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Acquisitions

Autodesk Extends Visualization Leadership with Acquisition of Opticore AB

18 June 2007

[Autodesk](#) announced that it has signed an agreement to acquire certain assets of Opticore, a wholly-owned subsidiary of Design Communication, based in Gothenburg, Sweden that provides software for interactive and realistic 3D visualizations and presentations. The acquisition underscores Autodesk's continued drive to deliver solutions that support best-in-class designers and manufacturers and enable them to implement a complete Digital Prototyping solution.

Opticore is a premier graphics communication software provider delivering advanced technology used to produce believable, highly interactive and realistic 3D digital product visualizations and presentations. Opticore products leverage digital prototypes from computer-aided-design (CAD) and computer-aided-industrial-design (CAID) to reduce the need for physical prototypes, shorten development cycles and increase communication between designers, managers and customers.

Autodesk currently plans to continue the development of Opticore technology and supporting Opticore customers. Through the combination of Autodesk and Opticore expertise and technology, Autodesk will be able to deliver even more advanced visualization solutions by leveraging real-time ray tracing and a deep engineering knowledge base.

"The acquisition of Opticore technology is part of Autodesk's commitment to set the direction for Digital Prototyping and offer a complete solution across the Manufacturing industry," said Robert "Buzz" Kross, senior vice president, Autodesk Manufacturing Solutions. "By adding Opticore products, Autodesk intends to offer the most complete design visualization solution in the market, providing automotive and product designers the opportunity to select the most cutting edge visualization product that best meets their needs."

"Autodesk and Opticore products together will offer the market a superior visualization solution," says Stefan Hallin, Chairman of Design Communications. "Customers of both companies will benefit from this announcement."

Opticore customers include major automotive manufacturers in all continents as well as large manufacturers. Automotive clients include: AUDI AG, Ford Motor Company (with the brands Ford, Volvo, Jaguar, Land Rover), Hyundai, KIA, FAW, Brilliance Auto, Tata Motor, Mahindra Mahindra, Bajaj Auto, Honda and Nissan Mitsubishi. Consumer product and transportation customers include: Canon Inc, Philips Consumer, Nokia Mobile, Electrolux and Bombardier Trains. Opticore has almost 50 clients throughout Asia including all eight major automotive manufacturers in Japan.

Business Outlook

This transaction is expected to have no impact on targeted non-GAAP EPS for fiscal 2008. Non-GAAP EPS excludes in-process R&D expenses and the amortization of acquisition-related intangibles.

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Powerway Inc. Acquires Cohesia Corporation

19 June 2007

[Powerway, Inc.](#), a leading provider of manufacturing product development process solutions for automotive manufacturers, has significantly expanded its market position with its purchase of Cincinnati-based Cohesia Corporation. This key acquisition extends Powerway's reach into the aerospace and defense sectors and sets up the strategic infrastructure to enable the Company to expand into medical devices, pharmaceuticals, electronics and other complex manufacturing environments.

Cohesia is a software company that provides web-based quality management solutions to companies, such as those in the aerospace industry, which operate in highly complex manufacturing environments. With the acquisition of Cohesia, Powerway gains a much larger footprint in the Project Life Cycle Management (PLM) space. Powerway has added the capability to offer products for companies needing to communicate and ensure compliance both in and across the manufacturing supply chain.

Powerway plans to retain Cohesia's staff and functional facilities in Cincinnati, Ohio. H. Dave Chambliss, Powerway's President and CEO, said, "The best way to leverage our investment is to capitalize and expand on Cohesia's existing product development resources and customer relationships. The strategic fit between our technologies will yield excellent benefits for our customers in the industries we serve. The Cohesia team's knowledge of the aerospace and defense industries and the strength of the Cohesia's technology are well known."

Cohesia CEO, Jim Kanir, sees the acquisition as a win-win for both organizations. "Major changes in the market have propelled the need for Cohesia's solution from a nice-to-have to a must-have product. The Cohesia team is excited to join forces with Powerway, and believes a larger organization can better serve this large and growing market."

Key investors in both organizations have embraced the new Powerway organization and its extended capabilities. Tom Hiatt, Managing Director of Centerfield Capital and Chairman of the Board at Powerway stated, "We believe the combination of these two organizations is powerful and will lead to explosive growth in the PLM extended supply chain market space. This acquisition will not only accelerate Powerway's financial growth, but will also lead to job creation in Indiana, Ohio, and in our satellite offices worldwide." Tim Schigel of Cincinnati's Blue Chip Ventures and Chairman of the Cohesia Board observed, "Both platforms represent the state-of-the-art in product development. The integration creates a new level of needed innovation that will be welcomed in the PLM space."

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Synopsys Acquires ArchPro Design Automation

18 June 2007

[Synopsys, Inc.](#) announced that it has acquired ArchPro Design Automation Inc. ArchPro's technologies enable engineers to address power management challenges in multi-voltage designs from chip

architecture to RTL and gate-level design. These technologies allow verification of modern power management techniques such as power gating, substrate biasing, dynamic voltage and frequency scaling, and extend Synopsys' leadership in low power design and verification. Terms of the deal are not being disclosed at this time.

"ArchPro's industry-leading technologies are actively used in verification and sign-off of our most advanced multi-voltage designs," said Hisaharu Miwa, general manager, Design Technology Div., LSI Product Technology Unit at Renesas Technology Corp. "Use of innovative low-power design techniques continues to increase rapidly at Renesas. Integration of Synopsys' industry-leading verification technologies including SystemVerilog testbenches, coverage, and assertions with ArchPro's advanced power management verification techniques will create a unique value-proposition for addressing the exponentially growing verification challenge."

"Synopsys is the leading solution provider for low power designs and is playing a critical role in driving power format standards," said Pratap Reddy, chairman and CEO at ArchPro Design Automation. "ArchPro's silicon-proven power management technologies are a natural fit with Synopsys' advanced verification platform. The combination of ArchPro's technologies and Synopsys' market-leading verification solution will enable designers to successfully meet their power goals."

"Adoption of sophisticated power management techniques is increasing rapidly in the industry," said Manoj Gandhi, senior vice president and general manager, Synopsys' Verification Group. "ArchPro has built technology leadership to address the need of this growing market. This acquisition will help Synopsys continue to address customers' needs beyond our SystemVerilog leadership and deliver state-of-the-art power management verification technologies."

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CIMdata Opinion Poll

Remember to Vote in CIMdata's Current Opinion Poll on Your Organization's Positioning of its PLM Initiative and Whether it has Established a Formal PLM Related Vision & Strategy

15 June 2007

Last chance to indicate how the PLM initiative is positioned within your organization and whether your company has established a formal PLM related vision & strategy. It takes seconds to participate in our poll so please take a moment now and vote at <http://www.cimdata.com/research/polls/polls.php>

CIMdata Privacy Policy

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

Certeon Accelerates Product Lifecycle Management Environments

18 June 2007

Building on momentum generated from the announcement of [The Certeon Application Acceleration Blueprint™ for UGS Solid Edge™](#), [Certeon](#) announced the addition of five new resellers focused on product lifecycle management (PLM) to its [Partner Acceleration Program](#). The three new U.S. and two U.K. partners continue Certeon's progress in accelerating PLM over the Wide Area Network (WAN) and provides customers across the globe with the resources to speed PLM deployments.

Certeon has added [APlus Integrated Manufacturing Solutions](#), Aurora Design & Consultancy, [Ingenea Limited](#), [PLM Leader](#) and [Nasco Tek](#) as certified resellers of the Certeon S-Series™ Application Acceleration Appliance. The need for digital collaboration and content delivery between distant groups has increased dramatically among manufacturers and suppliers. Often, remote locations must connect over WANs to access the central data repository, but network latency can significantly bog down collaborative design operations in this situation. By deploying Certeon technologies, these PLM-focused resellers can help their customers reduce download and assembly times of large design files to a matter of seconds—and achieve response time improvements averaging 1,000 percent.

“Manufacturing companies thrive on the collaboration that is the heart of PLM. But most manufacturers and suppliers are globally distributed, and it becomes difficult to access the large CAD files often traveling across the WAN,” said Dennis Pence, president of APlus Integrated Manufacturing Solutions. “With Certeon's Application Acceleration Blueprint for Solid Edge, our customers can turbo-charge application response time across the WAN—maximizing the PLM infrastructures that drive business.”

Leveraging Certeon's specific knowledge of the application data, the new PLM-focused resellers can help their global customers maximize infrastructure investments. Certeon's S-Series Appliances enable enterprises to speed decision making, avoid costly redesign work and increase productivity by significantly accelerating PLM applications across the WAN.

“The days when our customers' employees were all centrally located have disappeared. Product design has gone global,” said Jon Sutcliffe, technical director of Ingenea Limited. “This global distribution makes collaborative PLM difficult as large files lag over a WAN. But with Certeon's

S-Series Application Acceleration Appliances, our customers are uniquely able to securely and cost-effectively speed PLM collaboration and development.”

The Certeon S-Series Appliances featuring an Application Acceleration Blueprint for Solid Edge are currently available. Certeon offers three models of Application Acceleration Appliances: the S-1000, S-2000 and S-3000, supporting small branch offices, regional offices and large data centers, respectively.

In addition to the Solid Edge Blueprint, Certeon also has Application Acceleration Blueprints for the 2007 Microsoft® Office™, SharePoint® and EMC® Documentum® & eRoom® platforms, as well as SharePoint and Office 2003.

“Since our announcement of the Application Acceleration Blueprint for Solid Edge, manufacturing companies have been lining up to optimize their PLM infrastructures,” said John Lloyd, vice president of business development for Certeon. “With the addition of these five new high-caliber resellers, Certeon will be able to effectively meet the swelling demand for the S-Series appliance and streamline the deployment of PLM applications.”

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Dassault Systèmes Enters the Norwegian Market with Local Partners

13 June 2007

Dassault Systèmes (DS) announced the opening of operations in Norway, through local business partners, as part of its business expansion into the Nordic countries. New local business partners, PLM Technology and Technia will reinforce DS’s initiative, strengthening its mission to deliver cutting-edge PLM solutions to existing and new Norwegian customers, enabling them to boost innovation and speed time to market.

“DS is pleased to further expand our cooperation with some of Norway’s leading entrepreneurs. DS’s goal is to help them adopt PLM solutions that will leverage the talents of all stakeholders, driving innovation and helping them to bring to market new and better products faster, ultimately building market share. We are excited about the business opportunities in the Norwegian market. We will be focusing our efforts particularly in the shipping and offshore mechanical industry and subcontractor markets,” says Didier Gaillard, managing director, Dassault Systèmes, Sweden.

DS and its Norwegian partners have a particular focus on delivering end-to-end PLM solutions to SMBs, which represent half of the total PLM market. DS’s CATIA for designing the virtual product, ENOVIA for global collaborative lifecycle management and DELMIA for virtual production represent the core portfolio of PLM solutions aimed at the SMB market. PLM Technology and Technia will include all in their PLM portfolios, including:

CATIA PLM Express, delivering CATIA excellence affordably and quickly to any size company in any industry, and

ENOVIA SmarTeam Design Express, an out-of-the-box, multi-CAD PDM solution that is up and running in just days.

As part of its launch into the Norwegian market, Dassault Systèmes is participating with PLM Technology and Technia at the Nor-Shipping fair on June 13. Attendees will hear from one of DS’s shipbuilding customers about the business benefits it is reaping from DS’s PLM solutions: Hydrolift AS,

a Norwegian speed boat manufacturer, will present its new generation of globally distributed high-performance, high-tech pleasure boats.

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New President in Eurostep America, Inc.

18 June 2007

”After an extensive search for the right person we are very pleased to announce that Stephen Daimler has agreed to join us,” says Håkan Kårdén, CEO of Eurostep Group AB.

”Eurostep has already succeeded in acquiring several major organizations as clients in the US. We have also successfully delivered a number of PLCS training seminars. These seminars have generated a significant interest in “going live” with PLCS-based solutions, such as our server solution [Share-A-space™](#). I am very happy to get access to Stephen Daimler’s proven leadership and sales skills in the further development of our US operations. Mr. Daimler’s background in engineering at the Kennedy Space Center, complemented by 30 years of experience in Sales and Executive Sales Management in software corporations like Federation Software and Matrix One is ideal for Eurostep,” ends Mr. Kårdén.

“Eurostep is breaking new ground in delivering software solutions based on industry standards for information management. These solutions deliver what other companies only show in PowerPoints. From my own experience of working with product data life cycle management, I know what a big difference efficient information management makes on the bottom line. I look forward to helping more American organizations reap the benefits of using Eurostep’s solutions, just like European companies already have,” states Mr. Daimler.

For more information, please contact:

Eurostep Group, Håkan Kårdén, CEO, at +46 8 4101 3150, e-mail: hakan.karden@eurostep.com, or visit <http://www.eurostep.com/>, or <http://www.share-a-space.com/>

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NGC Promotes Mark Burstein to Vice President of PLM Solutions

19 June 2007

New Generation Computing® ([NGC®](#)), announced that Mark Burstein has been named vice president of PLM solutions.

In his new role, Burstein will work closely with NGC and its customers on the continued enhancement and future direction of NGC's e-PLM solution for Product Lifecycle Management (PLM). Burstein retains his current responsibilities in sales and sales management as he assumes his new position.

The increased focus on PLM reflects the growing importance of Product Lifecycle Management in the apparel and retail industry. "Sales of NGC's PLM solutions are increasing rapidly, and NGC's approach -- an end-to-end solution that includes PLM and global sourcing -- is resonating in the market," said Alan Brooks, president, NGC. "In his new position, Mark will help ensure that NGC continues to respond to the strong customer demand for our PLM solutions."

e-PLM is part of NGC's SQL Series, which also includes e-SPS® for global sourcing and visibility and RedHorse® software for apparel ERP, as well as solutions for shop floor control and shipping. The SQL Series can be deployed as integrated, end-to-end solutions or best-of-breed.

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Sales of Lectra's New-Generation Vector Cutters Tops 100 in Only Four Months

19 June 2007

Just four months after launching its new generation of Vector automated cutting systems, Lectra announces that sales of the new Vectors have topped 100.

The major manufacturing regions (China, the Indian subcontinent, Eastern Europe, South America) have demonstrated their confidence in Vector cutters specialized in high-volume production, while major prime contractor countries (the United States, Italy, Japan) have favored the fast, flexible cutters dedicated to small-run production.

"By crossing this symbolic threshold so quickly, our new generation of Vectors shows the extent to which the huge investment we made was a winning bet," said Lectra CEO, Daniel Harari.

"Thanks to the partnerships we forge with our customers every day, we know their challenges well, and we work with them to develop solutions that respond to those challenges," he continued. "Today, the Vector is the leading cutter on the market in terms of intelligence, power, and reliability. It is the only one that is specialized by market sector and provides manufacturers with a really adapted response."

Unique on the market: less than one year return on investment

To enhance production capacity, the new-generation Vectors have a powerful motorization system that allows for the cutting of more garments more quickly, thus increasing productivity by up to 15%. It guarantees ultra-precise cuts, even with edges at a tangent, to optimize marker making and save up to 5% of materials per year. Manufacturers can deliver supplemental orders of up to 50%, thanks to the solution's reliability and integrated preventive maintenance. Operating costs can be reduced by up to 20%, thanks to the energy saver system and the increased lifespan of spare parts and consumables.

Innovative strength, expert service

For 15 years, Vector cutters have been a technological point of reference in cutting solutions. The new generation of Vectors is the result of Lectra's determined research and innovation policy, involving more than three years of research and an investment of €12 million.

To accompany its customers, Lectra offers a network of 90 experts and five international expertise centers located throughout the world to quickly provide them with the training, advice, and support they need to guarantee the security and flexibility of their production.

In addition to remote assistance, 200 technical consultants are positioned to respond as quickly as possible to customer requests for assistance in order to guarantee production continuity.

[Lectra](#) also offers a broad range of high-performance, long-lasting spare parts and consumables, specifically developed for its solutions and available at all times.

“The Vector is the first automatic cutting solution to successfully combine performance and intelligence. That is the key to its success today, demonstrating the lead that Lectra has taken in its technology and services offering,” concluded Daniel Harari.

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TopSolid'Wood Works Closely With Biesse America

21 June 2007

[Missler Software](#), developer of TopSolid'Wood, the integrated CAD/CAM software for the woodworking industry, has been working closely with Biesse America, a leading provider of high-tech woodworking, glass, and stone systems, to successfully launch TopSolid'Wood on the US market. Participation in the Biesse One2One program has enabled Biesse customers to see the possibilities TopSolid'Wood offers for piloting Biesse CNC machinery.

TopSolid'Wood, a 3D design solution, outputs to the CNC plant floor through TopSolid'WoodCam, an integrated CAM solution which automatically produces the ISO code, via a post processor, to manufacture parts on CNC machinery. TopSolid'Wood offers unique and complete simulation of the machine tool which is vital to verify complex 5 axis tool paths.

You can see TopSolid'Wood on demonstration at the next One2One Biesse OPEN HOUSE, 21-22 June, in company headquarters in Charlotte, NC. TopSolid'Wood will be present at the AWFS fair in Las Vegas, 18-21 July, on booth 1751. You can also see TopSolid'Wood on the Biesse AMERICA booth, CENTRAL HALL, booth 5451.

Missler Software and its European resellers work closely with Biesse in Europe. TopSolid'Wood was on demonstration at the Biesse booth at Ligna in May and will be displayed at the Biesse S.p.A Headquarter open days in October later this year.

About Biesse America:

Biesse America is a leading provider of high-tech woodworking, glass, and stone systems, supplying machinery and engineering solutions to customers who are faced with solving complex production, technology, and logistic problems in the panel machining and furniture making industries. The company's Systems Division specializes in engineering and plant layouts for advanced factories throughout the world. Biesse America is located in Charlotte, North Carolina. The company is a subsidiary of Biesse Group, S.p.A., which is based in Pesaro, Italy.

For more information please visit <http://www.biesseamerica.com/>, <http://www.intermacagm.com/>

Volvo Trucks and Mentor Graphics Successfully Complete AUTOSAR Project

18 June 2007

Mentor Graphics Corporation announced successful results of an AUTOSAR demonstrator project recently completed with Volvo® Trucks. AUTOSAR is the standards organization working to create an

open standard for automotive engineering architecture. Mentor is a premium member of AUTOSAR. The project entailed completely redeveloping an existing climate control system using AUTOSAR technology. The goal of the project was to increase the knowledge about AUTOSAR within the Volvo group as well as evaluate commercial viability of the AUTOSAR concept itself.

AUTOSAR recently released its first set of specifications (release 2.1, January 2007) to be used as the basis for product development. Automotive OEMs and suppliers are looking at the possibility of basing their products and systems on AUTOSAR technology. However, the AUTOSAR partnership stipulated from the beginning that commercial vehicles should not be explicitly considered when developing the AUTOSAR concept. AB Volvo, being a commercial vehicle manufacturer (trucks, buses, construction equipment and marine engines) as well as an AUTOSAR Premium Member, decided to evaluate the AUTOSAR concept from a commercial vehicle manufacturer's perspective to verify whether the AUTOSAR standard can handle the special needs of this domain, without getting into conflicts.

In the project, Mentor Graphics was the main contractor responsible for developing and integrating the entire basic software, i.e. the AUTOSAR middleware platform, with the operating system and the run time environment generator being developed by Live Devices of ETAS Group.

A key element in Mentor Graphics tool development for this project was the adaptation of VNA (Volcano Network Architect) into the design flow, enabling predictable network communication over CAN (Controller Area Network) even in the context of AUTOSAR.

