CIMdata

# PLM Industry Summary

Editor: Christine Bennett

Vol. 10 No. 19 Friday 9 May 2008

## Contents

***Top Story*** ___ ***3***
CIMdata Reports that NC Software Market Grows by 7.2% in 2007 ___ 3

***Acquisitions*** ___ ***4***
Autodesk Acquires Assets of REALVIZ, Developer of Image-Based Content Creation Software ___ 4
Intergraph® Korea Ltd. Acquires TechServer Corp. ___ 5
Sale of PLM Software Division Solidifies Freeborders' Position in the Outsourcing Industry ___ 6

***CIMdata News*** ___ ***6***
CIMdata Announces the Results of its Latest Opinion Poll ___ 6
CIMdata Posts a New Opinion Poll on the Most Important Criteria in Your Company's PLM Evaluation and Selection Process ___ 7

***Company News*** ___ ***7***
Chinese Mechanical Engineering Society Incorporates Algor FEA into National Qualification Exam ___ 7
Mentor Graphics Aligns Product Groups to Address IC Implementation Challenges at 45nm and Beyond ___ 8
Serena Chooses HCL Technologies to Provide End-to-End Software Lifecycle Management ___ 8
Synopsys Invests In Prover Technology ___ 9

***Events News*** ___ ***10***
ASCON to Participate in CAD Conference 2008 ___ 10
AspenTech 2008 User Conferences in Houston and Berlin Highlight Best Practices in Operational Excellence from Global Process Manufacturers Using aspenONE ___ 10
CoWare Establishes Direct Presence in Israel ___ 11
Delcam Crispin to Launch New Software for Orthotics at Orthopadie ___ 12
ESPRIT at Citizen Machinery Private Show, Nagoya, Japan, May 21-22, 2008 ___ 13
ESPRIT at EASTEC 2008 May 20-22, 2008 ___ 13
GibbsCAM 2008 Previewed at EASTEC 2008 ___ 14
Invitation to CD-adapco Houston Office Open Day ___ 15
Management Day at 45th Design Automation Conference Offers Design Managers Valuable Insights from Industry Peers ___ 15
Open Text to Showcase Leading ECM Solutions for Use With SAP at SAPPHIRE® 2008 Orlando Conference ___ 17
PDT Europe 2008 Call for Papers ___ 18
Sescoi to Co-Host 5-axis Workshop at Die & Mould China Show ___ 20
Tribold Plans a Busy TM Forum Management World 2008 ___ 21

***Financial News*** ___ ***21***
Aras Accelerates Global Momentum with Record Sales and Key Milestones ___ 21
Avatech Solutions to Report Fiscal 2008 Third Quarter Results on Wednesday, May 14, 2008 ___ 23
CENIT Confirms Positive Outlook for 2008 ___ 23
EVE Ends Fiscal Year 2008 with 40% Growth in Revenues ___ 24
Magma Reports Revenue of $214.4 million for Fiscal 2008, 20.4 Percent Above Prior Year ___ 25
Moldflow Reports Results from Continuing Operations for Its Third Quarter and Nine Months Ended March 31, 2008 ___ 27
MSC.Software Reports Financial Results for the First Quarter Ended March 31, 2008 ___ 29
Synopsys Announces Earnings Release Date and Conference Call for Second Quarter Fiscal Year 2008 ___ 31

Copyright © 2008 by CIMdata, Inc. All rights reserved.
CIMdata, Inc. 3909 Research Park Drive Ann Arbor, Michigan 48108 Tel: +1 (734) 668–9922 Fax: +1 (734) 668–1957
E-mail: c.bennett@CIMdata.com Web: http://www.CIMdata.com

