happy with data management in their existing engineering software. "The cPDM solution from Siemens PLM Software will enable PLM-Team to help their customers meet their PDM requirements, especially in a multi-CAD environment," said Reinhard Orleth, PLM-Team's Sales Manager.

For more information about the Siemens Solution Partner Program PLM, visit <http://www.siemens.com/plm/partners>.

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SigmaSure 6.1 Release: Bringing "Automated Maverick Analysis" to OEMs and their Suppliers

3 December 2007

[SigmaQuest](#)™ Inc. announced its "Automated Maverick Analysis" for electronic equipment brand owners and the component supplier community. This in-depth analysis capability, available now with the newly released SigmaSure 6.1, allows electronic component developers and integrators to quickly identify which products meet the highest-performance criteria and which exhibit anomalous characteristics, thereby resulting in higher than normal levels of failure in end-user applications.

A Maverick product is defined via the Joint Electron Device Engineering Council's EIA/JESD 50 as an atypical product that exhibits anomalous characteristics that cause higher than normal level of failure in the end-user application. Causes of a Maverick product can vary across the entire spectrum of processes including, but not limited to, fabrication, assembly, test, packaging and handling operations. Affected populations can often go undetected until used in a final application, thereby impacting contract manufacturers, field reliability and end-user satisfaction. Yield improvement programs, as a whole, do not necessarily provide protection from Maverick products. Yet, SigmaQuest's new Maverick solution offsets these issues as it helps both OEM and their suppliers to improve and consistently make higher-quality parts. Further, the solution enables implementation and management of supplier related Maverick product elimination.

SigmaQuest's Automated Maverick Analysis provides median/mean performance deviation information on parameters like voltage, frequency, current and resistance, for complex devices ranging from ASICs, PCBs and batteries to power supplies. Parametric/performance data is automatically uploaded into a database format with easy-to-use views, including median and mean statistical diagrams, as well as tables containing detailed metrics. This data can then be utilized by OEMs and their suppliers to further refine, or narrow, key performance specifications, such as the charge time on a cell phone or the operating voltage range on a power supply.

"For today's manufacturers, having the ability to quickly determine what amount of deviation from normal specification they can tolerate is a key factor in their ability to quickly adapt to changing markets," said Al Alaverdi, vice president of customer advocacy at SigmaQuest. "A cell phone manufacturer, for example, may want cell phones that take between 25 and 50 minutes to charge. If they find though, that only a small percent of the products deviate from their ideal target of 30-35 minutes,

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they may opt to change this requirement and only sell the highest-performing products. Access to such valuable performance data enables the manufacturer to quickly make strategic decisions that allow them to stay ahead of the curve and the competition."

Chris Rodriguez, head of worldwide test engineering at [Power-One, Inc.](#), a leading designer and manufacturer of power conversion products, commented, "Automated Maverick Analysis provides tremendous value as we can quickly identify marginal performing products in real time. With this knowledge, we can make best-case decisions on the individual products that will deliver optimum performance to our customers. The fact that this time-consuming analysis is now automated makes it more feasible to apply it to a wider scale of products and locations than were humanly possible beforehand. Complimented with the alerts system in SigmaQuest, we are able to address Maverick lots in an unprecedented amount of time."

"SigmaQuest has and continues to deliver the industry-best software solutions that enable original brand owners and their suppliers to quickly identify any potential product defects, prior to product shipment, which might cause end-user dissatisfaction and/or the need for product recalls," said Nader Fathi, CEO of SigmaQuest. "With the recent introduction of SigmaSure 6.1 and our new Maverick analysis capability, we are providing yet another means of allowing our customers to quickly deliver better-quality products to market."