Five months after the start of the project the prototype was successfully integrated and tested in a real truck. "Mentor's turn-around time to implement this helped us to meet our milestones in time," said Joakim Ohlsson, Senior Software Architect, Volvo 3P. "The prototype included support for commercial vehicle-specific bus protocols such as SAE J1587 as well as advanced control of actuators such as stepper motors. The application was also split in different ways over ECUs to test the transferability of functions (atomic software components, SWC) across the network."

Results from the demonstrator project indicate: (i) the major AUTOSAR concepts are working; (ii) it is possible to handle special needs for commercial vehicles; and (iii) AUTOSAR components and tools are mature enough to start concept studies targeting product development.

"Mentor's expertise in AUTOSAR and its commitment to the customer showed in the timely delivery of products as well as technical support for the integration effort that led to a successful closure of the project within a very short time," said Serge Leef, general manager, Mentor Graphics System Level Engineering Division. "We believe our investment and commitment in this area will ultimately lead to tremendous benefits for our customers. These recent results are an important milestone in the road to commercial deployment of AUTOSAR standards."

About AUTOSAR

[Mentor](#) is a premium member of AUTOSAR (AUTomotive Open System ARchitecture), which is a global development partnership of automotive manufacturers, suppliers and companies specializing in electronics, semiconductors and software.

Since 2003, these companies have been working to develop and establish an open standardized software architecture for the automotive industry. By facilitating the exchange and updating of software and hardware, AUTOSAR will be an enabling technology to manage the growing complexity of automotive electrical and electronic architecture in vehicles and to improve cost efficiency without making compromises on quality. The core partners in AUTOSAR are the BMW Group, Bosch, Continental, DaimlerChrysler, Ford, Opel, PSA Peugeot Citroën, Siemens VDO Automotive, Toyota and Volkswagen. In addition to these companies, approximately 50 “premium members” also play an important role in the partnership. AUTOSAR specifications can be used free of charge by companies that join the development partnership.

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Events News

Attendance up 35 Percent at Cadence CDNLive! User Conference Held in Munich, Germany

19 June 2007

[Cadence Design Systems, Inc.](#) announced the successful kick-off of the 2007 worldwide series of Cadence® CDNLive! user conferences which took place in Munich, Germany. More than 550 engineers and industry executives visited the 2nd annual CDNLive! EMEA (Europe, Middle East and Africa) event. They participated in the vast conference program, which included 60 technical sessions, and shared information and ideas with other Cadence technology users and Cadence technical experts.

In his keynote speech, Mike Fister, president and CEO of Cadence focused on the challenges that engineers face as they design complex systems for a wide array of applications. The key semiconductor-industry trends were summarized as being increased complexity, low-power efficiencies, changes in manufacturing setup and the need for increased teamwork. These are challenges for which electronic design automation (EDA) provides solutions. Fister identified the consumer-electronics area as a key growth driver with its own dynamics and time-to-market requirements as well as wireless designs for applications in the medical area that lead the IC market.

René Penning de Vries, senior vice president and chief technology officer for NXP Semiconductors pointed out the importance of the verification process in his keynote address at the conference. He noted that the semiconductor industry and providers of EDA technology must find ways to work together effectively to get the complex integrated system-on-chip designs right the first time.

CDNLive! conferences are held around the world. Upcoming 2007 events are Shanghai (July 17), Tokyo (July 12-13), San Jose (Sept.10-12), Bangalore (Oct. 11-12), Tel Aviv (Nov. 5) and Hsin-Chu, Taiwan

(Nov. 13). At these events users learn about the latest insights on complex electronic-design-automation issues, solutions to address the anticipated IC design challenges of tomorrow as well as practical techniques and tips from other power users, domain experts and Cadence technologists to further their design skills. Executives are also able to network with peers, exchange views on the key challenges for the industry, and get a deeper level of understanding of how Cadence can help them to address their long-term business strategies.

"The CDNLive! user conference proved to be an essential event for anyone in the electronic-design community in EMEA and around the world. It provided a unique opportunity for sharing knowledge with top designers and executives alike," said Alexander Duesener, EMEA marketing director at Cadence. "Continued positive feedback from technical attendees and executives is very encouraging and shows us that we are on the right track with our conference concept."

At CDNLive! EMEA conference participants were invited to vote for the best user-authored technical paper/presentation in each track. The winners are as follows:

Track 1: Custom IC: Gernot Heiling — austriamicrosystems CDB to OA — The Migration Report

Track 2: Digital Implementation: Martin Spohr — NEC Debugging Clock Trees Will Now Be Easier

Track 3: Functional Verification: Markus Gross — Siemens AG Methods to Improve Verification Quality on the Module Level

Track 4: SPB Co-Design: Mike Veal — IBM How to Use SPB 15.7 to Simplify Your DDR Constraints

Track 5: Logic Design: Eric Faehn and Remy Chevalier — ST Microelectronics Improving Productivity by Designers Using Formal Analysis

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AVEVA Announces International Symposium for Engineering IT (ISEIT) 2007 Conference

21 June 2007

AVEVA has announced the dates and a preliminary program for its 8th annual International Symposium for Engineering IT (ISEIT) conference, which will be held in two locations this year. ISEIT 2007 Europe will take place in London, England from 9-10 October at the Park Plaza Riverbank Hotel. ISEIT 2007 Americas will be held 22-23 October at the Hotel Contessa, San Antonio, Texas, and co-located with ViewPoint Americas, an independent AVEVA user group meeting, held 23-24 October.

ISEIT takes an executive-level look at the business and technical challenges of building and maintaining engineering assets. The theme of this year's ISEIT conferences is "Continual Progression", examining the

interdependence of information technology and real-world engineering with a thought-provoking program focused on industry-specific trends, best practices, and strategies that provide a competitive management advantage in today's dynamic marketplace. The theme underscores AVEVA's commitment to helping engineering firms and owner/operators achieve global working with less risk, shorter lead times and improved business efficiency, by offering intelligent technology solutions that evolve to meet customer needs, without disrupting work processes.

For the latest information on ISEIT and to register, please visit <http://www.iseit.com/>.

About ViewPoint Americas Meeting

ISEIT Americas 2007 will be co-located with the ViewPoint Americas AVEVA User Group meeting, for a combined 3-day event 22-24 October. ViewPoint Americas will pick up the afternoon of 23 October with a technical program that encourages users of AVEVA solutions to share valuable business ideas, experiences and productivity tips. Viewpoint will also be hosting presentations and workshops that discuss how to work smarter, not harder, in today's competitive environment. For more information on ViewPoint visit <http://www.viewpointamericas.org/>.

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Delcam to Show World's Most Comprehensive CAM Range in Vietnam

18 June 2007

Delcam will demonstrate the latest versions of all four of its CAM product ranges, PowerMILL, FeatureCAM, PartMaker and ArtCAM, at the [MTA Vietnam](#) exhibition to be held from 4th to 7th July in Ho Chi Minh City. The comprehensive nature of Delcam's family of software was an important factor in making the company the world's leading CAM specialist in the latest CIMdata rankings.

Of most interest to visitors will be the PartMaker range of software for Turn-Mills and Swiss-type lathes, which will be shown in Vietnam for the first time. PartMaker pioneered the use of CAM for these types of machine with its patented Visual Programming Approach for multi-axis lathes with live tooling. The software provides substantial gains in efficiency with its unique "divide and conquer" approach to programming complex parts and also boosts machine productivity with its ability to synchronise multiple operations. Version 8 features a wide range of improved functionality, including the introduction of the PartMaker Full Machine Simulation module which allows the user to view the complete machining sequence on a photo-realistic 3D model of the machine.

The latest release of PowerMILL includes new and improved functionality for roughing and finishing with both three-axis and five-axis machines. The enhancements include a wider range of five-axis strategies for both roughing and finishing, including the ability to generate a five-axis toolpath from any three-axis toolpath, three-axis swarf machining and parametric surface finishing, together with faster calculation times, improved point distribution and easier data management.

FeatureCAM 2008, the latest version of this feature-based machining software, includes include support for continuous five-axis machining for the first time, more efficient turning through better and easier control of stock remaining, and an improved tool database with more options to link pre-defined feeds and speeds to individual tools. This new release also features numerous smaller enhancements and speed-ups, plus new and updated post-processors, in particular for turn-mill equipment, including the Mazak Integrex, Daewoo Puma and Nakamura-Tome machines.

Delcam will also feature the new ArtCAM family of artistic CAD/CAM software. The range comprises four key products; a new entry-level version to be called ArtCAM Express, plus enhanced releases of the ArtCAM Insignia, ArtCAM Pro and ArtCAM JewelSmith programs. Like the previous ArtCAM range, the new family of software is aimed at skilled artisans rather than engineers and requires little knowledge of engineering or computing. The major change from that range is that all of the programs will be able to import and machine 3D models.

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Endeca Introduces the Endeca Developer Network (EDeN)

20 June 2007

Endeca Technologies, Inc. introduced the Endeca Developer Network (EDeN). EDeN encompasses new community-building initiatives and networking vehicles and is designed to facilitate open communication and collaboration among Endeca's customers, partners, and the Endeca team. The goal of these efforts is to provide a catalyst for continued application innovation by connecting thousands of users across the globe with peers who share common objectives, environments, and needs.

“Over the past two years, our customers and partners have been the driving force behind regional and global networking forums that encourage relationship building and the open exchange of ideas and best practices,” said Steve Papa, chief executive officer of Endeca. “These highly successful events have amplified the voice of the customer, provided valuable lessons on how to accelerate application innovation, and fueled additional demand for social-networking opportunities among the greater Endeca community. EDeN is the culmination of these efforts – a scalable, open solution to meet this growing demand and provide a fertile ground for cultivating the next generation of information-access applications.”

At Endeca Discover 2007, the 500-plus attendees got their first look at the new EDeN Portal beta site. An online forum built on Endeca Information Access Platform, it's designed both as a collaborative knowledge resource and social-networking site. The site, which is the initial online component of EDeN, includes thousands of technical documents, best practices, tools and utilities, code samples, case studies, and other information, the majority of which was previously available only within Endeca. It will also feature the Office of the CTO blog, hosted by Endeca's chief technology officer, Adam Ferrari, and the Product News blog, hosted by members of Endeca's Product Management and Customer Solutions teams.

Over the next few months, the EDeN portal will introduce additional social-networking and affinity capabilities. They'll allow users to find peers by industry, job function, application type, and more; connect directly with product specialists at Endeca; and explore a vast collection of sample code, case studies, best practices, documentation, and blog content.

EDeN will also include offline programs such as 20-plus regional Endeca community meetings over the next 12 months. Planned for major North American and European cities, including Chicago, London, Paris, New York and San Francisco, these events will be hosted and driven by Endeca customers and partners.

Discover 2007 is being held at the Hyatt Regency Boston, June 19-22, 2007, and features nearly 50 breakout sessions, live demonstrations, and networking lunches.

For more detailed information on the conference agenda or to register, please visit <http://www.endeca.com/discover>.

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GibbsCAM Featured at Mazak NE Tech Center Open House

18 June 2007

Gibbs and Associates, developer of GibbsCAM®, software for programming CNC machine tools, announced that GibbsCAM was featured at the Mazak Open House, held at Mazak's Northeast Regional Technical Center, in Windsor Locks, Connecticut on June 19th– 21st. Gibbs and Associates has worked closely with Mazak to ensure that GibbsCAM MTM supports Mazak's multi-task machining centers along with their non-MTM machine tools. The latest version of GibbsCAM demonstrated included Machine Simulation support for multi-task machining allowing users to do virtual machine setup and prove-out of their programs avoiding costly errors out on the shop floor.

“We continue to work with Mazak Technical Centers throughout the world,” comments Robb Weinstein, Gibbs' Senior VP, Sales and Strategic Planning. “Gibbs has continued to create custom post processors to support Mazak's diverse line of machine tools, such as Variaxis and E-Series. This is in addition to the numerous post processors that have been created to support Mazak's Integrex series of machine tools. Gibbs now can provide more post processors for Mazak CNC machine tools, from basic 3-axis mills to the most sophisticated machines Mazak offers, and therefore offer a more complete solution for Mazak customers directly from Gibbs than any other CAM system provider. We also offer more advanced machine simulation capabilities for Mazak machine tools through our collaboration with CGTech. CGTech has worked with Mazak for many years and has numerous machine models readily available for their VERICUT product.”

This event closely followed Mazak's Energy Expo held June 13th - 14th at Mazak's Energy Services Technology Center, in Houston, Texas, which GibbsCAM was also featured at.

For more information about GibbsCAM and MTM, or to locate your local GibbsCAM Reseller, go to <http://www.gibbscam.com/>, call 1-800-654-9399, or email info@GibbsCAM.com. For more information about the Mazak Open House, go to <http://www.mazakusa.com/Hartford07/>

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International Conference on Computer-Aided Design (ICCAD) Previews Keynote Presentations and Strong Technical Program

20 June 2007

The International Conference on Computer-Aided Design (ICCAD) announced the two keynote speakers for the 2007 conference to be held November 5-8 at the Doubletree Hotel in San Jose. The full technical program will be available at <http://www.iccad.com/> by the end of August, 2007.

After receiving and evaluating 512 internationally diverse technical paper submissions, the conference finalized the program at its recent Technical Program Committee (TPC) meeting. The resulting acceptance rate was 26%, which underscores the unique quality of ICCAD's program in this industry: a program almost exclusively based on peer-reviewed papers.

This year's keynotes follow the long-term tradition of showcasing rigorous innovation in long-term design technology challenges.

"As the first design technology conference to establish a formal nano-technology track, ICCAD continues to drive the future of the design industry in this direction," said Dr. Georges Gielen, ICCAD 2007 General Chair. As part of this leadership, ICCAD will feature a keynote address given by Dr. Jeffrey Welser, director of the Nano-Electronics Research Initiative, on Tuesday, November 6. Dr. Welser will speak on the challenges behind the creation of a successor to CMOS and how design technology will play a critical role in this development.

The second keynote will be by Dr. John Kibarian, founder, president and CEO of PDF Solutions, on Thursday, November 8. "Design technology is intimately connected to the enablement of the design-manufacturing interface at 65nm and below," said Dr. Sani Nassif, ICCAD 2007 technical program chair. Dr. Kibarian's talk will focus on proactive approaches to DFM with which yield-aware design flows can be constructed based on the thorough understanding and characterization of design-process interactions. It also includes a futuristic, robust, yet area-efficient approach based on extreme layout regularity.

About Dr. Jeffrey Welser, Director, SRC Nanoelectronics Research Initiative

Dr. Welser directs the SRC consortium's nanoelectronics research, which is conducted in collaboration with U.S. federal and state government research agencies. Dr. Welser's main goal is to develop an information element that can replace the complementary metal-oxide semiconductor field-effect transistor (CMOS FET) in the year 2020 or beyond, with an expectation to integrate the new information element with existing CMOS technology. A 20-year-veteran and industry leader in the semiconductor

industry, Dr. Welser has had a number of important positions at IBM including: director of next-generation computing technology at IBM's Almaden Research Center, director of high-performance CMOS technology, management committee leader for the Sony-Toshiba-AMD-IBM Development Alliance, and manager of the Exploratory Silicon Devices & Circuits organization at IBM's T.J. Watson Research Center.

About Dr. John Kibarian, CEO and President, PDF Solutions Inc.

John K. Kibarian, Ph.D., one of PDF Solutions, Inc.'s founders, has served as President since November 1991 and has served as PDF Solutions' chief executive officer since July 2000. Dr. Kibarian has served as a director of PDF Solutions since December 1992. He received a B.S. in electrical engineering, an M.S. E.C.E. and a Ph.D. E.C.E. from Carnegie Mellon University.

Keynote and Program Publication

The ICCAD website will show a description of these keynotes and the overall program by the end of August, 2007. For more information and registration, please visit <http://www.iccad.com/>. The site also contains a freely accessible archive of past proceedings and presentations.

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Lectra World 2007 Tours the Globe

20 June 2007

Lectra World 2007 continues its world tour following the success of its various events held in France, China, Tunisia, Northern Europe and Thailand.

Rendezvous at the Upcoming Lectra World 2007 Events

This series of events offers players in the fashion, automotive, and furniture industries the opportunity to take part in a new world of technological innovation.

The next Lectra World 2007 events for fashion will take place in Bangalore (India) in September and in Bordeaux (France) in October and November. A Lectra World 2007 automobile event will also take place in Shanghai (China) in September. Other events are being planned.

To participate in Lectra World 2007, register at this address:

http://www.lectra.com/lectra_world_2007/en

A New World of Technological Innovation

It was during the very first Lectra World 2007 that Lectra unveiled the result of these last five years of R&D, representing a total investment of 80 million euros. A technological milestone surpassing those of Lectra's previous major international conferences in 1993 and 1996.

[Lectra](#) World 2007 kicked off with the new Vector generation, where power and intelligence join forces, with Modaris 3D Fit, a huge step forward in 3D virtual prototyping, with Kaledo, which puts creation at the heart of the fashion designer's profession, and with Lectra Fashion PLM, a major advancement in

collections management. Lectra World 2007 also shows how a company gains a competitive edge by integrating communicative and collaborative solutions throughout the product lifecycle.

Focus on Previous French and Chinese Events

At the beginning of 2007, in Bordeaux (France), at the heart of its brand new 4500-square meter technology village, the Lectra International Technology and Conference Center, Lectra World 2007 brought together 650 customers, institutional representatives, and journalists from all over the world.

Among the major brands, retailers and manufacturers of fashion, Lectra welcomed BCBG (USA), Benetton (Italy), Christian Dior (France), Clarks (UK), Dolce & Gabbana (Italy), H&M (Sweden), Mango (Spain); from the furniture industry, B&B Italia and Natuzzi (Italy), Neiser (Baltic States), Walter Knoll (Germany), Ekornes (Norway); and among the major world equipment suppliers, Faurecia (France), Johnson Controls (USA), Milliken (USA) and Toyota Boshoku (Japan).

In Shanghai, the event brought together 200 companies from the fashion market most of them from China, but also from Taiwan, Korea, Japan and Hong Kong. The participants also visited Lectra's Shanghai facility which houses the Asia Pacific Headquarters, the International Advanced Technology Center (IATC) and the Call Center in a 2700-square meter facility.

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Pharmaceutical and Life Sciences Companies Look to a More Holistic Approach to Enterprise-Wide Content Management

19 June 2007

Facing increased regulatory and legal scrutiny, pharmaceutical and life sciences companies have rushed to adopt new technology to cope. But the rapid pace of adoption has left many companies juggling a hodge-podge of information silos. Their biggest challenge today is taking an enterprise wide approach to managing enterprise content that ensures consistency, speeds product development and reduces costs.

According to Open Text™ Corporation, life sciences industry companies need to create an enterprise-wide content management strategy to consolidate content-centric applications, and provide a holistic, centralized view of business content across all systems, repositories and geographies.

In the pharmaceutical industry, accurate and reliable documentation is essential to show that critical processes that could impact human health, such as the manufacture of a drug, have been performed to industry standards. Sharing key information with team members, making the best decisions possible based on all relevant information, and complying with regulatory requirements are crucial. An enterprise-wide content management strategy improves information sharing across departments and supports critical processes for the compliant management of all paper and electronic records and documents.