***Implementation Investments*** ***31***
Active Chilled Beam Cooling Reduces Energy Usage 20% in Northwestern Lab 31
AMCC Uses Flotherm & Flopack to Reduce IC Package Development Cost by Comparing Flip-Chip/Wire Bond Thermal Performance 32
AUDI AG Enters Production in Largest Global Installation of MSC.Software's SimManager 33
Cybernetix's CyxPro® Software for Monitoring Remotely-Operated Systems Integrates Kineo CAM's KCD™ Collision-Detection Library 34
Data Solutions CAD Downloads and Catalog Selected by California Caster 35
Delcam Announces 25,000th Customer 36
DMP Slashes Power 50% in New 3-D Graphics Processor IP Core "PICA200" with Sequence PowerTheater 37
Dyrup Selects IFS Applications to Streamline Business Processes 38
Ellery HomeStyles Chooses NGC's PLM and Global Sourcing Solutions 38
ENOVIA MatrixOne Selected for Air Warfare Destroyer Project 39
ENOVIA SmarTeam Expands Leadership in Mid-Market PLM With New Wins; Over 2,000 New Customers in the Past Year 41
Greentec Fuels Energy-Efficient Home Systems Designed With SolidWorks 41
NEDAP Upgrades to Aton5 42
NEiFusion Selected by LEEVAC Industries LLC to Perform Finite Element Analysis on Vessels and Barges 43
NextIO Standardizes on VMM Methodology and Synopsys VCS for Next-Generation I/O Virtualization Chip 43
PTC Announces Innovation Design Contest Winners 44
Shanhaiguan Shipbuilding Industry Co., Ltd Adopts PTC CADDS®5 Shipbuilding Solution as Its Standard Design Platform 45
Siemens PLM Software Honored as one of Visteon Corporation's Top Suppliers 46
SMU School of Engineering Receives In-Kind Grant With A Commercial Value OF $5.7 Million From Siemens PLM Software 47
Stretch Inc. Uses Arena PLM to Set up the Right Systems and Controls to Take the Market by Storm 47
University of New South Wales Teams With ANSYS to Develop Industry-Ready Work Force 48

***Product News*** ***49***
Ansoft Ships HFSS v11.1 49
Aras Attains Gold Certified Partner Status in Microsoft Partner Program 50
Aras Delivers Version 9 of Advanced Model-based SOA for Enterprise PLM on the Microsoft Platform 51
Autodesk Unveils Autodesk Seek Web Service for AEC Industries 53
BigLever Software Delivers Fully Integrated Software Product Line and Requirements Engineering Solution 54
Bluespec Expands into Japanese Market 55
Flomerics Version 8.2 of EFD Simulation Software Offers Enhanced Usability and Increased Performance 56
LMS Integrates 1D and 3D Simulation for Vehicle Handling 57
LMS Introduces NVH Observer Database with Vehicle NVH Benchmarking Information 57
Maple 12 Delivers Major Innovations in Engineering Analysis and Design 58
McGraw-Hill Construction Extends Building Product Content to Millions of Autodesk Designers 60
Mentor Graphics Announces Partnership with NXP Semiconductors for Design-for-Test Tools and Technology 61
Open Text Enhances the Value of SAP NetWeaver Portal with Market Leading Web Content Management Capabilities 61
Siemens PLM Software Adds Support for the European Reach Regulation to its Teamcenter Suite 62
SoftinWay Unveils Powerful New Solvers for AxSTREAM Turbomachinery Conceptual Design and

Optimization Suite at ASME/IGTI Turbo Expo 2008 63
Spatial and Kubotek Renew Long-term Partnership Agreement 64
STAR-CD V4.06 - Mould Breaking CFD 65
TGrid 5.0 Advances Automatic, High-Quality Meshing Tools for Increased Productivity 66
The MathWorks Introduces Communications Blockset 4 67