In addition to Automated Maverick Analysis, SigmaQuest has made the following enhancements to its On-Demand software with the release of SigmaSure 6.1. These enhancements include:

- **Connected View:** SigmaQuest product modules Manufacturing & Test Insight, RMA & Warranty Insight and Repair/Rework Insight are now available as integrated modules. Benefits are rapid analysis of device history records and root-cause analysis.
- **Support for bill-of-materials (BOM) and as-built-data.** Users can now easily import their data from industry BOM solutions, such as SAP, Oracle, Agile, Arena Solutions and others. They can then track parent-child relationships as well as attributes per item such as lot number, date code, supplier, etc.
- **Enhanced integrated plug-ins** for Agilent ICT, X-Ray, AOI test equipment and Repair tools.
- **Flexible alerts framework** enables "Management by Exception," which is easy to configure and users can control/eliminate false alerts. It further supports Alert discussion forum and keeps track of alert recipients. This system now allows notification via email, SMS and/or Dashboard.
- **Support for multiple time zones** allows global users to collaborate around the world.
- **Generic Data Mapper** gives the user the power to import its own legacy data without any programming knowledge.
- **Additional usability and performance improvements.**

Pricing and Availability

SigmaSure 6.1 is available now to all on-demand users. Automated Maverick Analysis is available as an add-on module to Manufacturing Test Insight starting at a U.S.-list price of \$2,750 per month.

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SpaceClaim Announces New Perpetual Licensing Plan plus Promotional Pricing thru December 31,

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2007

3 December 2007

SpaceClaim Corp. announced a perpetual licensing option for its 3D design system SpaceClaim Professional 2007+. The product is now available as either a low cost of entry annual lease or as a perpetual license for customers whose budget is more suited to a capital purchase. Additionally, the company is offering promotional pricing through December 31, 2007. The special pricing is 50% of the list price for most of the SpaceClaim product line. Included in the price promotion are the annual lease and perpetual license options for SpaceClaim Professional 2007+, 3D Data Exchange products, CATIA v5 and JT Open Data Exchange and Sheet Metal Module. These exceptional value offerings enable customers to purchase more licenses with their end of the year budget.

The SpaceClaim Professional 2007+ [trial program](#) has generated over 1000 downloads since its November 15th introduction. The phenomenal response has led to requests for special pricing to accommodate year-end budgets. Trial participants' feedback is that SpaceClaim Professional 2007+ is the most intuitive and flexible [3D design](#) tool that they have used. And the software operates in a multi-CAD environment better than any other engineering software.

"We are absolutely amazed at the response to our 30-day trial program. Through the program, participants became aware of how fast they could design in SpaceClaim and how SpaceClaim helps them work with other models from their multi-CAD environment," commented Michael McGuinness, COO of SpaceClaim Corp. "One obstacle they needed to overcome was that they had not budgeted for SpaceClaim. We decided to provide more flexible ways to fit into their 2007 budget so they can make use of SpaceClaim immediately, rather than have to wait."

Promotional Pricing thru December 31, 2007 (US\$)

Annual Licenses (1-yr term): SpaceClaim Professional 2007+ is \$850/yr; 3D Data Exchange is \$150/yr

Perpetual Licenses: SpaceClaim Professional 2007+ is \$1,275 plus \$425 annual maintenance for the first year; 3D Data Exchange is \$225, plus \$75 for first year annual maintenance

Promotional pricing for additional modules is available on the [SpaceClaim web site](#).

The software is available in English, Japanese, German, French, Korean, Italian, Traditional and Simplified Chinese languages.

About SpaceClaim Corp.

SpaceClaim is a privately held company targeting the 3D mechanical design market. For more information, visit <http://www.spaceclaim.com/> download our [3D CAD trial](#)..

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Thinkreshape, think3's Extra Something for Reverse Engineering

6 December 2007

think3 developed a new solution designed to help import and manage files from the 3D digitalization of physical models in a CAD environment, to operate within prototyping, design review, finished elemental analysis and inspection.

Thinkreshape is the new reverse engineering and deviation control tool suite that allows to rebuild the maths of a physical object.