"Because life sciences companies deal with human health and the safety of new drugs and devices, the information management stakes are very high," said Brett Shellhammer, Vice President of Business Solutions for Open Text. "Creating enterprise transparency is a major challenge as the product development stages become segmented between departments and content does not transition efficiently through the phases of the drug lifecycle. Inconsistent processes can lead to not only serious impacts to project timelines and schedules but also significant legal and regulatory compliance risks. By

CIMdata PLM Industry Summary

implementing an enterprise content management system, life sciences companies can ensure that all vital information is secured and centrally managed, increasing operational efficiencies and mitigating risk."

In addition to the benefits of information sharing and reduced duplication of efforts, life sciences companies are recognizing the pure cost advantage of a single ECM system for the housing of all vital business information. By deploying a single ECM platform for the management of finance and operational content, drug development documents, clinical trials and patient record information, Standard Operating Procedures (SOP), and quality control documents, companies can lower the total-cost-of-ownership of content management technology, and significantly reduce the roll-out and training investment associated with the deployment of a new desktop application.

Life sciences companies can take several steps to ensure they're on the right path to achieving enterprise transparency by leveraging existing technology solutions and content repositories and coupling them with a next-generation enterprise content management framework. Powerful enterprise search functions, security controls to ensure appropriate access, metadata capture, secure information retrieval with process automation tools, and intuitive retrieval capabilities are all required to ensure content is available to appropriate users when they need it and in the context of how they are working with that content.

Open Text recognizes the emerging industry need to have enterprise transparency and an enterprise-wide content management strategy in life sciences. With Open Text's ECM solutions and applications for life sciences companies, customers can more effectively leverage content and metadata investments across applications and the organization, to provide a unified view of business content for risk mitigation, compliance with regulatory requirements, as well as significant productivity gains and better decision-making.

"Life sciences companies look to Open Text, not only for the latest software solutions, but also for people who truly understand their complex business requirements as it relates to content management, security, and solutions for regulatory content and submissions management, quality management, and clinical trials procedures," added Shellhammer. "We possess the domain expertise, re-usable best practices, and a strong network of partners that work closely with us to develop and extend the value of our offerings for pharmaceutical and life sciences companies."

Open Text will be showcasing its industry-specific solutions for pharmaceutical and life sciences companies at DIA's 43rd Annual Meeting (<http://www.diahome.org/DIAHome/FlagshipMeetings/home.aspx?meetingid=11362>) being held this week in Atlanta, Georgia, at the Georgia World Congress Center. Open Text will be at booth # 115.

Detailed information about Open Text's life sciences solutions can be found at <http://www.opentext.com/2/sol-industry/sol-ind-pharma.htm>

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Rafale Showcased on the Web Using Interactive Real-time 3D from Dassault Systèmes

20 June 2007

Dassault Systèmes ([DS](#)) announced that [Dassault Aviation](#) is using its [Virtools](#) technology to showcase the Rafale Exhibition on its website in real-time 3D. This is a real-time 3D experience shared at: <http://www.dassault-aviation.com/rafale3D/Virtools.htm>.

The online interactive application allows visitors to preview the different parts of the aircraft demonstration that will be held on a daily basis at the Paris Air Show. Pilot Eric Gérard will be showcasing the latest technical advances of the aircraft and his comments will be retransmitted in the online application. Several views are proposed to visitors for an improved user experience.

"Virtools technology allowed us to recreate the Rafale demonstration in an interactive online application in record time. It provides Dassault Aviation with an innovative communication tool linking the real and virtual worlds, and enables people all over the world to access the Rafale demonstration," explains Van der Bosh, Dassault Aviation.

"Already intensively using DS's PLM solutions, Dassault Aviation's use of Virtools technology to provide new interactive experiences to a wider audience is an important step forward, proving once again that Dassault Aviation is a pioneer in the industry," says Bertrand Duplat, CTO, Virtools, Dassault Systèmes. Positioning interactive real-time 3D as the communications medium of the 21st century, Virtools is a major component of DS's "3D For All" strategy, designed to allow the general public to benefit on a day-to-day basis from the advantages offered by real-time interactive 3D solutions.

Wide-scale deployment of Made-With-Virtools applications is made possible thanks to Virtools deployment solutions - to provide interactive experiences either online, through the corporate intranets/extranets or on immersive displays. The Dassault Aviation Web-based Rafale application benefits from Virtools 3D Life Player's technology, now compatible with the latest Microsoft Operating System, Windows Vista, as well as the Macintosh Universal format.

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3D Visualizations Take Center Stage at the 2007 Paris Air Show

19 June 2007

Long recognized as a pinnacle trade event for the aerospace industry, the 2007 Paris Air Show will be home to a new breed of advanced 3D component visualization presentations developed with the Anark Media Platform v. 4.0. These realistic 3D visual applications will enable Anark's aerospace customers to more effectively communicate the features and benefits of their latest product offerings to their customers and partners.

Each application utilizes the power of Anark's lightweight interactive 3D technology to effectively highlight new product capabilities for a variety of aircraft components built by market leaders such as Pratt & Whitney, Moog, and Esterline. These companies will utilize a wide array of Anark-based interactive marketing solutions to demonstrate the functionality and benefits of numerous new products at the upcoming Paris Air Show, June 18-24 at the Le Bourget Exhibition Center.

Esterline is incorporating products from six manufacturing divisions. This array of products has been integrated into one interactive presentation which allows users to individually identify the breadth of Esterline's product offering along with individual components by business unit or by their location inside of a complete aircraft system.

Moog will highlight a national commercial aircraft configured with precision motion control actuators and electronics. With this presentation, Moog can visually display a complete "stick-to-tail" aircraft flight control system, detailed views of individual components, and how multiple components combine to affect an aircraft in flight.

Pratt & Whitney will showcase their next-generation engine technology with a 3D application dedicated to demonstrating the Gear Turbofan™ engine. With this 3D presentation, Pratt & Whitney is able to visually display the advanced new technologies that have been integrated into this engine design for the next generation of commercial jets.

Anark delivered these customer facing applications by transforming original Computer-Aided Design (CAD) product engineering data assets and transforming them into a lightweight, IP protected, format appropriate for PC-based interactive 3D presentations.

"[Anark](#) has a long-standing commitment to helping leading aerospace manufacturing companies communicate more effectively with advanced interactive 3D applications for marketing communication, training, technical publications and product configuration," said Stephen Collins, Anark CEO. "We are excited to help innovative market leaders of the caliber of Pratt and Whitney, Esterline and Moog to demonstrate the capabilities and benefits of their new products in a more engaging and economical manner than with physical prototypes or historical 2D digital solutions."

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UGS PLM Software Holds Successful "UGS Connection Greater China 2007" in Boao, China

21 June 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)), hosted its "UGS Connection Greater China 2007" in Boao, China, in which more than 800 UGS PLM Software customers, partners and journalists from the Greater China region attended.

2007 is the 20th anniversary of UGS PLM Software's business in China and during this time the company has devoted itself to facilitating product innovation by providing state-of-the-art software technologies, thus enabling Chinese enterprises to improve their competitiveness in the global network innovation.

"China is one of the key strategic markets for UGS PLM Software," said Hans-Kurt Lübberstedt, senior vice president, Asia Pacific, UGS PLM Software. "The PLM industry in China is currently experiencing a rapid development period. By coming together at an event like ours, we're able to share best practices and help address our customers' needs in a collaborative environment."

Hongdu Group was the first Chinese UGS NX™ software customer 20 years ago and the company still maintains a solid partnership with UGS PLM Software. Hongdu Group attended "UGS Connection Greater China 2007" and presented about their use of UGS PLM Software's solutions. "Our engineers design and numerical control manufacturing capabilities have improved greatly with the aid of UGS NX and UGS Teamcenter™ software," said Huang, Jun Yong, vice president of Hongdu Group. "The value brought by the software is far beyond what we initially expected. The software has helped us increase design capacity by 30 percent, reduce manufacturing time by 30 percent. We use UGS Teamcenter for 75 percent of our product data management functions. "

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Financial News

Autoweb Announces New Majority Shareholder

18 June 2007

[Autoweb](#) announced that Kinderhook Industries ("Kinderhook"), a New York based private equity firm, in partnership with Autoweb's existing management team has acquired the business from NTT America, Inc. ("NTTA"). Following years of rapid growth under the ownership of NTTA, Autoweb is partnering with Kinderhook to provide the company with the access to the capital it needs to execute its plan of growth and continued expansion internationally.

Nino A. DiCosmo will remain President and CEO of Autoweb and the executive management team will remain intact.

"The recapitalization of the business is consistent with our strategic direction to develop innovative software as a service solution," said DiCosmo. "Autoweb has an excellent reputation and proven track record for delivering solutions that work. This partnership is intended to drive rapid growth and globalization in support of our customers' changing business environments while maintaining our standard of best in class service."

"Kinderhook has a long history of partnering with management to facilitate aggressive growth," said Robert Michalik, Managing Director of Kinderhook. "With a corporate culture focused on integrity,

customer service and execution, we are excited to partner with the senior management team in support of Autoweb's growth initiatives."

Kinderhook Industries is a New York based private equity fund with \$470 million of committed capital and an investment philosophy based on combining senior management and operating experience in a variety of industries with the financial and investment know-how of private equity companies and growth financings of entrepreneurial owned businesses. For additional information, visit <http://www.kinderhook.com/>.

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SpaceClaim Secures \$13.5 Million in Series B Funding

18 June 2007

SpaceClaim Corp. announced that it has completed \$13.5 million in Series B funding. This financing round is led by existing investors, North Bridge Venture Partners and Kodiak Venture Partners, which co-led Series A funding of \$7.5M. Also participating in the financing round are returning investor Borealis Ventures and Needham Capital Partners.

"We are very pleased that Kodiak and North Bridge have again chosen to lead our financing. We are also pleased that Needham Capital Partners and Borealis Ventures have joined in this round. Their investment is recognition that SpaceClaim has made significant progress in executing on our vision to deliver useable 3D to extended product development teams," said Mike Payne, Chief Executive Officer, SpaceClaim Corp. "This significant investment also recognizes that our business strategy, including multiple routes to market appropriate to differently sized manufacturers, promises to provide a significant competitive advantage and a unique value proposition to manufacturing organizations."

"SpaceClaim has shown tremendous progress over the last year, delivering the first advancement in mechanical design technology in 20 years," stated Rich D'Amore, Partner, North Bridge Venture Partners. "We believe SpaceClaim has the right business strategy, technology leadership, and management experience to capitalize on the expanding use of 3D in the product development process and around the globe."

"At Kodiak we invest in companies that bring disruptive products to market with a management team who are world experts in their company's technology and markets. SpaceClaim clearly passes both tests," said Lou Volpe, Managing General Partner, Kodiak Venture Partners. "The PLM market is ripe for innovation in automated mechanical design, and we believe SpaceClaim is well positioned to establish itself as the market leader."

[SpaceClaim](#) has established itself as a technology leader in mechanical design automation by addressing the 3D needs of the extended product development team, which is underserved by traditional CAD tools. The modern, powerful, and open software is used by manufacturers across a variety of industries to

expand and accelerate the design contributions of those in concept design and downstream processes such as analysis and manufacturing.

SpaceClaim will use the new round of financing to add to the development organization and expand marketing and sales activities around the world.

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Implementation Investments

AgustaWestland Re-Engineers Design to Manufacturing Processes in 3D with IBM and Dassault Systèmes

20 June 2007

IBM and Dassault Systèmes ([DS](#)) announced a significant customer win in the aerospace industry. AgustaWestland, a Finmeccanica company, will be working with IBM and DS to re-engineer its design to manufacturing processes in 3D, a project that will touch its industrial sites in Italy, the UK and US.

With its digital manufacturing project, AgustaWestland will generate a set of 3D master data that will serve as the basis for improved collaboration internally and externally. Business transformation projects of this size require more than just PLM software. Dassault Systèmes and IBM also offer their solid industry expertise to help carve out a visionary roadmap with customized solutions to meet customers' unique configuration needs. Total packages like these are what help customers to most fully benefit from 3D PLM.

“3D PLM helps companies to design not only their product but also virtually simulate the processes and resources used to build them. This allows companies to identify and resolve issues in a virtual environment long before any physical resources have been committed resulting in reduced costs and risks, increased product innovation, quality and faster time to market,” said Bruno Latchague, executive vice president, PLM Business Transformation, Dassault Systèmes.

“IBM is pleased to work with Dassault Systèmes in putting our expertise and many years of experience in the aerospace industry to work on behalf of our customers,” said Al Bunshaft, vice president, [IBM PLM Solutions](#).

DS and IBM solutions are SOA based, easily linking with non-PLM enterprise IT systems, therefore making it easy for companies to benefit from a full range of 3D PLM solutions. AgustaWestland will use CATIA for virtual product development; ENOVIA VPLM for 3D collaborative virtual product lifecycle management of highly complex product, resource and manufacturing processes.

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Airbus Strengthens Its Strategic Partnership With PTC With Deployment Of Windchill®

18 June 2007

[PTC](#) announced it has strengthened its strategic partnership with Airbus. Windchill has been successfully deployed for content and process management as a key enabler for Airbus to manage product development data and processes within the complexity of its extended enterprise environment. Additionally, Airbus is likely to use the PTC solution for new aircraft programs in the context of a multi-year partnership in which Airbus and the PTC R&D organization are working closely together on the implementation of the strategic enterprise PLM roadmap.

Airbus' product development strategy is to increasingly utilize out-of-the-box Windchill solutions. This makes it easier to integrate and deliver new capabilities in the future and maintain new software versions. The overall Windchill implementation program is managed by PTC to ensure processes alignment and to optimize operating performance for the maintenance and support of the PLM environment.

“Global manufacturing companies are trying to balance the pressure to be more efficient and cost-effective with customer demand for increased innovation, more product variants and shorter time-to-market,” said Richard Harrison, president and CEO of PTC. “Companies are changing the way they develop products as a result, but they must invest in new technologies to support this change. In a typical aerospace development program for example, the OEM brings together millions of components made by thousands of suppliers around the world, with varying configurations depending on its airline customers. PTC Windchill has proven to be a successful and reliable solution for managing these highly engineered and enormously complex products.”

In order to achieve the specific needs of its customers, PTC is driving joint initiatives with its customers that will benefit not only one customer, but the entire customer base. This enables PTC to further strengthen its products to support multiple companies who share similar requirements.

“Like Airbus, companies of all sizes in all industries are increasingly adopting out-of-the-box PLM solutions from PTC to optimize total cost of ownership, upgradeability, and overall project success,” said James Heppelmann, executive vice president and chief product officer of PTC. “This type of partnership confirms the strength and maturity of the PTC Product Development System. Our customers gain competitive advantage when they can easily capture and integrate mechanical, electrical and embedded software information around a common bill of material, automate common processes, and enable collaboration between different departments and globally distributed teams.”

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Catalog Data Solutions Customer Quality Transmission Components on Track for 10,000 3D CAD model Downloads in the First Year

19 June 2007

Catalog Data Solutions ([CDS](#)), a leading provider of online product selection tools for industrial suppliers and distributors, announced that Quality Transmission Components (QTC) is achieving rapidly growing 3D CAD model downloads.

[QTC](#) is a Garden City Park, New York, based operating division of Designatronics Incorporated, a company that began in 1960 as a manufacturer of small mechanical products. QTC is the leading supplier of power transmission components designed for use in industrial automation applications. Their product range includes the largest selection of off-the-shelf metric gears in the USA in addition to a large selection of timing belts, timing belt pulleys, tensioning devices and gearheads.

Responding to customer requests for CAD models of its products, the company decided to offer 3D CAD models of parts for download. "CAD model downloads from <http://www.qtcgears.com/> have been climbing steadily from 500 to 600 to 700 to 800/month recently so QTC seems to already be tracking to a ~10,000 downloads/year run rate in the first year," said Brian Dengel, Product Manager for QTC. "We believe this will boost our online and offline sales as our products get 'locked' into new designs."

"We are delighted to have QTC as a customer and to see their rapid success with CAD downloads to their customers", said John Major, CEO Catalog Data Solutions. "Online 3D models are an important sales and marketing tool for all industrial suppliers and distributors. With many customers moving from 2D to 3D CAD systems providing online 3D CAD model downloads often 'locks' products into a design so suppliers later benefit from the sales success of that design. Suppliers without 3D models on their website are at risk of losing customers to their competition who do offer 3D models".

Catalog Data Solutions helps industrial suppliers and distributors grow sales and strengthen customer loyalty through interactive online catalogs, ecommerce, 3D CAD model delivery and product configurator solutions.

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Church & Dwight Chooses Accolade® to Enhance Product Innovation and Portfolio Management

18 June 2007

[Sopheon](#) announced that [Church & Dwight Co., Inc.](#), manufacturer of ARM & HAMMER® consumer, specialty and other products, has selected the Accolade product life cycle management (PLM) system to enhance the company's product innovation processes and strengthen its ability to meet rigorous product delivery requirements. Church & Dwight is deploying Accolade to users across brands and functions at its headquarters in Princeton, NJ, and at operating locations in Europe and Asia.

Founded in 1846, Church & Dwight manufactures a broad range of deodorizing and household cleaners and laundry and personal care products. It is perhaps best known as the producer of ARM & HAMMER® baking soda. Other Church & Dwight consumer lines include Brillo® cleaning pads, OxiClean® pre-wash laundry additive, Xtra® laundry detergent, Arrid® antiperspirants, CLOSE-UP®

toothpastes and Trojan® condoms. Church & Dwight's adoption of Accolade will enable the company to automate its global implementation of Stage-Gate® product-development process methodology. The Sopheon system's capacity to strengthen process governance is expected to reduce development cycle times and help ensure that new products meet the stringent scheduling and delivery requirements of large retail customers.

Church & Dwight's choice of Accolade was based on such advantages as the solution's ease-of-use, simple configurability and strong alignment with Stage-Gate®. Another important consideration was Sopheon's ability to host the deployment, an arrangement that will minimize support demands on Church & Dwight's internal IT resources, allowing them to remain focused on other strategic priorities.

"We compared Sopheon's system to five other PLM solutions," said Paul Siracusa, executive vice president of global research and development at Church & Dwight. "Based on our requirements, we judged Accolade to be the strongest both technically and functionally—excellent data integrity in a user-friendly environment. The fact that they could also provide a secure web-based hosting option was key to helping us surmount one of our principal implementation challenges and positions us to accelerate time-to-value."

"Many of our clients and prospects are large, dynamic, global companies that are looking for ways to reduce pressure on internal IT resources," said Paul Heller, chief technology officer at Sopheon. "In response to their needs, we have developed a hosting environment that blends state-of-the-art security and protection of data with technology that allows the end-user to seamlessly and cost-effectively shift IT support responsibilities for Accolade implementation and maintenance to us. More than a third of new Sopheon clients during the past 12 months have opted for the hosted model because it significantly reduces the resources and time required to get to production status. This is an important trend, one that we are well-prepared to meet."

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Delcam Software Used to Produced Automotive Master Models From Polystyrene

21 June 2007

Premier Patterns used Delcam's PowerMILL CAM system to produce an automotive master model from polystyrene foam instead of using the more usual clay. Andrew Timmins, one of the Birmingham-based company's owners, believes that machining from PS offers many benefits over the traditional approach.

"The first advantage is that PS foam is a cheaper material," he claimed. "It is also easier and quicker to machine, more stable over time, and less prone to damage. It is easy to divide the model into separate sections, and chop and change various elements. Finally, PS can be treated with many different surface finishes to duplicate the appearance of metal bodywork and so can provide a more realistic model for manufacturers and potential customers."