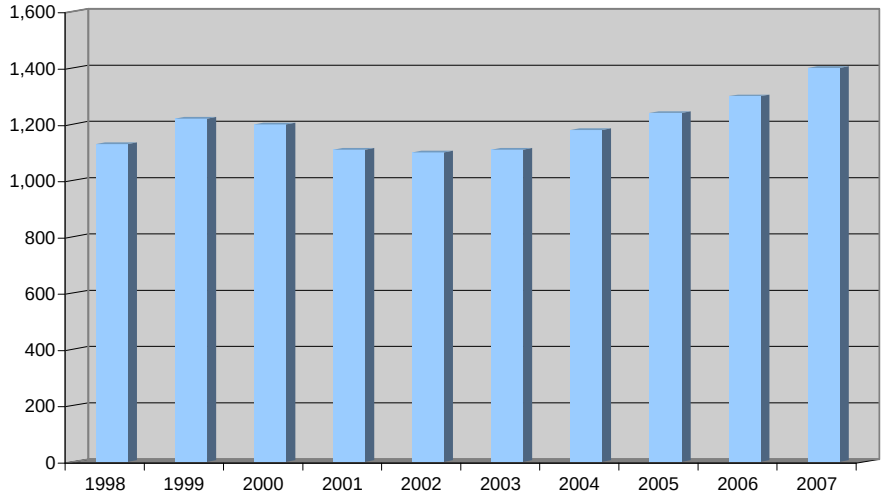
# Top Story

***CIMdata Reports that NC Software Market Grows by 7.2% in 2007***

8 May 2008

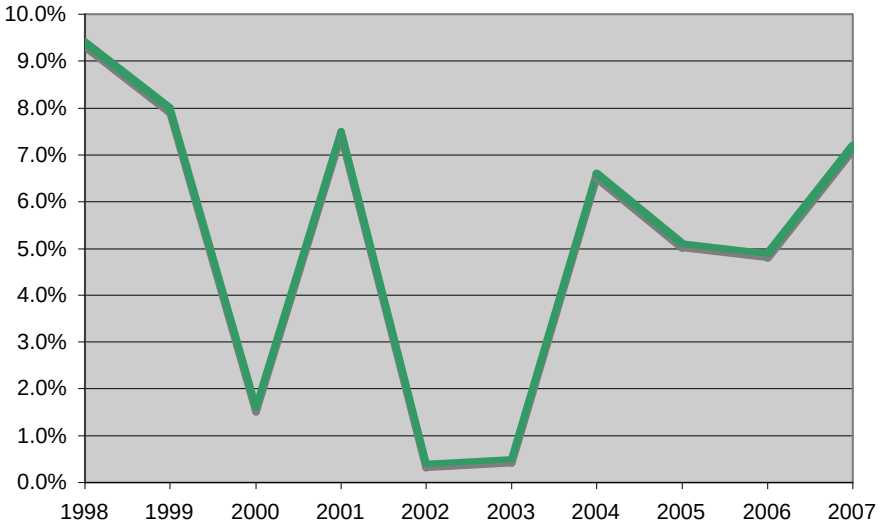
Consulting and research firm CIMdata Inc. estimates that based on end user payments, the worldwide NC software and related services market grew by 7.2% in 2007 to reach a level of $1.4 billion. Moreover, CIMdata estimates that in 2008 these payments will further increase by 7.8% to reach a level of $1.5 billion. If so, this will be five consecutive years with a growth rate of 5% or more. There was no growth from 2000 through 2003 when the NC software market was in a recession.

Since then, this market has shown steady growth as global economies have improved, there has been worldwide growth in sale of machine tools and manufacturing output, greater emphasis is being placed on efficient operation of machine tools as manufacturing firms must enhance their competitive position, and the overall PLM (Product Lifecycle Management) market, of which CAM is a component, has shown strong growth. CAM software purchases are directly related to all of these factors. The size of the NC software and related services market, based on end user payments, is shown in the following chart:




**End User Market for NC Software and Services**
**(US$ Millions)**

The annual percentage year to year growth rate is shown in the following chart. It can be seen that the annual growth rate was on a declining path from 1997 to 2001, but then turned around and has been on an upward path since that time.




**Annual NC Market Growth**
**(Percent Year to Year)**

The above information is contained in Version 17 of the CIMdata NC Software and Related Services Market Assessment Report that soon will be available for purchase from CIMdata. Mr. Alan Christman, CIMdata Chairman and primary author of the report, commented, “Even though the CAM software market (Software to control machine tools cutting parts) is a relatively mature market, it has been active and exciting in the past several years. Some software vendors have had annual revenue growth rates of over 30% per year, a number of significant acquisitions or mergers have been made, integration with other elements of manufacturing software is occurring, new manufacturing areas such as China are emerging, corporations are placing greater emphasis on streamlining manufacturing operations, and the underlying CAM software technology continues to evolve.”

*Click here to return to Contents*

# Acquisitions

***Autodesk Acquires Assets of REALVIZ, Developer of Image-Based Content Creation Software***

7 May 2008

Autodesk, Inc. announced that it has completed the acquisition of substantially all of the assets of REALVIZ S.A., the privately held developer of image-based content creation software. Terms of the transaction were not disclosed.

REALVIZ was founded in 1998 and is headquartered in Sophia Antipolis, France. REALVIZ's technology provides efficient ways to generate 3D content and visual effects from photo imaging and 2D environments. Its products are used for panoramic photography, image-based modeling, match moving and optical motion capture. REALVIZ's flagship products are Stitcher software for the creation of panoramas and 360 degree virtual tours, and ImageModeler software to produce 3D models from photographs.