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The optical triangularization technology allows to capture 3D objects of different sizes as 3D digital models consisting in a cloud of triangularized points (mesh). thinkreshape can import one or more meshes quickly, transform them with its point reduction, smoothing, and direct modification (GSM Global Shape Modeling on Meshes) tools and turn them into a single model for quick prototyping, FEA, simulation, animation, control and inspection. The new solution allows to build a model of parametric surfaces ("Brep-Skins") lying directly on the mesh, that can be used in combination with other software products, modified or physically built by means of tooling or quick prototyping machines.

thinkreshape is designed for companies in the automotive, transportation, molds, product design, consumer product and medical industries but, in general, it is recommended whenever it is necessary to start from a physical prototype in wood, resin, etc. made by a modeling engineer or from any real object that has to be reproduced in a 3D computer image to process or change it. In many contexts, such as a few styling sectors and for specific Clay Modeling shapes (creation of a physical model), this is still a very important stage, especially for those who do not have powerful modeling tools such as thinkID's GSM. thinkreshape helps move part of a company's activities to reverse engineering.

That extra something

A many-year cooperation on a reverse engineering project between think3's R&D team and a leading company in the transportation industry is producing an extremely powerful functionality which automatically creates very high quality surfaces. This functionality, starting from border curves, generates high quality surfaces "lying" on the reference mesh. The main differentiating element of this tool, compared to other existing reverse engineering solutions, lies in the fact that it produces trimmed surfaces, which means that the visible part is defined by the border curves determining the required domain, whereas the basic surface is four sided, it is therefore more manageable than triangular ones. With this feature, not only do users produce high quality surfaces in a short time, but the resulting model is not different from the one a modeling expert would create manually in a longer time

Benefits

thinkreshape delivers immediate benefits: reduced capturing/reconstruction time, reduced manual adjustments of surfaces, and it is more consistent with the digitalized shape in case of high quality digitalization. But the main benefit emerges when thinkreshape's output is implemented in thinkdesign suite's CAD environment and thinkPLM suite's data management. The integration with thinkID, thinkdesign, thinktooling and thinkPLM provides a wide range of tools from the consolidated think3 solution: modeling functionalities, GSM, assemblies, rendering, 2D tables and PLM for a comprehensive lifecycle management of reverse engineering information.

thinkreshape 1.0 will be officially released with thinkdesign 2008.1.

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UMC Foundry Design Kit for New Cadence Virtuoso Platform Speeds Production of 65nm Designs

3 December 2007

Cadence Design Systems, Inc. and UMC announced the availability of UMC 65-nanometer Foundry Design Kits (FDKs) for the latest Cadence® Virtuoso® custom design platform (IC 6.1) release. The kits will be available for designers using UMC's logic/mixed-mode 65-nanometer standard performance (SP) process and logic/mixed-mode RF 65-nanometer low-leakage (LL) process. The Cadence Virtuoso technology helps accelerate silicon-accurate design of analog, mixed-signal and RF devices.

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"The availability of the 65-nanometer design kits will help our customers more quickly realize the performance and power consumption advantages of our production proven 65-nanometer SP and RF LL technology," said Patrick T. Lin, head of Worldwide IP Development and Design Support at UMC.

"Integrating the performance and productivity features in the new Virtuoso platform with UMC's FDKs will dramatically accelerate development time for our customers to help them meet their timing-critical market windows for their 65-nanometer products."

[Cadence](#) Virtuoso solutions and UMC's 65-nanometer FDKs support designers in high-growth IC markets, such as wireless communications. These technologies offer advanced processes for unprecedented integration of digital and mixed-signal designs.

"This new FDK allows us to leverage advanced features of both UMC 65-nanometer process and the Cadence Virtuoso platform in our upcoming designs and helps us to meet time-to-market requirements," said C. J. Hsieh, associate vice president of SoC Development and Service at Faraday.

"The rapid development of UMC's 65-nanometer FDKs for the new Virtuoso technology underscores the importance of Virtuoso solutions among innovative mixed-signal and RF designers," said Charlie Giorgetti, corporate vice president of Product Marketing at Cadence. "We look forward to working with [UMC](#) to enable further FDKs with the latest Virtuoso solutions in support of our mutual customers' growing demand."

Availability

UMC's 65-nanometer SP and RF LL FDKs for the latest Virtuoso version, IC 6.1, are available through UMC's customer Web site, My.UMC.com, or by contacting any UMC account manager.

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