Mr. Timmins was able to demonstrate his alternative process on a recent project undertaken for Xtreme Automobiles, the developer of the X1 Concept low-cost, high-performance sports car. Xtreme was working to a tight budget and short delivery time, and so was the ideal client to persuade that PS was more cost-effective. The model of the complete car was cut on Premier Patterns 5m by 2½ m CNC machine. As with all the company's machining, the programming was completed with PowerMILL.

Once the model had been viewed by the investors and the design had been approved, the same data was used within Delcam's PowerSHAPE CAD software to produce master models and tooling for composite lay-up tools for the body panels. The software was also used to make the tooling for the dashboard and door linings.

Premier Patterns developed its skills in PS machining by producing sacrificial models for the casting of press tools, and by making patterns for welding jigs to be cast in iron or aluminium. For smaller parts, it also undertakes finish machining of the castings on a Cincinnati Sabre machine.

Like many other UK sub-contractors, Premier Patterns is now looking for other opportunities as lots of toolmaking work is going out of the country, both to countries with lower labour costs and to larger competitors in Germany. In addition to its automotive modelling work, it has machined a number of boat hull models and expects more work of this type in future. More unusual projects include manufacturing master models for furniture and props for theatre productions.

The company has used Delcam software since 1998. Mr. Timmins was the first employee to go on the training course and still does most of the programming. His fellow Director, Richard Irwin, also helps out but he is mainly responsible for supervising the shop floor.

"We had used manual methods for the first two years before moving to CNC machining," remembered Mr. Timmins. "After looking around, we felt that the Delcam programs were the best software on the market at the time. A lot of our customers, plus many more companies that we wanted as customers, were using Delcam software. They all recommended the company, especially the quality of the support that was provided."

"We used to do most of our modelling from drawings using PowerSHAPE but that is becoming less common," he added. "We still need the software to add offsets to provide excess material on the castings and to split models into sections to minimise undercuts during machining. PowerMILL gives very accurate results, even on the large-scale models that we produce. In addition, it is very fast and easy to use."

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Embraer Eliminates Design and Assembly Errors with Dassault Systèmes PLM Solution

20 June 2007

[Dassault Systèmes](#) announced that its CATIA virtual authoring, ENOVIA collaboration, and DELMIA digital manufacturing solutions have helped Brazilian aerospace company Embraer begin assembling the Phenom 100, its newest executive jet, with zero cost and time-consuming design or manufacturing errors.

“The fuselage components we designed in CATIA fit together exactly as designed and exactly as simulated,” said Humberto Pereira, director of development engineering, Embraer. “That accuracy helped us maintain a testing and production schedule that keeps us on track to meet our goal of getting the Phenom 100 into the air mid 2007 and into full service in 2008.”

“Our PLM solutions’ ultimate function is to make our customers more profitable through innovative product development, and that’s the exact role they’re fulfilling at Embraer,” said Marcelo Lemos, general manager Latin America, Dassault Systèmes. “The Phenom program is as much about corporate strategy as it is about aircraft design because Embraer is investing in a new market. The company’s first foray into the executive jets demanded a combination of performance and cost-effective production that can only come from advanced 3D modeling done in a collaborative framework. Our solutions helped Embraer align its design and manufacturing processes with its business goals to produce the best aircraft design for the task at hand.”

The Phenom 100 and the companion Phenom 300 aircraft are Embraer’s first entries into the growing light and very light executive jet markets. Embraer invested in innovations such as employing composite material in primary structures to develop a larger yet lighter plane that can carry passengers comfortably and at higher speeds than competing aircraft, with improved fuel efficiency. Embraer is counting on these qualities to help the Phenoms to improve their strategic position in the market.

Embraer, the world’s third largest manufacturer of commercial aircraft, used CATIA to model fuselage sections of its Phenom 100 executive jet. CATIA models and DELMIA manufacturing simulations helped the company produce the sections exactly to specification, which eliminated expensive re-work. ENOVIA enabled Embraer engineers to collaborate throughout the design process, which eliminated the late-stage errors that can arise from conflicts between engineering teams. Embraer recently started Phenom 100 prototype construction in anticipation of first flight, to take place in mid 2007.

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Fischer Automotive Systems Integrates UGS PLM Software’s Teamcenter for Comprehensive CAD Data Maintenance

19 June 2007

UGS PLM Software, a division of Siemens Automation and Drives ([A&D](#)), announced that Fischer Automotive Systems GmbH, a global automotive supplier that produces kinematics components, will use UGS Teamcenter™ software, UGS PLM Software’s digital lifecycle management solution, for the development and production of multifunctional car interior pieces such as ashtrays and air vents, and for the kinematics of individual components.

UGS PLM Software made the announcement in conjunction with its annual industry analyst event, at which key company executives plan to share the company's go-forward vision for the PLM and production automation markets.

The Fischer Group has used UGS NX™ software, UGS PLM Software's digital product development solution, for more than 20 years in its construction and manufacturing processes and will now use UGS Teamcenter as its product data management solution to manage the company's large data repository, enhance collaboration and leverage product knowledge expertise that exists within its worldwide network of offices. The Fischer Group selected UGS Teamcenter for its collaboration capability, proven scalability and open platform which enables the company to manage product data from multiple computer-aided design (CAD) systems.

“[Fischer](#) and UGS PLM Software have been collaborating for many years and we are delighted that we have succeeded in expanding our partnership with a view to optimizing our global capacities,” said Rolf Hauger, CAx team leader of Fischer Automotive Systems. “With UGS Teamcenter we can now coordinate several CAD systems into one and use it globally.”

“Thanks to the open system architecture, leading customers, like Fischer, can use UGS Teamcenter as their PLM backbone to manage product data from multiple vendors with great ease,” said Paul Vogel, UGS PLM Software senior vice president and managing director, Europe, Middle East and Africa. “UGS Teamcenter will enable Fischer to optimize available operating resources and, as a result, improve the quality of its products.”

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Hidral Selects UGS PLM Software's Teamcenter for its Product Lifecycle Management Initiative

19 June 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)), announced that Hidral, S.A., a Spanish company specializing in elevator design and manufacturing, selected UGS PLM Software's UGS Teamcenter™ solution in order to transform their process of innovation through knowledge sharing and optimizing the product development process.

UGS PLM Software made the announcement in conjunction with its annual industry analyst event, at which key company executives plan to share the company's go-forward vision for the PLM and production automation markets.

Hidral selected UGS Teamcenter because of its extensive ability to manage complex data and collaborate between diverse product development teams. UGS Teamcenter will be deployed by Hidral to reduce design times and improve information exchange during project development. The UGS Teamcenter implementation allows the company to increase its design and engineering capabilities, using the integration with suppliers and customers.

“Although we evaluated other commercial solutions during the project viability phase, we finally opted for UGS Teamcenter. It will allow us to conveniently represent our product thanks to its configurator and will facilitate the global management of the overall lifecycle. Besides these technical criteria, we know we can count on a technology partner like UGS PLM Software to develop mid-term projects,” said Francisco F. Coronado, manager of the Information Systems Department, Hidral, S.A. “We hope that this collaboration project with UGS PLM Software, through ADS (Arion Data System), will provide us with a solid base for our information systems to enable us to tackle the challenges associated with our growth.”

“It is a pleasure for us to offer our services to a world-class company like Hidral, which has registered a successful expansion and consolidation process in the Spanish market,” said Paul Vogel, UGS PLM Software senior vice president and managing director, Europe, Middle East and Africa. “With UGS Teamcenter, Hidral will experience a transformation of its innovation process, becoming one of thousands of companies that are already experiencing the benefits of this tool.”

About Hidral

The Firm, founded in 1975 and specialized on the production and supply of complete elevator platforms, has become a strategic supplier of fully equipped elevators, expanding the product portfolio of numerous elevator provider enterprises, both nationwide and outside Spain. During this evolution, the firm has increased its portfolio, offering a wide range of products. Currently, in order to provide suitable delivery deadlines, the company has a 20,000m² office, divided into two production centers and 2,000m² offices with a great investment in high-tech.

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Hopewell Designs Prepares for Growth with Autodesk Inventor Software; Ability to Fully Leverage Data Influences Company's Decision to Purchase Inventor

19 June 2007

[Autodesk, Inc.](#) announced that Hopewell Designs -- a leading provider of systems and solutions for irradiation applications, X-Ray inspection, positioning equipment and radiation shielding -- has selected Autodesk Inventor as the primary software for its engineering needs. Upon evaluating competing 3D CAD software products, Hopewell decided on Inventor as its application of choice. Using Autodesk Inventor software -- the foundation for Digital Prototyping -- Hopewell intends to realize efficiencies in its design to manufacturing process, positioning it for future growth and expansion.

Since 1994, [Hopewell Designs](#) has provided irradiators and control systems for industrial automation and laboratory environments. While its standard systems meet the vast majority of customers' technical specifications without any modifications, Hopewell Designs also offers customized systems. By standardizing on Inventor, the company can help ensure that data for both types of projects can quickly and easily be repurposed by using Inventor to keep standard parts and assemblies readily available and easily reusable, helping to reduce overall design costs.

Additionally, Hopewell Designs was impressed by the ability of Inventor software to add sophisticated Digital Prototyping capabilities like simulation and finite element analysis without their having to compromise existing investments in 2D processes.

"One of the primary reasons we chose Inventor over the competition is because it includes AutoCAD Mechanical software for 2D drawing and detailing as well as DWG TrueConnect for direct reading and writing of DWG files -- delivering the enhanced productivity of 3D while preserving access to existing AutoCAD expertise and designs," said Dave Schettler, project manager at Hopewell Designs. "It's very important for us to be able to leverage our data in both 2D and 3D environments, and Inventor provides a best-in-class solution for both scenarios."

By designing products in 3D with Inventor, Hopewell Designs expects to grow its overall business much faster than its previous software package would have allowed. With their new ability to optimize and improve designs before a physical prototype is actually built, Hopewell Designs will be able to spend more time designing and innovating, and less time making costly changes on the production floor.

"Innovative companies like Hopewell Designs are recognizing the benefits of leveraging their data in a model-based environment," said Robert "Buzz" Kross, vice president of Autodesk Manufacturing Solutions. "It allows them to easily create digital prototypes-helping them save time, money and other valuable resources."

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IFS Applications Enhance Wellstream's Supply Management and Manufacturing Capabilities

20 June 2007

[IFS](#) announced a significant deal with Wellstream International Limited, one of the world's leading suppliers of flexible pipelines to the oil and gas industry. Wellstream has chosen IFS Applications to help manage its entire project lifecycle. IFS Applications will enable Wellstream to ensure that products are manufactured to the highest standards of quality, health and safety.

[Wellstream](#) manufactures flexible pipelines for offshore and onshore oil and gas production. Working on a project by project basis, Wellstream engineers bespoke pipeline solutions tailored to address specific constraints of each application and project such as pressure, water depth, temperature and fluid characteristics.

Because of this, it was essential for the company to choose a software system that could manage the critical path of all project activities in order to deliver products to its customers within a specified critical timeline and support oil field operations, often offshore. IFS Applications will replace a number of legacy systems from multiple vendors.

Wellstream, which currently has operations in the United Kingdom, United States, Canada and Australia, is in the process of expanding its South American operations by building a state-of-the-art manufacturing facility in Brazil.

“Being an international company, we needed to make sure our final choice would not only meet our current needs, but would also be able to cope with our future expansion plans,” said Chris Braithwaite, Chief Operating Officer for Wellstream. “IFS’ experience, expertise and reputation in the manufacturing and oil and gas industry made it the perfect choice for us.”

Wellstream brought in expertise from a consulting group from The University of Teesside, Teesside Manufacturing Centre (TMC), School of Science and Technology, to help advise the company on its business systems. TMC invited 12 vendors to tender for the contract, with IFS being chosen at the end of the process.

Wellstream and TMC discovered that, unlike its competitors which offered a mixture of third party products, IFS was the only vendor able to deliver all key modules Wellstream required from a single solution. IFS Applications’ compatibility with Primavera P3 and P5 software, was also a crucial factor in Wellstream’s final decision.

“After rigorous evaluation, we found the IFS solution to be best suited for Wellstream, as it is very much orientated towards dealing with customers who deliver ETO (Engineer to Order) contracts on a project managed basis,” said Dr. Ahmed Abbas, Head of TMC. “It was also critical for us to find a system that was able to match Wellstream’s demanding supply chain requirements, and one that could handle the manufacturing, planning and scheduling requirements – IFS was able to deliver this and more.”

IFS will also provide Customer Relationship Management (CRM), Product Data Management (PDM) and Design, and Document Management, as well as Quality, Plant Maintenance, HR and Payroll functionality to 240 users in the UK, USA, Canada, and Australia during the first phase of the implementation. A planned second phase will include the new plant being constructed in Brazil. Collaboration portals will permit interaction with key customers, subcontractors and suppliers.

The project is expected to go live in October/November 2007, to be followed by the second phase in 2008.

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Intermatic Deploys Agile 9.2 for Global New Product Development

21 June 2007

[Agile Software Corporation](#) announced that Intermatic has deployed Agile 9.2 PLM. Taking advantage of Agile Product Collaboration, part of the Agile 9.2 solution suite, Intermatic is able to enhance visibility, management and collaboration of new and changing product record information across

multiple engineering and manufacturing locations. Intermatic chose Agile based on its proven customer track record, industry expertise, and ability to reduce time to market for new products.

"Prior to Agile, we managed our product record and changes manually in a paper-based system that was error prone and very slow," said Tim Duitsman, VP of Research and Development, Intermatic. "With Agile, product information and changes are visible worldwide and we have decreased our Engineering change time from three weeks to less than one; enabling us to reduce our overall costs and time to market for new, high quality products."

Intermatic, based in Spring Grove, IL, is a highly integrated manufacturer of consumer and industrial energy control products. Established in 1891, its major product lines are consumer timers, Malibu® outdoor lighting, industrial grade timers, photo controls and a variety of other products. Intermatic products are widely distributed and can be found at most home center and hardware retailers and through electrical distribution.

Intermatic's implementation of Agile Product Collaboration is the largest product development system initiative undertaken in Intermatic's 100-plus year history. The Agile Product Collaboration implementation is the first of a four-phase process running through 2008.

"Manufacturers like Intermatic face competitive markets around the globe that require accelerated innovation cycles, reduced costs and improved quality," said Jay Fulcher, Agile president and CEO. "Agile 9.2 enables companies such as Intermatic to improve greatly product profitability, gain greater product insight and control, and accelerate innovation and get products to market faster."

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LS Cable to Reap Benefits of PLM Foundation with UGS PLM Software's Portfolio of Digital Lifecycle Management Solutions

19 June 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)), announced that the Machinery Division of LS Cable, one of the largest cable manufacturers in South Korea, has standardized its Product Data Management (PDM) with UGS PLM Software's UGS Teamcenter™ portfolio.

UGS PLM Software made the announcement in conjunction with its annual industry analyst event, at which key company executives plan to share the company's go-forward vision for the PLM and production automation markets.

The Machinery Division of LS Cable manufactures tractors, air-conditioners, refrigerators and injection molding machines. LS Cable uses UGS NXTM, UGS PLM Software's digital product development software, and has done so for more than five years. Now with the UGS Teamcenter purchase, the company is able to employ a comprehensive PLM system to achieve its goals - to improve operational transparency and enhance business competitiveness.

LS Cable planned to overhaul its existing Bill of Material (BOM) management system into a new Enterprise Resource Planning (ERP) system and a PLM platform. After a detailed assessment, UGS Teamcenter was selected based on its powerful multi-site Web support, multi-computer-aided design (CAD) capabilities and seamless integration with LS Cable's ERP.

"With our previous success using UGS PLM Software's solutions, we are confident that they understand our needs and goals and will help us achieve them," said E. H. Lee, CIO of LS Cable. "UGS Teamcenter's open platform will also provide us with industry leading data management capabilities to drive product development and enable better business decisions. The addition of UGS Teamcenter further strengthens LS Cable's PLM foundation and enables the company to reap more benefits from the standardized suite of UGS PLM Software solutions. Looking forward, we plan to integrate the current PLM platforms with overseas business divisions to supplement this implementation."

"LS Cable's selection of UGS PLM Software's digital lifecycle management solution is testimony to our ability to deliver best of breed, scalable, open solutions to meet the growing needs of our customers," said Hans-Kurt Lübberstedt, senior vice president, Asia Pacific, UGS PLM Software. "We are pleased to continue providing complete PLM solutions and to prove our mantra of never letting a customer fail."

UGS Teamcenter powers innovation and productivity by connecting people and processes with knowledge. UGS Teamcenter's comprehensive portfolio of proven digital lifecycle management solutions is built on an open PLM foundation.

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Oce Produces Award Winner with CoCreate OneSpace Modeling

19 June 2007

[CoCreate Software, Inc.](#) announced that CoCreate OneSpace Modeling was used to design the TDS700 printing system from [Oce](#) Technical Documentation Systems.

The TDS700 recently won the International Forum Product Design Gold Award. The Gold Award, often called the Design Oscar, is one of the world's oldest and most reputable awards for product design.

Judges chose the Oce TDS700 from more than 2000 entrants because of its innovative design, usability and commitment to a healthy environment-the printer emits the lowest dust, ozone, heat and sound in its class.

"We are proud that Oce used OneSpace Modeling to design this printing system," says William Gascoigne, CEO CoCreate Software GmbH. "To see our software associated with such acclaimed awards underlines how a Dynamic Modeling based approach to 3D is essential for companies that demand superior flexibility and innovation from their development process."

Oce used OneSpace Modeling throughout the design of the TDS700. The software proves especially valuable for work on designs that require frequent adjustments and short design cycles.

"CoCreate's OneSpace Modeling helped us design quickly without shying away from new or better ideas," says Arjen Wind, Product Designer for the TDS700. "OneSpace Modeling is very easy to use, and you can make changes, even late in the design process, with just a mouse click. A history based modeler could not have matched it."

By allowing several departments to design, analyze and document products from the same 3D files, OneSpace Modeling connects Oce design teams with mechanical engineering departments and keeps design and communications clear and succinct. This in turn keeps the company streamlined and competitive, especially in a fast-changing business environment.

"With OneSpace Modeling, we create reliable, compact, and easy-to-use printers," says Wind. "OneSpace Modeling helps us realize all our design ideas, which in turn helps us produce award-winning products like the TDS700."

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Procter & Gamble (P&G) Renews Commitment to UGS PLM Software's Technology

19 June 2007

UGS PLM Software, a division of Siemens Automation and Drives ([A&D](#)), announced that Procter & Gamble (P&G) renewed its commitment to UGS PLM Software with a contract extension focused on expanding the benefits P&G experienced through the use of UGS PLM Software™ technology at the business unit level across the company. P&G has realized important value in terms of innovation, quality and cost savings from the full suite of UGS PLM Software solutions, which the company has deployed at the business unit level worldwide.

UGS PLM Software made the announcement in conjunction with its annual industry analyst event, at which key company executives plan to share the company's go-forward vision for the PLM and production automation markets.

"P&G is pleased to expand its relationship with [UGS PLM Software](#), a leader in PLM technology for the CPG industry," said Mike Telljohann, director of PLM, P&G. "We consider the use of PLM software to be an important component that will help P&G deliver the next level of value and innovation. From our experience, UGS PLM Software technology's robust collaboration capability, proven scalability and open platform reduce the complexity of integrating and consolidating existing solutions to enhance efficiency and growth."

"UGS PLM Software's selection by P&G, one of the world's leading CPG companies, strengthens our leadership position in the CPG market," said John Graham, executive vice president of Global Sales and Services, UGS PLM Software. "We are committed to maintaining our leadership in the CPG industry by

continuing to provide industry-based solutions developed using the knowledge and expertise gained from years of experience working with the world's leading CPG manufacturers, to address core industry issues and to drive innovation.”