"REALVIZ's technology bridges 2D and 3D, linking the virtual and real worlds. 3D models can be created from simple 2D images, and virtual environments can be built from conventional photographs,"

said Amar Hanspal, senior vice president, Autodesk Platform Solutions and Emerging Business. "REALVIZ's technology is complementary to Autodesk's modeling, visual effects and animation products. It will enable us to increase the use of 3D technology across many industries, including architecture, film, broadcast and game development."

REALVIZ's clients include Boeing, NASA, Daimler Chrysler, Cinesite, Framestore CFC, Sony Pictures Imageworks, Warner Brothers Animation, Electronic Arts and Activision. REALVIZ technology has been used to create visual effects for Zodiac, The Host, Children of Men, Superman Returns, Harry Potter and the Goblet of Fire and many other blockbuster films.

REALVIZ Product Integration

Autodesk intends to develop and sell REALVIZ's Stitcher Unlimited, Stitcher Express, ImageModeler and Movimento software as standalone products. Matchmover, Retimer and VTour will no longer be available as standalone products; core technology from these REALVIZ products will be integrated into future versions of Autodesk's existing products, enabling customers to bring the real world into design environments.

The following REALVIZ offerings have been discontinued: Stitcher Pro, Stitcher Unlimited DS, StoryViz, and hardware and software product bundles. Education versions of ImageModeler and Stitcher continue to be available. Student versions of ImageModeler and Stitcher are no longer available. For more information please visit http://www.autodesk.com/REALVIZ.

*Click here to return to Contents*

***Intergraph® Korea Ltd. Acquires TechServer Corp.***

6 May 2008

Intergraph® Korea Ltd. has acquired all the shares of TechServer Corp., a Seoul-based software and services company specializing in automated drafting, data exchange and system integration in the shipbuilding, process, power and offshore industries.

The strategic acquisition will complement and enhance Intergraph's SmartPlant and SmartMarine Enterprise engineering software solutions and expand Intergraph's capability to serve its growing Asia-Pacific customer base. Terms of the transaction were not disclosed.

TechServer has extensive expertise in software enhancement and integration services, especially for shipbuilding, which is a key enhancement to the Intergraph's Asia-Pacific marine services center capabilities. TechServer's software automates orthographic drawing in the design of piping, HVAC and raceways. Its e-Draw®, e-Clash Review and e-Weld open solutions will be integrated into the SmartPlant and SmartMarine Enterprise portfolios to deliver increased functionality and improved productivity for Intergraph process and power plant and marine customers.

"The acquisition of TechServer is consistent with our vision of investing in the future growth of Intergraph and, in particular, growth in the ever-important Asia-Pacific region," said R. Halsey Wise, Intergraph President and CEO. "TechServer will provide Intergraph and our fast-growing plant and marine customer base with new capabilities and expanded support in this region."

"Our complementary solutions, resources and cultures will combine to bring added value for all our customers," said TechServer President S.Y. (Simon) Cho. "We are delighted to join Intergraph and to be an integral part of this dynamic, growing company."

*Click here to return to Contents*

***Sale of PLM Software Division Solidifies Freeborders' Position in the Outsourcing Industry***

7 May 2008

Freeborders confirmed the sale of its product lifecycle management (PLM) division to Lawson Software. The terms of the deal were not disclosed.

The PLM software product, developed by Freeborders, helps fashion manufacturing companies source the materials they need to move a product from design to production.

"We are excited that Lawson will remain a Freeborders client as they continue to leverage the successful offshore talent and at the same time the transaction enables Freeborders to concentrate on its core competency as a leading provider of outsourcing solutions from China," said Jean Cholka, Freeborders' Chief Executive Officer. "We continue to take the necessary steps to focus our management and capital resources on the growth opportunities of our outsourcing solutions."

"The sale of the PLM software division allows Freeborders to focus on its outsourcing business as a pure play operation", says Dean Stevens, Spinnaker Advisory Group. "This move clearly shows that Freeborders is serious about their outsourcing business and their new management is making changes to the company that will allow them to compete more effectively".