P&G and UGS PLM Software: An Award Winning Partnership

In 2006, UGS PLM Software, working closely with P&G, delivered the industry’s first PLM software product to effectively capture and share important laboratory research knowledge for extended enterprises in the process industries. The innovative technology for this new concept was developed in cooperation with P&G, and was honored as the “Best Product Lifecycle Management System for Process R&D and Manufacturing” at the ELNS & Laboratory Informatics 2006 conference in London.

P&G helped UGS PLM Software define requirements and add new capabilities to its existing UGS Teamcenter™ collaboration solution. As a result, the new Teamcenter RKM offering enables scientists to quickly determine if a particular experiment has already been conducted by a colleague and, if so, allow them to easily view the results and conclusions. By eliminating the need to repeat experiments that have already been done to satisfaction, organizations can save a significant amount of time; enabling scientists to proceed to the next innovation (see separate release http://www.ugs.com/about_us/press/press.shtml?id=4935).

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Solarflare Communications Tapes Out 10-Gigabit Ethernet Controller Chip Using Synopsys IC Compiler

20 June 2007

[Synopsys, Inc.](#) announced that [Solarflare Communications, Inc.](#) has taped out its new 90-nanometer (nm) 10-gigabit (Gb) Ethernet controller using the Synopsys IC Compiler place-and-route solution. Earlier this year, Solarflare announced Solarstorm™, the lowest-power 10-Gb Ethernet controller chip. Aiming to continue to strengthen its leadership position, Solarflare turned to Synopsys' IC Compiler for this new chip. IC Compiler helped Solarflare significantly reduce design time and improve results by delivering smaller overall area as well as 10 to 20 percent power reduction in several critical blocks.

"Synopsys physical design tools have been a key enabler of our drive to stay ahead of the curve with high throughput and low power. Synopsys' IC Compiler has helped us take this to an even higher level on our new 90-nanometer designs," said Brad Masters, vice president of Engineering at Solarflare. "Continuing on this strategy, we have already begun deploying IC Compiler advanced low-power capabilities, like automated multi-voltage, on our next-generation 65-nanometer designs."

Solarflare designed the Solarstorm 10-Gb Ethernet controller to deliver the lowest-power, highest-performance solution and to enable the host CPU to operate as efficiently as possible. Solarstorm server adapter reference designs (10GBASE-T, 10GBASE-CX4, and XFP optical) are available now. In addition to aggressive timing optimizations enabling high clock frequencies, IC Compiler provided a

comprehensive set of low-power techniques. These advanced techniques included physical clock-gating optimizations, power-aware placement optimization, low-power clock tree synthesis, multi-threshold, MTCMOS and multi-voltage support.

"IC Compiler's optimization technology was instrumental in helping Solarflare meet its area and power design constraints and complete the Solarstorm product tapeout quickly," said Antun Domic, senior vice president and general manager of Synopsys' Implementation Group. "As Solarflare designs move to smaller silicon technologies, it can leverage more of the advanced capabilities in IC Compiler for further product differentiation."

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SPL Integrated Solutions Chooses Avatech for the Implementation of AutoCAD Electrical

19 June 2007

Avatech Solutions, Inc. announced they will provide SPL Integrated Solutions with a comprehensive implementation of AutoCAD Electrical, the electrical design software with dedicated functionality to design and document controls systems. Avatech will also supply consulting services and custom training for the engineers of this specialty firm that is regarded as the nation's leading integrator of audio, video, IP, and collaborative communications solutions.

SPL Integrated Solutions has engineered systems for many large construction projects including over 30 professional sports stadiums and arenas, the Bellagio hotel and casino in Las Vegas, and the Center for Disease Control's Global Communications Center in Atlanta. They employ more than 100 electrical engineering and design professionals in 26 offices spread across the country. The firm is conducting a complete upgrade from AutoCAD 2004 to AutoCAD Electrical and is working with Avatech consultants to define and implement company wide drawing and model standards.

The new system will include customization of AutoCAD Electrical to automate many of SPL's common tasks as well as custom training and consulting services.

"With over 160 pages in a drawing set, the complexity and detail in some of our larger projects warranted us adopting a technology solution that would automate many of the more tedious tasks such as line numbering and series assignments," said Skip Warrington, Project Manager at SPL. "I want SPL to stay ahead of the technology curve and, having worked with them before, we knew that Avatech would have an answer to our challenge.

"[Avatech](#) always strives to improve client productivity when spearheading and implementing significant technology and process change," said Bruce White, Vice President of Sales at Avatech. "Developing consistent standards throughout an organization and understanding our clients' real business needs is critical to a successful implementation. Avatech allows clients to gain a rapid return on investment,

improving their ability to provide quality engineering solutions to their customers and remain competitive.”

According to Warrington, SPL plans to use AutoCAD Electrical to improve efficiencies, such as saving weeks on tedious labeling tasks that will lead to more opportunities to design better systems. “Avatech provides consulting services that will help us define new standards and flexible training methods that will ensure that SPL stays at the forefront of our industry.”

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Synopsys Improves Sign-Off Accuracy for Advanced SoC Designs Through Collaboration With NEC Electronics

19 June 2007

Synopsys, Inc. announced that NEC Electronics Corporation has adopted Synopsys' PrimeTime® advanced on-chip variation (AOCV) analysis technology for their advanced system-on-chip (SoC) designs. This latest innovation to PrimeTime was the result of close collaboration with semiconductor partners such as NEC Electronics. The PrimeTime AOCV technology enables designers to reduce the margins they use in their design process, thereby improving the performance of their designs as well as reducing the number of iterations needed to achieve timing closure in their design cycle. AOCV is an evolutionary approach to more accurately model increasing variations at 90-nanometer (nm) and 65-nm process nodes compared to traditional on-chip variation analysis and is an intermediate step to full statistical timing analysis of variations.

"Fast and accurate modeling of on-chip variation effects in our timing analysis and sign-off solution is very important for our design flows," said Hiroshi Sakuma, general manager, Design Engineering Division, NEC Electronics Corporation. "We have worked closely with Synopsys for many years to continuously improve the on-chip variation margin in static timing analysis, and PrimeTime advanced OCV technology is the latest capability we are adopting because it more accurately models random and systematic variations across a chip. Its greater accuracy enables us and our designers to reduce excessive margins in our design flow, which improves design performance and reduces the number of iterations needed to reach design closure."

For years, integrated circuit (IC) designers have been using a single set of global derate values to add design margin to account for on-chip variations. While this traditional approach provides reasonable accuracy for 130- and 90-nm designs, it may add excessive and unnecessary design margin that can result in overdesign, reduced design performance, and longer design cycles. PrimeTime AOCV technology more accurately models the random and systematic variations across an IC by using location and logic-depth information to determine path-specific and cell-specific derate values that reduce excessive design margins and greatly improve the accuracy for sign-off analysis. An evolutionary approach to model on-chip variations, AOCV provides an intermediate step towards full statistical analysis of random and systematic variations in the PrimeTime VX solution, which is needed for the wide variations in device and interconnect observed at sub-65-nm technology nodes.

"PrimeTime AOCV capability once again demonstrates Synopsys' innovation and leadership in improving designer productivity with our gold standard sign-off solution," said Ahsan Bootehsaz, vice president of Research and Development, [Synopsys](#) Implementation Group. "For customers who are not ready to deploy our full statistical timing analysis solution, the PrimeTime AOCV feature provides an intermediate step and effective alternative for accurate modeling of on-chip variations. Our close collaboration with NEC Electronics is helping them adopt this technology to improve their design margins and designer productivity, and we look forward to further collaborations to improve designer productivity at advanced process nodes."

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Tensilica Enhances Reference Flow With Cadence Encounter RTL Compiler

19 June 2007

[Cadence Design Systems, Inc.](#) and Tensilica, Inc. announced that Tensilica incorporated Cadence® Encounter® RTL Compiler with global synthesis in its CAD flow which supports both Diamond® and Xtensa® cores. Encounter RTL Compiler with global synthesis enables Tensilica customers to achieve smaller, faster and lower-power implementations for microprocessor designs using Tensilica IP.

[Tensilica](#), a member of the Cadence OpenChoice IP program, used a top-down methodology featuring its market-leading processor IP in conjunction with Encounter RTL Compiler, which performs multi-objective synthesis to create designs optimized for timing, area, and power.

Tensilica is a leading IP supplier in mobile multimedia (audio and video) and offers the broadest line of processor cores in the market today in both an off-the-shelf format via the Diamond Standard Series cores and with full designer configurability with the Xtensa processor family. All Tensilica processor cores are complete with a matching software development tool environment.

"We are excited to enable our customers with synthesis solutions from Cadence," said Chris Rowen, president and CEO at Tensilica. "What impressed us most about Encounter RTL Compiler is that it was easy to set up and use. Tensilica customers using the Encounter technology now have access to an optimal synthesis solution that provides excellent power-versus-area tradeoffs for SoC (system-on-chip) design."

With the RTL Compiler multi-objective optimization, customers can achieve significant advantages in area, speed and performance. In tests, Tensilica achieved a 10 percent increase in speed and a reduction of cell area of 5 percent. The RTL Compiler global synthesis solution improves performance, reduces die sizes, lowers power consumption, and speeds up design closure through place and route.

"Encounter RTL Compiler plays a significant role in enabling our IP partners to improve their quality of silicon in a very competitive market," said Jan Willis, senior vice president, Industry Alliances at Cadence. "We are delighted to collaborate with Tensilica to jointly enable our customers for better quality, performance, and power consumption in their designs."

RTL Compiler with global synthesis is available in XL and GXL offerings to meet customers' design and cost objectives. This key technology is part of the Cadence Encounter digital IC design platform and a component of the Cadence Logic Design Team Solution.

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Teradyne, a Leading Supplier of Automatic Test Equipment, Implements UGS PLM SOFTWARE's Teamcenter Solution to Enhance Global Collaboration and Efficiency

19 June 2007

UGS PLM Software, a division of Siemens Automation and Drives ([A&D](#)), announced that [Teradyne](#), a leading supplier of automatic test equipment used to test complex electronics for the consumer electronics, automotive, computing, telecommunications, and aerospace and defense industries, has implemented UGS PLM Software's UGS Teamcenter™ product data management (PDM) solution as its PLM platform.

UGS PLM Software made the announcement in conjunction with its annual industry analyst event, at which key company executives plan to share the company's go-forward vision for the PLM and production automation markets.

UGS PLM Software product offerings for the high-tech and electronics (HTE) industry are developed using the knowledge and expertise gained from years of experience working with the world's leading HTE manufacturers to address core business processes, including environmental compliance management, program planning and control, manufacturing process management, digital simulation, component and vendor management, platform development and systems configuration, and software product management.

Teradyne, which selected UGS Teamcenter last year following an extensive head-to-head evaluation of competing products, implemented the solution as its global collaboration platform. The implementation of UGS Teamcenter enhanced knowledge sharing to enable distributed engineering practices, drive part and assembly re-use and increase outsourced manufacturing through the establishment of part and bill of material systems for engineering and engineering change.

“The UGS Teamcenter solution portfolio provides us with depth in many process areas such as Systems Engineering and enables us to deploy common engineering and operations processes which support our business strategy,” said William Duggan, engineering manager and lead of the PLM Initiative. “These capabilities along with UGS PLM Software's resources enabled us to shorten the time to value.

“Teamcenter is the best solution for Teradyne as we continue to forge our global presence. UGS PLM Software's expertise in the HTE industry and the company's commitment to the success of its customers provided a winning combination,” added Duggan.

“Teradyne’s decision to implement UGS Teamcenter as its product data management solution is a testament to UGS PLM Software’s best-in-class technology and reinforces the company’s leadership and commitment to the HTE industry,” said Dave Shook, senior vice president and managing director, Americas, UGS PLM Software. “Our high-tech solutions help our customers quickly and efficiently drive product development and manage outsourcing by enabling global collaboration and knowledge re-use.”

[UGS PLM Software](#) is a leading provider of software and services to the HTE industry. The company’s technology is widely used by leading global HTE companies including the top semiconductor and mobile phone manufacturers, four of the top five consumer electronics OEMs, three of the top five semiconductor equipment manufacturers, and eight of the top 10 contract manufacturers. UGS PLM Software solutions enable companies to develop innovative products that capture the imagination of consumers.

According to leading PLM industry analyst firm [CIMdata, Inc.](#) UGS PLM Software is collaborative Product Definition management (cPDM) software **revenue leader** to the High Tech and Electronics industry. CIMdata also recognized UGS PLM Software as a PLM leader and as the vendor with the top market presence in the cPDM market segment.

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3D Electromagnetic Simulation Helps Improve Range of Automotive Bluetooth Antenna

June 2007

Johnson Controls Inc. recently improved the range of a version of its BlueConnect hands-free system by simulating the antenna with Flomerics' 3D electromagnetic simulation software. Based on the simulation results, JCI engineers modified the initial design. "We estimate that simulation saved us about two to three months of development time compared to the time that would have been required to build and test physical prototypes," said Scott Mee, EMC Engineering Manager for Johnson Controls Inc., Holland, Michigan.

BlueConnect by Johnson Controls Inc. is the leading Bluetooth hands-free system and is available as a factory installed standard or optional feature in many vehicles. BlueConnect uses a planar inverted-F antenna which is fixed on a printed circuit board (PCB) and has rectangular shaped radiation and grounding elements. JCI engineers recently designed custom versions of BlueConnect to be installed by a major automobile manufacturer. The traditional approach to designing the antenna would have used a trial-and-error process consisting of building a series of prototypes and testing their performance while iterating to an optimized design.

"With proper correlation between simulation and physical test results, computer simulation can evaluate new design concepts in much less time and can provide very detailed diagnostic information that can be used to improve the performance," Mee said. Johnson Controls, Inc. uses Flomerics' FLO/EMC 3D electromagnetic simulation software, which shares the same technology engine as Flomerics' MicroStripes software. MicroStripes and FLO/EMC provide an advanced analysis environment for

simulating electromagnetic interactions in and around electronic equipment for the purpose of generating quick solutions to tough design problems.

The initial results from Flomerics' FLO/EMC 3D electromagnetic simulation software showed that the initial inverted-F antenna performance was influenced by several design parameters including area fills, vias and the antenna structure itself. After simulating about a dozen design options, JCI engineers found one that matched the performance expectations of the increased range.

Mee and the design team adjusted the dimensions of the antenna as well as many of the connections to vias and area fills until the phase of the voltage and current were both centered on the Bluetooth frequency band. Then he ran a cylinder scan to evaluate the radiation pattern and range of the updated design. These results showed improvements in both gain and directivity. When the simulation results indicated that he and the team had achieved an optimized design, they ordered the second prototype.

As Mee had anticipated, the physical testing results of the antenna performance metrics was closely correlated to the simulation results. "This Bluetooth antenna example is typical of the time savings that we achieve on a periodic basis by simulating designs prior to building prototypes," Mee said. "Using traditional methods we would have probably built and tested between 6 and 10 prototypes, which may have taken four months to complete. Instead we quickly identified the area fills, vias, and antenna structures that could have been optimized in the design through the use of the 3D electromagnetic engineering solution. Instead of four months, the project was completed with the final design updated in less than two months."

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UGS PLM Software Announces Series of Major Contract Wins With Customers Around the World

19 June 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)), announced multiple contract wins with key customers spanning UGS PLM Software™ product suites, major industries and global regions around the world.

UGS PLM Software made the announcements in conjunction with its annual industry analyst event, at which key company executives plan to share the company's go-forward vision for the PLM and production automation markets.

"Siemens and UGS have come together to drive both a compelling and shared vision for changing the game in the PLM and automation markets through the integration of the virtual world and the physical world. We have already started to execute on this vision, and it's now time to take our plans out to the market," said Tony Affuso, chairman and CEO of UGS PLM Software. "The combination of Siemens and UGS will strengthen our ability to enable Global Innovation Networks as well as an open architecture on which companies can accelerate their own ability to innovate."

Today's contract announcements:

General Motors Corporation to extend its current PLM software license agreements with UGS PLM Software. The agreements extend the use of UGS PLM Software's PLM technology and services and expand GM's use of UGS Tecnomatix™ software. ([See separate release](#))

Fischer Automotive Systems GmbH, a global automotive supplier that produces kinematics components, will use UGS PLM Software's UGS Teamcenter for the development and production of multifunctional car interior pieces such as ashtrays and air vents, and for the kinematics of individual components. The Fischer Group has used UGS NX for more than 20 years in its construction and manufacturing processes. ([See separate release](#))

The Machinery Division of LS Cable, one of the largest cable manufacturers in South Korea, has standardized its Product Data Management (PDM) with UGS PLM Software's UGS Teamcenter portfolio. The Machinery Division of LS Cable manufactures tractors, air-conditioners, refrigerators and injection molding machines. LS Cable also uses UGS NX, UGS PLM Software's digital product development software, and has done so for more than five years. ([See separate release](#))

Procter & Gamble (P&G) renewed its commitment to UGS PLM Software with a contract extension focused on expanding the benefits P&G experienced through the use of UGS PLM Software technology at the business unit level across the company. P&G has realized important value in terms of innovation, quality and cost savings from the full suite of UGS PLM Software solutions, which the company has deployed at the business unit level worldwide. ([See separate release](#))

Teradyne, a leading supplier of automatic test equipment used to test complex electronics for the consumer electronics, automotive, computing, telecommunications, and aerospace and defense industries, has implemented UGS PLM Software's UGS Teamcenter product data management (PDM) solution as its PLM platform. ([See separate release](#))

Hidral, S.A., a Spanish company specializing in elevator design and manufacturing, selected UGS PLM Software's UGS Teamcenter solution in order to transform their process of innovation through knowledge sharing and optimizing the product development process. ([See separate release](#))

Xiamen Overseas Chinese Electronic Co., Ltd. (XOCECO) selected UGS PLM Software's UGS Teamcenter product data management (PDM) solution as the backbone for its first PLM implementation. As one of the leading electronic producers in China, XOCECO manufactures a wide range of quality products such as audio-visual equipment and telecommunication devices, which are sold in China and exported to more than 100 countries worldwide, where its products are known as PRIMA brand. ([See separate release](#))



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UGS PLM Software Extends PLM Agreement With General Motors (GM); Helps GM Leverage PLM Technology to Enhance Design and Manufacturing

19 June 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)) announced the extension of their current PLM software license agreements with General Motors Corporation (NYSE: GM). Terms are not being released.

UGS PLM Software made the announcement in conjunction with its annual industry analyst event, at which key company executives plan to share the company's go-forward vision for the PLM and production automation markets.

UGS PLM Software technology currently enables GM product development, manufacturing and supplier teams to define, organize and conduct real-time design reviews with access to digital product information across all of GM's global engineering centers, manufacturing sites and more than 1,000 supplier locations worldwide. These agreements extend the use of UGS PLM Software's PLM technology and services and expand GM's use of UGS Tecnomatix™ software.

Digital manufacturing is a PLM strategy that focuses on improving every aspect of how a company builds its products. Many of the world's most forward-thinking manufacturers are embracing the technology – and they have reported a number of benefits such as better asset utilization, reduced launch times, more predictable processes and improved profitability. Digital manufacturing gives GM the ability to validate every process used in a plant, ultimately encompassing the entire operation, before the actual plant is even built.

“GM continues to refine its use of a single, common suite of commercial applications from UGS PLM Software for all its global vehicle and powertrain programs,” said Terry Kline, process information officer, Global Product Development, General Motors Information Systems & Services. “This allows us to better manage the IT environment, upgrade systems and collaborate in real time. With more than 30,000 installed seats, UGS PLM Software's technology is an integral component of our global vehicle development and manufacturing process.”

“However, in today's global automotive industry, it is clear that being a global company with local programs will not suffice. In order to stay competitive, companies must align programs and organizations on a global basis. UGS PLM Software understands this critical market need and their PLM technology has already delivered on GM's requirement for production tested, globally scalable systems for product development and manufacturing,” added Kline.

“GM continues to lead the automotive industry in globalizing its PLM platform, leveraging UGS PLM Software's capability for scalability and collaboration to its full extent,” said Tony Affuso, chairman and CEO of UGS PLM Software. “GM continues to transform its process of innovation through PLM, and is increasingly able to get exciting quality vehicles and powertrains to the world market in shorter periods of time. We believe the result of the Siemens UGS PLM Software's direction to link the virtual to the

physical world will inevitably further reduce product development costs and enhance product quality and innovation worldwide.”

UGS Teamcenter™ software serves as the platform upon which GM implements and maintains common engineering and manufacturing processes. GM is widely recognized for its ability to successfully execute complex global product programs and UGS PLM Software products are a critical element to making that strategy possible. UGS PLM Software provides GM advanced software interoperability and knowledge-based capabilities, giving GM access to current and accurate digital information, without translation, wherever and whenever required.

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UGS PLM Software Grants UGS NX DIGITAL PRODUCT DEVELOPMENT SOFTWARE TO New Mexico State University

22 June 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)), announced an in-kind software grant to New Mexico State University (NMSU) that includes 60 seats of its UGS NX™ digital product development software.

The software will be used primarily by students and faculty in the mechanical engineering department and will enable the university to place additional focus on graduating engineers who are trained on industry leading digital product development software.

UGS PLM Software made the in-kind grants through its Global Opportunities in Product Lifecycle Management (GO PLM™) initiative, which leads the PLM industry in the commercial value of in-kind grants it provides at more than US\$4 billion annually. The company’s GO PLM initiative brings together five complementary programs focused on academic partnership; community relations; regional productivity; youth and displaced worker development; and the Partners for the Advancement of Collaborative Engineering Education (PACE) program. The initiative provides PLM technology to more than 915,000 students annually at nearly 9,000 global institutions, where it is used at every academic level – from grade schools to graduate engineering research programs.

“We are very pleased with the grant of state-of-the-art CAD design tools from UGS PLM Software,” said Steven P. Castillo, dean, College of Engineering, NMSU. “Our students will be well prepared to officially enter the workforce through the use of these tools incorporated into our curriculum. We will use the software to build full three-dimensional models of objects and analyze the conditions the parts would experience in the real world.

“NMSU’s goal of using UGS PLM Software in its courses is to teach students how to understand modeling using finite elements. There are many software programs for modeling, but UGS PLM Software’s solutions are particularly useful in teaching because they allow students a lot of freedom in what they can do. It’s easy to get numbers, but students need to know how to determine if the numbers are right.”

“We are committed to our partnership with NMSU and its ability to develop world-class engineers and technologists for our global communities, customers and business partners,” said Dave Shirk, executive

vice president, Global Marketing, UGS PLM Software. “We are proud to be involved with NMSU’s strong academic curriculum to help enhance manufacturing in New Mexico and beyond.”

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Washington State Schools Make Technology Education Much More Than ‘Shop Class’; Schools combine SolidWorks 3D CAD software with 3D scanning and printing to enrich student learning

20 June 2007

A Washington State school district is immersing students as young as elementary school in advanced technologies that span the entire design lifecycle, including 3D scanning, 3D modeling, and 3D printing, all on a foundation of [SolidWorks® Education Edition 3D CAD software](#).

Clover Park School District of Lakewood, Wash., enrollment 12,000, is educating high school and even middle school students in the same practices on the same technologies that some of the world’s most advanced industries are using to design better products:

3D Scanning: Students use The NextEngine Desktop 3D Scanner to capture data from real-world objects.

3D Modeling: Students use 60 licenses of SolidWorks Education Edition software to enhance the data from the scanned object or to reverse-engineer a compatible part. For example, a Clover Park design technology student studying Hollywood-style animation recently scanned a small animal skull and used SolidWorks software to add other-worldly features. To reverse-engineer a part, students scan a “control object” – for instance, a telephone handset – and use the data to design a compatible object, like a handset cradle. Students also craft form-fitting objects like handgrips out of clay, scan them, and refine the designs in SolidWorks.

3D Printing: Once students settle on a design, they can turn them into 3D physical objects by printing them with a Z Corporation 3D printer. A 3D printer produces objects from CAD data much as a 2D printer produces documents from text in a word-processing file.

“Capturing, processing, and printing 3D data – it’s important to take the design process full circle,” said Clover Park School District Career and Technology Education Director Paul Warrick. “A design is just lines and arcs on a screen until you actually make something relevant. Until students hold their creation in their hands and interact with it, it doesn’t really exist to them. Once it’s printed, they gain the understanding and appreciation that, yes, they can design potentially useful products, not just pretend to on a computer screen.”

Warrick’s high school design technology students have invented custom wheels for their remote-controlled cars, fixtures for recharging their cell phones, and high-concept pencil holders now on the desks of school officials throughout the district. The curriculum has enabled one student to secure a state-funded scholarship award covering all tuition and expenses for two years of post-secondary education.

That student is one of many in the Clover Park district convinced that what was formerly known as vocational education – or previously, as shop class – is critical to high-paying careers like mechanical engineering.

Clover Park chose SolidWorks as its CAD software primarily for its superior ease of use, according to Warrick. “Drawing a line is drawing a line, drawing a curve is drawing a curve, all CAD software does it,” he said. “The difference is that SolidWorks software lets you be productive from day one. You can learn in a day what it would take a semester to learn in other CAD software packages, and I’ve used them all. The result is students create better designs.”

Warrick has helped the district’s middle school, which also has 30 licenses of SolidWorks, replicate the three-stage scan, model, and print curriculum. In addition, elementary school students are learning basic design by using Cosmic Blobs, the most powerful 3D graphics software available for kids. Cosmic Blobs gives children ages seven to 14 endless options for sculpting, decorating, and animating 3D computer models. Warrick prints out young students’ designs so they can experience the joy of their creations.

Clover Park High School students are taking advantage of the curriculum included with SolidWorks Education Edition software. One section focuses on the design of balsa wood bridges. Students see how the bridges will hold up under heavy weight using COSMOSXpress™ design analysis software, embedded in SolidWorks. Next year, students will create air-powered cars and race them after refining designs in virtual wind tunnels created with COSMOSFloWorks™ design analysis software, also part of SolidWorks Student Edition.

“It’s inspiring that public school students as young as elementary school are learning about computer-aided design and doing so in a larger context that encompasses new aspects of design-to-manufacture,” said SolidWorks Director of Education Marie Planchard. “Education like this leads to a population with greater interest and competence in science, technology, engineering, and math principles and a workforce capable of designing better products.”

[Clover Park School District](#) uses authorized SolidWorks reseller [Northwest Technical Products](#) for ongoing software training, implementation, and support.

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WMH Tool Receives 2007 Progressive Manufacturing Award from Leading Publication

19 June 2007

WMH Tool was selected as a winner of the 2007 Progressive Manufacturing 50 Awards Program, selected by the publication [Managing Automation](#). The awards program recognizes manufacturers that are being progressive in their businesses, in the management of their operations and in their use of advanced technologies. In the case of WMH Tool, the company was recognized for its use of [FullTilt Solutions](#)’ Product Information Management (PIM) software to automate, cleanse and synchronize their product data to enable efficiencies internally and across their supply chain.

The Progressive Manufacturing 50 Awards Program recognizes 50 companies that have achieved distinction in at least one of the eight core disciplines defined by Managing Automation as critical to business success in the years ahead. Project nominations were reviewed by an independent judging panel chaired by David Brousell, Editor-in-Chief, Managing Automation. Judges evaluated and scored nominated projects based on the following criteria: project scope, business impact, customer impact, technology use and scale. Progressive Manufacturing 50 winners were the companies receiving the highest total scores.

"These companies exemplify the best in manufacturing," explained David R. Brousell, Editor-in Chief of Managing Automation. "They are developing new ways of building products, bringing those products to market, and managing the relationships they need to succeed. They are masters of new ways of thinking about their companies, applying advanced technologies and achieving breakthroughs in the business of manufacturing."

The Progressive Manufacturing 50 award winners were honored and presented with their awards on June 14, 2007 at the Progressive Manufacturing Summit in Las Vegas.

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Xiamen Overseas Chinese Electronic Company Implements UGS PLM SOFTWARE's PLM Backbone for Collaborative Product Data Management

19 June 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)) announced that Xiamen Overseas Chinese Electronic Co., Ltd. (XOCECO) selected UGS PLM Software's UGS Teamcenter™ product data management (PDM) solution as the backbone for its first PLM implementation.

UGS PLM Software made the announcement in conjunction with its annual industry analyst event, at which key company executives plan to share the company's go-forward vision for the PLM and production automation markets.

As one of the leading electronic producers in China, XOCECO manufactures a wide range of quality products such as audio-visual equipment and telecommunication devices, which are sold in China and exported to more than 100 countries worldwide, where its products are known as PRIMA brand. To meet the challenges of a competitive electronics industry, XOCECO found it critical to take a strategic approach so that manufacturing systems such as MES can be integrated into its PLM system in order to accelerate its overall business performance.

XOCECO said it hopes to improve the efficiency of new product development and reduce time to market while trimming production costs by leveraging PLM. The company also said that it believes the selection of UGS Teamcenter will enhance collaboration and coordination among contributors and business systems throughout the product lifecycle.

“China's manufacturing sector has made great strides in the past few years to emerge as a manufacturing hub,” said Hans-Kurt Lübberstedt, senior vice president, Asia Pacific, UGS PLM Software. “Particularly in the past few years, companies have recognized the need to innovate more effectively and efficiently to remain competitive in foreign and domestic markets. PLM is the strategic choice for manufacturing enterprises that seek to maintain their competitive advantage and improve their core product creation competence.”

UGS PLM Software's China operation is celebrating its 20th anniversary this year. UGS PLM Software entered the China market in 1987, and established the first representative office in Beijing in 1990, and set up an R&D center in Shanghai in 2004. Since its entry into the market the company has helped Chinese enterprises transform from “made in China” to “made with China.”

UGS PLM Software China has been honored with Best 10 Product Provider of 2006 award by Manufacture Information Engineering of China magazine (MIE of China). The winners were chosen based on the following criteria: innovation, commitment, impact and driving forces in the market. In addition, UGS PLM Software China has also been awarded with Best PLM vendor by ERPWorld.net, Top 10 People in the News in 2006 for Chuck Yuan by ERPWorld.net, Editor's Choice Award for Teamcenter Express by E-Manufacturing magazine.

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Product News

Altair Launches Consumer-Focused Websites with the Service Release (SR1) of the HyperWorks 8.0 CAE Software Suite

19 June 2007

Altair Engineering, Inc. announced the SR1 service release of the Altair HyperWorks 8.0 computer-aided engineering (CAE) technology suite. At the same time, the company has launched its new family of websites to support Altair's corporate ventures and its growing engineering software, product innovation consulting and on-demand computing businesses. Altair will phase the deployment of these new websites throughout its global operations over the course of the next four weeks. For more information and to explore the new sites, please visit <http://www.altair.com/>.

HyperWorks provides an integrated suite of advanced engineering simulation software tools that increase efficiency and reduce cycle time needed to develop products. In addition to a rich set of product family enhancements, the HyperWorks 8.0 SR1 release includes the commercial release of HyperView and MotionView, as well as the addition of RADIOSS to HyperWorks and the Altair patented HyperWorks Unit (HWU) licensing system; 64-bit Linux support; and two new safety-performance related product introductions: HyperCrash and HyperStudyDSS.

HyperView® - High-Performance, Solver-Neutral Results Visualization Environment

HyperView 8.0 introduces Smart Memory Management, which significantly improves animation speed and memory management to easily handle multimillion- element models on both 32-bit and 64-bit architectures.

MotionView® - The Leading Open-Systems Multi-Body Dynamics Modeling Environment

MotionView 8.0 delivers a new graphical user interface that improves usability and workflow; a command line-driven database; and enhanced solver support, including additional MDL entities and contact modeling, as well as enhanced interfaces to ADAMS and ABAQUS.

RADIOSS® - A Proven Transient, Dynamic Solver to Simulate Real-World Performance

Acquired by Altair in September 2006, RADIOSS is a finite-element solver technology for explicit or implicit analysis. Over the past 20 years, RADIOSS has become the nonlinear solver of choice for leading manufacturers, government agencies and researchers. RADIOSS is now available under Altair's HWU licensing system, further increasing the value proposition of HyperWorks.

HyperCrash™ - A Highly-Tuned Modeling Environment for Crash and Safety Analysis

HyperCrash is a tailored pre-processing technology specifically designed to automate the creation of high-fidelity models for crash analysis and safety evaluation. Developed in cooperation with the industry's leading manufacturers, HyperCrash increases departmental efficiency and results accuracy through process-driven workflows and automated model-checking and correction.

HyperStudyDSS™ - A Multi-Run Study Environment for Crash and Safety Analysis

HyperStudyDSS is a powerful and efficient crash simulation study tool with design of experiments (DOE) and optimization capabilities. With an efficient and user-friendly graphical user interface, HyperStudy enables engineers to quickly identify material parameters, validate simulations and virtually evaluate designs for crash-test ratings. Leveraging best-in-class post- processing, data mining and optimization methods, HyperStudyDSS helps users to rapidly understand and improve vehicle crash performance.

Current Altair customers can immediately download HyperWorks 8.0 SR1 and the Release Notes -- with a complete list of new products, features and functionality -- by visiting Altair's Client Center portal at <http://www.altairhyperworks.com/>. Global software distribution will begin in July. For more information on the HyperWorks 8.0 release and training schedules, and to request product demonstrations, please visit <http://www.altairhyperworks.com/>.

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Centric Delivers Product Sourcing Application with Supplier Performance Management

18 June 2007

[Centric Software](#) announced the immediate availability of Centric Product Sourcing, the most comprehensive application that allows retailers, wholesalers and manufacturers to manage all the aspects of new product sourcing – from concept to SKU, including supplier lifecycle management. Retailers, manufacturers and wholesalers can take advantage of low-cost country sourcing, while tightly managing global supplier performance, compliance and product delivery.

Most retailers today manage product sourcing and supplier performance with email, spreadsheets and general desktop productivity tools. But these tools cannot effectively manage the vast amounts of data required for product sourcing and often result in multiple versions of the truth and errors in execution. Centric Product Sourcing offers an easy-to-use interface for finding, comparing and selecting products and suppliers, managing samples and costs including landed costs, managing supplier performance, and tracking supplier compliance and delivery.

“No one wants to look at a huge spreadsheet,” said Peter Dehio, vice president of global sourcing at United Stationers. “People need a quick snapshot of relevant information and indication of items needing attention. The innovative color-coded dashboards within the Centric Product Sourcing application provide graphical snapshots that offer immediate insight and drive action. Through improved tracking and insight, our on-time delivery rate has improved significantly, giving us the confidence to run a much leaner inventory, which in turn drives financial efficiencies.”

Centric Product Sourcing allows retailers and manufacturers to identify and compare products and suppliers, collaborate globally through a secure web-based interface, track status through highly configurable interactive dashboards, and assess financial implications. The application delivers real-time Product Intelligence by automatically combining metrics entered directly into the system with live information collected from suppliers’ and in-house repositories such as product databases, ERP systems, email and documents. Using Centric Product Sourcing:

Executives can view summary reports of schedules, costs and sales. Users can drill down to assess key performance indicators for thousands of new sourced product items.

Sourcing and procurement personnel can manage suppliers, factories, compliance and risk and sourced product quality.

Sourcing managers can select optimal products based supplier qualifications, product costs, and landed cost calculations.

Companies achieve revenue increases, improved margins and optimized inventory management from sourced programs.

“For competitive success in today’s global economy, companies must take advantage of low-cost country sourcing (LCCS) opportunities,” said Chris Groves, president and CEO at Centric Software. “But the dependence on LCCS introduces new risks. To be successful, organizations need tools to help them manage both supplier performance and supplier risk. Centric Product Sourcing provides at-a-glance visibility into 100% of the key metrics for measuring the performance and risks associated with sourcing products on a global basis.”

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CollabNet® Delivers Integrations with HP Quality Center Including Industry’s First Subversion™ Plug-In

20 June 2007

CollabNet announced the availability of the CollabNet Connectors to HP Quality Center. It features the first end-to-end integration between the code repository and version control system – [Subversion](#), and a premier quality management system. In addition, the integration between CollabNet Enterprise Edition and HP Quality Center provides software developers and test engineers real-time visibility into the entire distributed software development lifecycle. As an HP Software Gold Business Partner and with Integrations Interoperability Tested by HP, CollabNet is now a part of HP’s Quality Management Ecosystem to provide customers with innovative development solutions and global support for these integrations as well as Subversion.

The CollabNet Connectors to HP Quality Center are a central component of CollabNet’s recently introduced CollabNet Integration Package. The CollabNet Integration Package offers development organizations flexible integration options for Subversion, CollabNet Enterprise Edition and SourceForge® Enterprise Edition. It includes connectors to code repositories such as IBM® Rational® ClearCase® and CollabNet Desktop–Eclipse™ Edition, a newly released integration with the popular Eclipse IDE. The CollabNet Connectors to HP Quality Center are available now as a free download with optional support packages from the openCollabNet developer Web site (<http://downloads.open.collab.net>).

“CollabNet is proud to be an HP Software Gold Business Partner and shares HP’s vision for optimizing the business outcomes of IT,” said Martin Doetling, vice president of marketing at CollabNet. “By combining our leadership in quality management and distributed development, HP and CollabNet are providing customers with the software industry’s best solution to reduce costs, shorten time-to-market and improve product quality for distributed development teams.”

Quality assurance (QA) is a critical element in the software development lifecycle; its effectiveness depends largely on formal test plans that record up-to-date information about test design, test cases, QA applications and procedures. Software testing impacts not only the quality of the code, but ultimately determines a company’s ability to bring production-quality code to market in a timely and cost-effective manner.

The CollabNet Connectors to HP Quality Center deliver the first real-time integration between a collaborative and distributed software environment and HP's Quality Management Ecosystem, providing developers and test engineers with real-time visibility into the development process while ensuring that all software tests are performed against the right version of the test plan. The CollabNet Connectors to HP Quality Center automatically gather defects from HP Quality Center and copy them to the CollabNet environment. The synchronized copies can be tracked to resolution in projects that use CollabNet Enterprise Edition and are viewable by all authorized users, no matter where they are globally located. Teams in multi-site development organizations benefit greatly as this combined solution allows test teams to work in HP Quality Center while developers continue to work in their preferred development environment.

“The HP Quality Management Ecosystem enables our partners to develop extensions for HP Quality Center and HP Performance Center to help quality teams become productive as quickly as possible with new platforms, applications and environments,” said Jonathan Rende, vice president, Products, Software, HP. “We are pleased that CollabNet is providing CollabNet Connectors to HP Quality Center to help customers optimize the quality of their critical business applications.”

Using the CollabNet Subversion Connector to HP Quality Center, test managers create Subversion-enabled projects directly in HP Quality Center to gain access to Subversion's version-management capabilities. Test plans are stored and version controlled in Subversion's central repositories where users can search and access data to track changes in related test files and documents. When test plans are added, modified, or deleted in HP Quality Center, these changes are passed automatically to the Subversion repository. It allows test administrators to revert back to earlier versions of a test plan in HP Quality Center and search for specific modifications that may have impacted the test results and take corrective action.

Version management of code assets and test data is considered a key component of the software development lifecycle. Subversion, backed by CollabNet's enterprise support, training and consulting services, is an open source version control system that is the tool of choice for distributed development organizations, replacing outdated conventional software configuration management (SCM) tools. An estimated 2 million developers around the world rely on Subversion to version their code and promote re-use of code assets. Today, companies around the globe are turning to Subversion to standardize and optimize their central code and test repositories for distributed development projects and their core software assets.

openCollabNet (<http://www.open.collab.net/>) is an online extension to CollabNet; this Web 2.0 community dedicated to developers using Subversion and CollabNet offers discussion forums, in-depth technical information, product extensions, and free downloads of CollabNet's and partners' products.

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Dassault Systèmes Announces CAA Software Partnership with CD-adapco; Capabilities to be Enhanced for Managing Flow and Thermal Simulations within Leading PLM Environment

21 June 2007

Dassault Systèmes (DS) announced that CD-adapco, a leading global provider of full-spectrum engineering simulation solutions for fluid flow, heat transfer and stress, is now a Component Application Architecture (CAA) Software Partner.

“CD-adapco’s commitment to integration with CATIA and SIMULIA is a key factor in upgrading CD-adapco to CAA Software Partner status,” states Ken Short, VP strategy and marketing, SIMULIA, Dassault Systèmes. “By taking our business relationship to the next level of technical collaboration, CD-adapco will be able to work more closely with our R&D teams to enhance the integration, capabilities, and scalability of their solutions within the world’s leading PLM environment.”

“We share a common vision with Dassault Systèmes of providing robust simulation solutions to designers and analysts through a collaborative PLM environment,” states Dennis Nagy, VP of marketing and business development, CD-adapco. “DS’s open CAA environment ensures that we are able to provide our common customers with advanced simulation technology to gain insight into product performance and deliver innovative products to market faster while lowering development costs.”

As a CAA Software Partner, CD-adapco will leverage DS’s CAA environment to extend and enhance the capabilities of their [STAR-CAT5](#) product for flow and thermal management integrated within CATIA. Simulation set-up and input/output requirements have been automated and integrated into CATIA, enabling users across many industries, including automotive, aerospace, oil and gas, electronics, and pharmaceuticals to concentrate on evaluation of engineering results and optimization of designs while taking full advantage of CD-adapco’s advanced simulation technology.

CAA is DS’s open middleware and development environment for PLM. The CAA Software Community Program is dedicated to ISVs (Independent Software Vendors) willing to develop, sell and support CAA-based applications, fully integrated with CATIA, SIMULIA, ENOVIA and DELMIA. This collaboration results in the expansion of DS’s 3D PLM solutions to cover the entire product lifecycle range, thus enabling mutual customers to take advantage of a larger set of products in response to their specific industrial needs. More information is available at <http://www.3ds.com/alliances/software-partnership/>

Partners, customers, and professionals from DS will gather at DEVCON, Dassault Systèmes developer conference in Paris, on June 26-27, 2007, to learn how to leverage the CAA partner program and discover the latest information about DS’s key technological advances. More information on DEVCON can be found at <http://www.3ds.com/news-events/devcon>.

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D-Cubed Collision Detection Manager from UGS PLM Software Licensed by IronCAD to Enable Fast, Accurate Collision Detection and Clearance Computations

21 June 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)) and [IronCAD, Inc.](#) of Atlanta, announced that the D Cubed™ Collision Detection Manager (CDM) component software has been licensed for use in the IronCAD 3D mechanical design application. The CDM software is the fourth product from the UGS PLM Components family licensed by IronCAD, expanding on its existing use of UGS Parasolid™ modeling kernel software and its D-Cubed 2D and 3D Dimensional Constraint Manager parametric solving software systems.

“We are very pleased with the capabilities, quality and product support associated with the three UGS PLM Components that we currently license from UGS PLM Software, so we have no hesitation in selecting the D-Cubed CDM,” said Cary O’Connor, director of Product Marketing for IronCAD. “The use of the CDM will enable us to bring interactive, accurate collision detection and clearance computation capabilities to our users much more rapidly and cost effectively than would otherwise be possible.”

Easily integrated and widely adopted in a variety of CAD, CAM, CAE and PLM systems, the CDM is used in UGS NX™ and UGS Solid Edge™ products, as well as SolidWorks from SolidWorks Corporation, Autodesk Inventor from Autodesk Inc., and many other applications. The CDM enables CAD users to interact with their assemblies and mechanisms with significantly improved realism and confidence, resulting in increased productivity by eliminating design errors caused by interfering parts. D-Cubed CDM’s exceptional performance enables CAM (Computer Aided Manufacturing) and CMM (Coordinate Measuring Machine) users to run their off-line programming simulations with very high levels of accuracy, avoiding expensive collisions between tools/probes and the machining/measurement environment.

“The licensing by IronCAD of the fourth product from our UGS PLM Components portfolio exemplifies our ongoing commitment to delivering innovative component technologies to the market under our ‘level playing field’ business model,” said Chuck Grindstaff, executive vice president, Products, UGS PLM Software. “This license further establishes UGS PLM Software as the leading supplier of component technologies to the CAD, CAM, CAE and PLM markets.”

UGS PLM Components; Parasolid and D-Cubed

UGS PLM Components are software tools that promote innovation, standardization and interoperability within the CAD, CAM, CAE and PLM marketplace. UGS PLM Software develops these components, uses them throughout its own applications and licenses them to independent software vendors (ISVs) and end-user organizations. Part of the UGS PLM Components family of products, Parasolid and D-Cubed components enable 3D part and assembly modeling, editing and interoperability, 2D/3D parametric sketching, motion simulation, collision detection, clearance measurement and visualization. Applications include mechanical CAD, CAM, CAE, mold design, sheet metal, AEC, GIS, structural, plant and ship

design, CMM, reverse engineering and sales configuration. For more information, please visit <http://www.ugs.com/products/open/>

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Dyadem Unveils New Quality Lifecycle Management Solution to Help Customers Increase Competitive Advantage

21 June 2007

Dyadem announced an enterprise solution that helps manufacturers increase competitive advantage by managing quality throughout the lifecycle of a product. Stature is an enterprise Quality Lifecycle Management (QLM) software solution that allows stakeholders from design to manufacturing to collaborate in real-time and improve quality, compliance, and communication across a global manufacturing enterprise. By automating processes, Stature helps companies reduce the cost of poor quality and proactively improve the design, manufacture and delivery of high-quality, high-value products and processes.

Across industries such as automotive, electronics and medical devices, companies are challenged to bring to market high quality products on time and under budget. As companies move to global manufacturing models, it is essential to have a solution in place that ensures communication and knowledge sharing across departments.

"Our partnership with Dyadem has grown from several users to more than a thousand users across the globe," said Gary J. Matula, CIO, Molex, Inc. "We have extended the FMEA-Pro7 implementation to support product engineering, manufacturing and quality across multiple languages in our global product design process. We believe that Stature is the next step in helping us build a shared and secure global knowledge database that will expand the Dyadem functionality and help us further improve our product development process."

As organizations are tasked to comply with a multitude of quality standards such as International Standards Organization's ISO 9001 and ISO 14971, Advanced Product Quality Planning (APQP) and Six Sigma, they realize the importance of building quality into their processes and sharing information across the lifecycle. Stature enables companies to automate compliance processes, which in turn allows manufacturers to reduce the time they spend on compliance and improve quality through the removal of manual processes.

Quality planning early in the product lifecycle, better sharing of knowledge across business units, and the collection and application of lessons learned enables companies to overcome these obstacles, and improve profitability by delivering high value, reliable products. Manufacturers can drive down costs with improved quality from Dyadem's Stature solution.

"The cost of poor quality can be as much as 15 to 30 percent of revenues for a global manufacturer, yet until now the quality processes around getting a product to market have never been fully addressed in Product Lifecycle Management (PLM)," said Kevin North, president & CEO, Dyadem International. "In highly competitive industries and with a global supply chain, addressing quality from the design stage is imperative. We're able to help teams of several hundred employees collaborate and share knowledge in real time, across the globe."

To address the challenge of relaying information across teams in a global setting, Stature offers companies a common vocabulary for requirements, functions, and failures that allows organizations to automate best practices in a format that is easily and directly accessible to users on a current project and for subsequent development cycles. These common standards enable companies to create consistent quality specifications across their organization and construct a cycle of continuous improvement.

Stature's common vocabulary enables engineering and manufacturing to align their communication and business processes by ensuring everyone is talking the same language. Across silos where traditional processes have limited knowledge sharing, departments can file corrective and preventive actions against the same functions, failures and effects used throughout the organization, allowing previously unstructured and hard-to-relate data to be clearly and cleanly linked.

Stature is available immediately for enterprises of 50 seats or more. Pricing is dependent upon number of users. For more information about Stature, visit: <http://www.dyadem.com/>

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LEDAS Opens New Direction Geometric Solvers Development With Release LGS 2D 2.0

20 June 2007

[LEDAS Ltd](#), an independent software provider of computational components for PLM and ERP, releases next version of its 2D geometric solver.

The main new feature of the recently released version 2.0 is its capability to deal with discrete entities in a geometric model. The difference between real-life engineering and pure math problems is that real designs often contain parts and elements of standardized sizes or sets of predefined mechanisms configurations and models. Describing these problems with the help of continuous entities, has always been a drawback of geometric modeling. Now any licensee of LGS 2D 2.0 has capability to specify the table constraint which lists all possible combinations of values of different variables in the model and ensures that LGS 2D selects one of these configurations during computations, providing a user with a solution consistent from engineer point of view. In order to limit a particular variable by a set of all possible values, one can use more simple enumeration feature.

Besides, the success rate and naturality of LGS solutions has been increased. A number of bugs, including the lack of unfixed parameter support for Vertical and Horizontal Distance constraints, are fixed.

About LGS 2D

The LGS 2D geometric solver is a computational module, engineered to support two-dimensional parametric design in CAD and computer graphics systems, as well as many other applications that require parametric connections or constraints to be set between geometrical objects.

LGS 2D supports creation and modification of the geometric models by means of (explicit or implicit) constraints. Typical geometric objects are points, lines, circles, or arbitrary curves. Objects can be fixed in an absolute coordinate system or with respect to each other (the latter feature is provided by the so-

called rigid sets of objects). Set of geometric constraints includes logical constraints between geometric entities (like coincidence, parallelism, tangency, etc.), dimensional constraints (that specify the required values for given distances, angles or radii). LGS 2D moves and rotates objects to positions where all constraints are satisfied trying to perform minimal possible transformations of initial configuration.

LGS 2D is a cross-platform software. It is a set of libraries that runs under all Windows, Linux, *BSD, AIX and other OS. Being written in C++, LGS has a C-based API that allows integrating it into a broad range of software applications (even not written in C/C++). LGS 2D can be used as a self-supporting component, or jointly with 3D version. Being a successor of 2D version LGS 3D solver significantly expands application possibilities to apply computational engine. It supports creation and modification of the 3D geometric models. Both 2D and 3D versions have similar API, the set of three-dimensional objects and constraints intersect with the analogous set in two dimensional case, therefore, providing a complete parametric solution for all aspects of CAD/CAM system functionality - from 2D sketching to 3D modeling, kinematics simulation, assembly design and analysis.

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MSC.Software Accelerates Product Innovation and Delivery Through the Release of SimEnterprise R2

18 June 2007

MSC.Software Corp. announced the release of SimEnterprise R2, the newest installment of the company's integrated, enterprise simulation solutions. SimEnterprise R2 includes the SimXpert, SimDesigner, and SimManager applications, providing advanced capabilities to capture and reuse expert knowledge across engineering disciplines, user communities, and organizational boundaries in order to accelerate product development through enhanced productivity.

SimXpert R2 enables simulation experts to easily create reusable templates that represent simulation best practices and to share them with other expert analysts, engineers, and even designers for improved productivity and reliability of results. SimXpert templates leverage the power of MD Nastran to run multi-discipline simulations based on a single model, eliminating mistakes from manual data transfer and translation between models and improving collaboration between engineering groups.

SimDesigner R2 scales the value of simulation by giving designers the ability to evaluate product performance in the native CAD environment. In addition to exposing core basic simulation functionality in CAD, SimDesigner R2 gives designers the ability to reuse expert knowledge through remote execution of templates from CATIA V5 and now includes this capability from within Pro/ENGINEER Wildfire. The ability to launch template execution authored by experts enables designers with minimal simulation knowledge to reliably predict structural, motion, and thermal performance of products early in product design, eliminating costly redesign late in the process.

SimManager R2 enables secure collaboration between expert analysts, designers, suppliers, and other simulation stakeholders with its enterprise process and data management capabilities. SimManager manages simulation information in the context of the methods and processes used to create it, providing

an audit trail for simulation and a searchable database containing models, results, reports, and other important data. SimManager provides out-of-the box integration with SimXpert and SimDesigner, SOA-based integration with other enterprise applications, and built in compute resource management for execution of simulation templates and solver jobs. SimManager R2 also adds a new graphical process builder, making simulation process configuration fast and intuitive.

"SimEnterprise R2 takes MSC.Software's solutions to the next level for engineering productivity through tighter integration, enhanced capabilities to make simulation more valuable, and is the first release to achieve SOA Connect certification through IBM with SimManager," said Stephen Bodnar, vice president of marketing and product management at MSC.Software. "Now more than ever, our customers are looking to us for ways to deliver right-to-market products with ever-increasing productivity across the engineering enterprise. SimEnterprise R2 delivers an enterprise-ready solution that can enable our customers to capture, share and reuse critical simulation data so designers and engineers can spend less time on low-value tasks and more time on product innovation."

SimXpert R2

SimXpert is a unified multi-discipline environment for modeling, solving, and evaluating results of functional performance simulations. SimXpert provides expert analysts with comprehensive capabilities to perform linear and nonlinear structural, crash, thermal, and motion simulations using a common data model. SimXpert also provides capability for experts to capture their best practices in the form of reusable templates that can be shared with other experts and designers across the engineering enterprise.

SimExpert R2 features and benefits include:

Native Pro/ENGINEER geometry -- fully bi-directional associativity with Pro/ENGINEER Wildfire geometry.

Enhanced MD solver support -- support of advanced solution sequences including explicit nonlinear, advanced thermal solutions, composites analysis, and MD ADAMS R2

Template Studio enhancements -- enables rapid, intuitive authoring of templates by non-experts

Enhanced integration with SimDesigner and SimManager -- execution of templates from the native CAD system of CATIA V5 and Pro/Engineer.

SimDesigner R2

SimDesigner provides design engineers with the ability to access multidiscipline simulation capabilities up-front in the design process, reuse expert analyst best-practices and collaborate with the enterprise. SimDesigner Enterprise R2 supports the CATIA V5 CAD platform and is delivered as a single solution for linear static and nonlinear analysis, multibody dynamics simulation, thermal-mechanical analysis and basic crash/impact studies. SimDesigner improves collaboration between design engineers and analysts

through cross-enterprise access to existing simulation resources as well as guided simulation using SimXpert templates and seamless simulation data management from SimManager.

SimDesigner R2 features and benefits include:

Template Client -- SimDesigner Enterprise Template Client is a new product in the R2 release. SimDesigner Enterprise Template Client supports Pro/ENGINEER Wildfire 3.0 and improves collaboration between design engineers and expert analysts through guided simulation using SimXpert templates and seamless simulation data management from SimManager.

Improved integration with SimManager -- provides simulation process and data management as well as collaboration with OEMs and suppliers.

Enhanced MD Nastran solver support -- provides the ability to conduct linear and nonlinear simulations from the same workbench.

SimManager R2

SimManager is an enterprise simulation data and process management solution that enables manufacturers to manage simulation data, methods, and processes. SimManager delivers key capabilities that work with the existing CAE infrastructure to elevate simulation to a strategic, scalable, enterprise-level asset through reuse of methods and models, extended enterprise collaboration, process management, and enables audit of the entire simulation history for quality and effectiveness.

SimManager R2 features and benefits include:

New Graphical process builder -- enables rapid, intuitive system configuration to support customer-specific process execution.

Integrated HPC management -- optimizes utilization of server, cluster, and grid hardware to run templates and solver jobs.

Enhanced integration with SimDesigner and SimXpert -- provides an end-to-end enterprise simulation solution to speed design cycles and capture critical simulation process data for reuse across an enterprise

SOA architecture -- provides a standards-based means to integrate simulation information into other enterprise business systems.

SimEnterprise R2 is available now directly from MSC. For more information, please visit <http://www.mscsoftware.com/> or contact .

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Planview and BMC Software Team to Bring Portfolio Management to Business Service Management

19 June 2007

Planview announced a global, strategic relationship with BMC Software to offer joint solutions that integrate the Planview Enterprise portfolio management application suite with BMC's Business Service Management (BSM) solutions. Planview-BMC solutions will be sold by BMC Software's global sales force and reseller channels under the BMC Software MarketZone program.

BMC and Planview will address the fundamental IT management challenge of increasing and demonstrating the value of IT to the business. By automating Project and Portfolio Management within a Business Service Management architecture, IT executives will gain consolidated management of business demand and IT activity for the creation, enhancement, delivery and support of business services.

“Demand on IT organizations continues to grow at a dramatic rate. This increasing demand manifests in the form of initiatives and projects in IT organizations, and as incidents, changes, assets and service requests in operations and support organizations,” said Patrick Tickle, CMO of Planview. “The integration of Planview's strengths in demand, resource and financial management with the BMC's Business Service Management strengths in ITIL service management and IT operations has the potential to provide IT organizations with unparalleled breadth for managing IT from the perspective of the business.”

“Customers are looking for ways to expand on the success of their initial BSM implementations in IT operations and support. The partnership between BMC and Planview accomplishes just that,” said Fred Johannessen, vice president, Technology Alliance and MarketZone, BMC. “By combining BMC's BSM approach and Planview's Project and Portfolio Management solution, customers will be able to streamline the IT value chain across service development, delivery and support. Together, BMC and [Planview](#) will provide leading solutions and expertise to help customers achieve quick ROI and long-term strategic business value through IT.”

The integrated software solutions will use business service priorities to better govern investment, prioritization and coordination of IT staff and assets across application development, service support and datacenter operations. The two companies will extend Planview Enterprise current integrations to the BMC Remedy IT Service Management suite. New integrations will include deeper interoperability between the demand, resource and financial management of Planview Enterprise and the BMC Remedy Change Management, BMC Atrium Configuration Management Database (CMDB), BMC Service Request Management and BMC Service Catalog solutions. Initial implementations are expected to focus on consolidating analysis of IT staff time and management of initiatives and projects across the business service lifecycle, from development to operations and support.

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SolidWorks Corporation Delivers SolidWorks 2008

18 June 2007

SolidWorks Corporation released SolidWorks® 2008, the newest version of its 3D CAD software. SolidWorks 2008 delivers a new intuitive, time-saving user interface (UI) as well as impressive 3D graphics, builds on the company's SolidWorks Intelligent Feature Technology (SWIFT), accelerates better product design, and includes more advanced design analysis capabilities than any other CAD software.

With more than 250 user-requested enhancements, SolidWorks 2008 lets users concentrate on solving design challenges, not on using the software, and leverages existing designs to save time and ensure accuracy. It also helps users improve their designs by providing feedback about quality and manufacturability up front.

"The SolidWorks 2008 UI is very slick with an even more intuitive feel," said beta user Josh A. Mings, interior engineer of Executive Aircraft Completions, Tulsa, Okla. "You're more efficient because you have more opportunities to work on, in, and around the model in addition to the menu options. Switching between documents is more efficient, too, because you can see what you're switching to before you actually do. The more you experience it, the better SolidWorks 2008 gets."

Focus on design, not CAD

SolidWorks 2008 introduces a host of new capabilities that lets users immerse themselves in their designs.

First is the new user experience. The intuitive workflow predicts which tools users will need in the context of the specific task they are undertaking and makes them readily available. The interface increases useful window real estate, reduces mouse travel, provides innovative customization options, and provides task-based command selection. These attributes help establish SolidWorks as the easiest to use 3D CAD system, focusing users on their designs and minimizing distractions.

SWIFT Instant3D, one of several unique new features built on the SWIFT framework, lets users create and modify 3D model features simply by manipulating drag handles directly on the model. Users don't need to deal with esoteric commands, dialog boxes, and extensive data input other CAD systems require. "Live cross-sections" enable users to make edits by dragging edges while looking at a slice of the model.

SWIFT DimXpert automatically sets geometric dimensions and tolerances on parts, saving time and providing expert information every design team needs. It provides visual feedback on whether the model has been properly described and is ready for manufacturing. DimXpert adheres to the ASME Y14.41-2003 3D specification and automatically creates views, dimensions, and tolerances in 2D drawings for complete design documentation.

Reuse existing designs to save time

SolidWorks 2008 gives users unique new ways to design better products faster by repurposing portions of existing designs while enforcing best practices.

The Design Clipart capability lets users search their file systems for sketches, tables, images, features, views, or DWG blocks that are inside existing designs. Once the item is located, Design Clipart dissects target files, allowing users to simply drag the item to incorporate it in new designs. The Design Clipart feature helps engineers recoup the hours they spend every day looking for already finished designs. Design Clipart also extends SolidWorks' leadership in the reuse of AutoCAD® data by allowing quick access to any portion of a DWG file without the need for translation.

In addition to supporting native DWG blocks, SolidWorks 2008 alerts users when a referenced DWG block has been changed. Users can also natively edit these DWG blocks in the DWGeditor by simply right-clicking the block – a natural, efficient workflow for leveraging DWG data in new 3D designs.

Design teams for the first time can manage all of their 2D files from the SolidWorks desktop using a new capability called the DWGnavigator. The DWGnavigator lets users perform powerful DWG-specific searches, find references, view, and package up files for sharing. Users can also save their files in the format of any version of AutoCAD or AutoCAD LT software for unmatched interoperability.

Another unique development, DriveWorksXpress, automatically creates custom parts, assemblies, and drawings based on pre-defined design rules, enabling companies to quickly and economically respond to the unique needs of every customer.

Improve your designs

SolidWorks 2008 gives design teams powerful new tools to help produce accurate designs that are complete, of high quality, and manufacturable the first time.

COSMOSWorks® Design Insight, for example, displays the portions of CAD models that carry applied loads, making it easy for designers to decide whether to add material for strength or subtract it to avoid costly over-engineering. DFMXpress, another unique SolidWorks feature, helps “design for manufacturability,” preventing costly downstream design errors by automatically flagging elements that are difficult, expensive, or impossible to machine, such as 90-degree milled corners.

TolAnalyst is an automated tolerance stack-up tool that helps companies avoid the hidden potential fit and function problems that can result from variations in manufacturing tolerances in an assembly. TolAnalyst helps identify the most critical tolerances and lets users tighten or loosen any tolerance to avoid functional problems or costly over-engineering. TolAnalyst also reduces the need for tedious error-prone hand calculations, increasing users' confidence that their designs will yield properly functioning products the first time.

“Designers use SolidWorks to create products throughout the day, so the software must help them be efficient and effective,” said John McEleney, SolidWorks CEO. “In addition to powerful, unique design

capabilities, SolidWorks 2008 delivers a smart user experience that fits naturally with the designers' workflow, allowing them to focus on innovation – which is the number one goal for them and us.”

Availability and pricing

SolidWorks 2008 is available now for purchase in 13 languages worldwide through SolidWorks authorized resellers. Contact a SolidWorks authorized reseller for pricing. To locate one in your region, visit <http://www.solidworks.com/locateVAR/> For more information about SolidWorks 2008, including video demonstrations, please visit <http://www.solidworks.com/SW2008PR> or contact a reseller.

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Synopsys Announces Virtual Platform for Marvell's PXA3xx Application Processors

19 June 2007

Synopsys, Inc. announced the availability of the DesignWare® VPXA3 Virtual Platform for development of smartphones, hand-held and consumer electronics devices that use Marvell PXA3xx XScale technology next-generation application processor. The DesignWare VPXA3 Virtual Platform is now available to engineers who want to evaluate and use the Marvell PXA3xx in their portable and handheld devices. Synopsys' Virtual Platforms improve design quality and shorten time-to-market by allowing the software team to start software development up to nine months before the silicon prototype is available. By continuously integrating the software and hardware before hardware is available, developers are able to find and fix significant software and hardware integration issues before tape-out.

The DesignWare VPXA3 Virtual Platform provides software engineers with a high-speed, pre-silicon software execution environment that allows the development of system-on-chip- (SoC) related software before hardware is available. The Virtual Platform technology enables the creation of a software model of a complete system that fully mirrors the functionality of a complex, multicore hardware platform. The DesignWare Virtual Platforms combine high- speed processor instruction-set simulators and high-level, fully functional transaction-level models (TLMs) of the hardware building blocks to provide a high-level model of the hardware to the software developer.

Synopsys also provides the complete hardware/software development and validation environment for designers using the Marvell PXA application processors. Engineers at Marvell Technology, a leader in storage, communications and consumer silicon solutions, used the DesignWare VPXA3 Virtual Platform for pre- and post-silicon software development, hardware/software integration, and system validation. The DesignWare VPXA3 Virtual Platform helped Marvell engineers shorten time-to-market and improve design quality, and also allowed them to execute their software -- including the post-silicon software tests -- before the hardware was available.

"We turned to Synopsys to help us improve our system integration and validation. Synopsys Virtual Platform methodologies allowed our software engineers to begin development using functional hardware models," said Sam Arditi, senior vice president, Marvell Cellular and Handheld Group. "This helped us

shorten time-to-volume. Synopsys' fast delivery and high quality Virtual Platform also saved us development costs and reduced the integration risk as we introduced our PXA3xx application processor to the highly competitive handheld and consumer markets.

The Marvell PXA3xx family of application processors was designed for feature-rich handsets, smartphones, GPS navigation systems, wireless handhelds and other consumer electronics devices. Marvell application processors deliver high-resolution VGA multimedia performance with the extended battery life required for today's advanced 3G video and audio applications.

"Synopsys' Virtual Platforms are enabling software teams to develop, validate, and integrate their software months before a silicon prototype is available," said Joachim Kunkel, vice president and general manager, Synopsys Solutions Group. "A great example of this is how Marvell was able to introduce the device software, consisting of boot code, device drivers and operating systems, along with their PXA3xx next-generation application processor by using the DesignWare VPXA3 Virtual Platform."

Availability

Synopsys' DesignWare VPXA3 Virtual Platform software development environment systems are available now. For more information on Synopsys DesignWare Virtual Platforms, go to <http://www.synopsys.com/virtualplatform>.

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Telelogic Announces Scalable Enterprise Change Management Solution That Improves Productivity and Traceability

20 June 2007

[Telelogic](#) announced Telelogic Change™ 4.7, a Web-based and highly scalable software solution that provides problem tracking, change request and workflow management across the enterprise. Part of the company's overall application lifecycle management (ALM) solution set, Telelogic Change 4.7 allows stakeholders ranging from developers to quality professionals achieve better and more consistent results.

Telelogic Change 4.7 fills the need for a consistent, integrated problem tracking and change request management solution that is easy to use, yet able to meet the scalability requirements of large and complex organizations. Web-based and customizable, Change 4.7 is ready to use "out of the box" and has a low cost of ownership and implementation.

Telelogic Change 4.7 includes:

Proven Enterprise Change Processes – co-developed with Philips Applied Technologies, this out-of-the-box solution provides a low-risk, high-ROI process package for consistent change request and problem report management across the organization. It supports process initiatives such as CMMI and quality

initiatives including ISO 9000 and has been successfully deployed to over 900 users across more than a dozen sites.

Functionality that promotes a more strategic approach to quality assurance (QA) – Historical data collection and reporting capabilities identify when defects were introduced, when they were found, how they will impact cost, quality and delivery, and where process improvement will have the most impact.

New integrations that support ALM, from requirements to code – Integration with Telelogic Focal Point™ and Telelogic DOORS® Fastrak™ improves collaboration among stakeholders and allows large numbers of change requests and requirements from multiple stakeholders to be prioritized. This integration enables processes that are optimized for fast-paced development cycles, providing the most comprehensive ALM solution for all types of projects, from complex systems and software to agile development.

“The process and toolset now available as Change 4.7 Enterprise Change Process (ECP) are generic, robust and comprehensive, yet remain intuitive for the end-user and scalable to meet Change & Problem management demands of our development projects,” said Wim Geerdink of Philips Applied Technologies. “After deployment we measured a significant improvement in change request throughput times as well as a reduction of effort spent on Change Management activities. This solution contributed to the successful passing of various audits, including CMM and KEMA. Over the years it has proven itself many times in various disciplines and sizes of projects, including multi-site projects.” The process and toolset have also been adopted by other Philips divisions and companies.

“Change is inevitable, whether you are developing a product or implementing a new IT initiative. What matters most is how the information relating to change is shared, managed and used to further an organization’s best interests,” said Jesper Christensen, Executive Vice President, Change and Configuration Management Product Division, Telelogic. “With the latest version of Change, Telelogic provides an integrated change process and workflow that supports even the most rigorous process initiatives and governance rules. With this highly-scalable solution, organizations can share information about new requirements, problems and bugs in an integrated fashion that improves quality and reduces bottlenecks.”

Telelogic Change 4.7 is available now.

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UGS PLM Software Launches UGS Synergy; a New Program for the Automotive Industry to Revolutionize the Vehicle Design and Manufacturing Collaboration Process

18 June 2007

[UGS PLM Software](#), a division of Siemens Automation and Drives ([A&D](#)), in collaboration with HP, announced its new UGS Synergy™ program for the automotive industry that will revolutionize the vehicle design and manufacturing collaboration process.

The new program provides for asynchronous design information sharing in a computer-aided-design (CAD)-independent environment. For the first time, original equipment manufacturers (OEM) and suppliers at all levels of the supply chain will have a single optimized process for exchanging vehicle design and manufacturing information. UGS Synergy enables suppliers to set up their own PLM environment and leverage its power to optimize the entire enterprise.

“Suppliers will now have the capability to easily and securely share information across multiple OEM program teams, develop product development best practices across the entire company and optimize expertise and business savvy on an enterprise-wide basis,” said Dave Shirk, executive vice president, Global Marketing, UGS PLM Software.

The UGS Synergy program leverages its JT™ data format, which has emerged as a standard for 3D visual collaboration in the automotive industry. Both OEMs and suppliers alike use JT for a wide range of downstream applications from purchasing to manufacturing, as it is smaller in file size and protects intellectual property.

According to a November 2006 report, Cyon Research Corporation estimates that if a single platform such as JT were implemented as a standard data-transfer mechanism, automotive industry suppliers would benefit from savings in the range of \$500 million to \$800 million annually.

More specifically, the report states that: “The data indicates that the typical North American supplier would save between \$500 and \$1,700 per million dollars of revenue- or, in other terms, a supplier with \$1 billion in annual revenue could save perhaps \$1.7 million annually if the automotive industry were to adopt a single platform as its sole data-transfer standard.”

Customers will have the ability to purchase UGS Synergy program components as a single appliance, which includes an HP ProLiant server with UGS PLM Software products, packaged and optimized for quick and easy implementation. UGS Synergy also includes the Exchange Manager, powered by PROSTEP™, which allows suppliers to pull the specific design context from their customers’ managed environment and map it into the suppliers’ local UGS Teamcenter™ product data management solution where it can be made available to the entire team. Returning the suppliers’ deliverable is equally as simple.

Developed and tested on HP ProLiant servers, the UGS Synergy program enables an optimized design environment through a single, enterprise-wide data management environment that unites all suppliers product information, enforces proper part nomenclature and encourages best practice work processes together with a single, best-in-class, latest generation design system

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VISTAGY Announces Seat Design Environment™ 2.0 Software for Transportation Seat Engineering

21 June 2007

VISTAGY, Inc. announced Seat Design Environment™ (SDE) 2.0, the latest version of its 3D development environment that is tailored specifically to the design and manufacture of seats for the transportation interiors industry. The SDE provides a complete engineering environment integrated directly into popular commercial 3D CAD systems for more efficiently managing all aspects of seat trim development—from conception, design and cost modeling to document generation and manufacturing. [VISTAGY](#) will showcase the new software at the IQPC Innovations in Automotive Seating conference in Dearborn, Michigan USA (Booth #4) on June 25–27 as well as at the 7th International CTI Forum in Munich, Germany on June 27–28.

In light of constant competitive pressure to deliver inexpensive transportation seats more quickly and accurately, engineers strive to obtain design feedback and manufacturing cost information very early in development to ensure final seats meet specifications and deadlines. The SDE addresses this need by enabling engineers working within their familiar CAD system to easily create a single, complete 3D virtual product definition of the seat architecture and cover—including all non-geometric data associated with the model—like material specifications, stitch types, and sewing instructions. This single master CAD model helps engineers more efficiently share design detail across teams, obtain instant feedback on constantly-changing design and cost data, and automatically generate critical manufacturing documentation at the click of a mouse. As a result, OEMs and suppliers accelerate seat delivery time from months to days while eliminating physical prototyping, improving manufacturing accuracy, and assessing how the trim interacts with the seat architecture—and ultimately the entire interior.

“The SDE helps customers answer questions early in development about whether a seat can be manufactured as designed, how it will look or perform, and how much it will cost. This is a powerful value proposition that dramatically changes how companies create transportation seats and manage design changes,” said Ed Bernardon, vice president of business development at VISTAGY, Inc. “Instead of constructing manual drawings and physical prototypes, engineers can now create complete 3D virtual product definitions using a comprehensive engineering environment specialized for transportation seat development, eliminating previously tedious, time-consuming and error-prone tasks.”

New capabilities in the SDE enable engineers to be more efficient and productive, freeing up time to concentrate on developing new innovations.

Cost modeling – Engineers can now obtain immediate feedback on seat manufacturing cost data by automatically exporting product definition detail contained in the master CAD file to cost model documents. As a result, engineers can make more informed decisions early in design about critical design-to-cost drivers such as material types and quantities, seam placement, sewing instructions, assembly sequencing, and hardware quantities.

Integrated materials databases – The SDE contains a variety of “out-of-the-box” design databases relevant to the seat development process, and integrates them into the CAD system. These databases, which are launched from the CAD environment and instantly available to engineers, contain lists of cover materials, seam types, needles, threads, standardized parts, and notes and specifications that are used to define a seat. As a result, searching for this data takes far less time and introduces fewer errors. Organizations can customize these databases to coincide with their particular manufacturing requirements, or the SDE can be integrated with existing databases for additional flexibility.

Automatic document generation – The SDE enables engineers to automatically export and format detailed product data from the master model to a wide variety of documents, including engineering drawings, bills of materials, spreadsheets, Web pages, quality planning forms, and other formats. As a result, the SDE saves time and helps eliminate the tedious, error-prone tasks of manually creating documentation, especially when frequent changes occur.

“With these new features and capabilities, the SDE makes it easy to create complete virtual seat design definitions directly in the CAD model with little or no CAD experience,” said Olivier Guillermin, director of product & market strategy at VISTAGY, Inc. “Our customers generally get up-to-speed on the SDE within a day, and do not require extensive training because the software works within the current development environment. SDE allows engineers to work how they think with familiar seat engineering terminology and development processes, while providing an important competitive advantage over hard-to-manage point solutions or general CAD software programs.”

The company will be presenting SDE 2.0 in its booths and speaker sessions at the following conferences:

IQPC Innovations in Automotive Seating (Booth #4) June 25 - 27, 2007 at the Dearborn Inn, Dearborn, Michigan USA Workshop: "Using Seat Engineering Software," presented by Ed Bernardon, vice president of business development, VISTAGY Monday, June 25, 2007 from 2:30 p.m. - 5:30 p.m.

7th International CTI Forum-Automotive Seats June 27 - 28, 2007 at the Kempinski Hotel Airport in Munich, Germany Presentation: "Bringing Seat Systems to Market More Rapidly by Improving Engineering Efficiency," presented by Steve Luby, president & CEO, VISTAGY Thursday, June 28, 2007 at 3:05 p.m.

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XVL Studio and XVLstaff to Integrate with Adobe LiveCycle Rights Management; Combined Products Deliver increased control of Intellectual Property in 3D data

20 June 2007

[Lattice Technology, Inc.](#) and Hitachi Software Engineering Co., Ltd. announce the integration of their products with Adobe® LiveCycle® Rights Management, allowing protection of confidential 3D data across the enterprise manufacturing ecosystem. Developed using the rights management environment of Adobe LiveCycle Rights Management, XVLstaff and XVL Studio Ver.7.0 allow granular control of access rights to 3D data for internal and external data sharing, including the revision control and expiration of distributed data, as well as logging of unauthorized access attempts.

3D data is widely used in the global manufacturing industry. Lattice Technology's ultra-compressed XVL format provides a very lightweight, accurate representation of 3D CAD data that allows re-use of complex 3D CAD data in many applications including design review, manufacturing process planning and parts catalogs. With increasingly wide data distribution, best-in-class security has become a requirement for many manufacturers. Lattice Technology and HitachiSoft have combined with Adobe

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LiveCycle Rights Management to provide secure control of 3D data and engineering documentation. With the new product introductions, XVL files can be securely protected in the same manner as LiveCycle Rights Management's other protected formats, including PDF, Word, Excel, CATIA V5 and others.

"Today's announcement provides manufacturers with advanced document-level protection to collaborate and share intellectual property with more confidence," said Jeff Whatcott, vice president of marketing at Adobe. "This integration with Lattice and Hitachi is strategic to Adobe's commitment to extending the family of important manufacturing file formats protected by LiveCycle Rights Management."

Combining XVL Studio Ver.7.0, XVLstaff, and LiveCycle Rights Management, allows fine grain control of XVL files:

- (1) Access for each user can be specified-Access can be controlled by either by individual or by user-type.
- (2) The operation history of an XVL file can be recorded.-It is possible to see when, by whom, a file was viewed and what kinds of operations were performed, as well as determine if data was accessed correctly.
- (3) Security settings of XVL files can be updated after distribution.-Adjustments can be made to the security settings of XVL files even after their distribution, allowing for changes in individual's roles and business relationships between suppliers

"Global data distribution is now commonplace and the risks of Intellectual Property being stolen or misused have increased accordingly," said Bill Barnes, General Manager, Lattice Technology, Inc., "Adobe LiveCycle Rights Management provides the level of control necessary for our customers product security and XVL Studio Ver 7.0 and XVLstaff ensures that XVL files can benefit from that level of security."

To enable the integration, Lattice and HitachiSoft licensed the necessary software and development tools from Adobe.

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