*Click here to return to Contents*

# CIMdata News

***CIMdata Announces the Results of its Latest Opinion Poll***

CIMdata's latest opinion poll indicates that a significant majority of those responding see their company's PLM effort, including the development of its strategy, being led by one of the following three groups: engineering, manufacturing, or corporate management. While CIMdata is somewhat surprised to see that 38% of the respondents indicated that manufacturing is driving their PLM initiative we are encouraged by this because we believe that this is an indication that many companies understand the value and necessity of accurate and complete product definition information being available to manufacturing. This may also indicate a growing acceptance of digital manufacturing and those PLM enabling solutions that support manufacturing engineering as various computer-aided design and analysis tools have supported product engineering.

It is no surprise that 34% of the respondents indicated that their company's PLM initiative is being driven by engineering. For many years engineering has been the prime driver for the implementation of PDM, CAD, and a number of other PLM enabling solutions.

Finally, it is important to note that the third largest driver was corporate management. This points to a trend that CIMdata has seen for some time; a trend towards companies considering PLM more and more as an enterprise initiative. CIMdata expects this trend to continue as PLM is seen by companies in multiple industries as a true enterprise business strategy.

Who is leading your PLM effort, including the development of its strategy?

| Answers | Votes |
|---|---|
| Corporate Management | 15% |
| Engineering | 34% |
| Manufacturing | 38% |
| Customer Service | 0% |
| Information Technology | 5% |
| Purchasing | 0% |
| Other | 8% |

**NOTE**: The results of these polls are anecdotal, not scientific.
If you have a suggestion for a poll you'd like to see contact us at info@cimdata.com.

*Click here to return to Contents*

***CIMdata Posts a New Opinion Poll on the Most Important Criteria in Your Company's PLM Evaluation and Selection Process***

9 May 2008

There are only fourteen business days left to vote in our current opinion poll: Which was the most important criteria in your company's PLM evaluation and selection process? Voting will close at noon on May 30. Please take a moment to vote right now.

The results of these polls are tabulated as you vote. The results are completely anonymous.

If you have a suggestion for a poll you'd like to see contact us at info@cimdata.com.

*Click here to return to Contents*

# Company News

***Chinese Mechanical Engineering Society Incorporates Algor FEA into National Qualification Exam***

6 May 2008

ALGOR, Inc. announced that the Chinese Mechanical Engineering Society (CMES) has chosen to formally incorporate ALGOR finite element analysis (FEA) software into its national Mechanical Design Engineer (MDE) qualification examination. Students who successfully complete the exam receive certification as a qualified mechanical design engineer, having demonstrated proficiency in using computer-aided engineering (CAE) software – such as ALGOR FEA – to solve engineering problems.

Headquartered in Beijing, China, CMES is a professional society engaged in promoting the art and science of mechanical engineering. CMES sponsors MDE qualification examinations at test centers in provinces throughout China. Earning MDE certification can help engineering students qualify for internships as well as increase career opportunities.

"ALGOR software is a world-renowned CAE tool," said Wei Sun, secretary-general of the CMES. "We

are pleased to incorporate it as one of the training and testing tools in the MDE qualification examination."

According to John Li, Ph.D., ALGOR Director of International Business Development, "The ALGOR China staff is honored to participate in the MDE project because it promotes education and the use of FEA in the international engineering community. Students will soon be able to download ALGOR training materials from the CMES web site and use them to study for the exam. "

For more detailed information, contact an ALGOR account manager or visit the ALGOR web site – http://www.ALGOR.com – or visit the CMES web site – http://www.cmes.org.

*Click here to return to Contents*

### *Mentor Graphics Aligns Product Groups to Address IC Implementation Challenges at 45nm and Beyond*

7 May 2008

Mentor Graphics Corporation announced it has aligned its integrated circuit (IC) implementation product lines under the Design-to-Silicon division to better address the design and manufacturing challenges of 45nm and smaller process nodes. The division, which will be headed by vice president and general manager, Joseph Sawicki, will now include Mentor's IC products: the Olympus-SoC™ place-and-route system, the Calibre® physical verification and DFM platform, and the design-for-test (DFT) product line.

“This change positions Mentor to more effectively help our customers tackle the complex design and manufacturing challenges they are experiencing as ICs move to smaller processes,” said Gregory K. Hinckley, president of Mentor Graphics. “Joe has been instrumental in building the Calibre franchise into a full back-end flow. His leadership and experience will serve the newly aligned organization well as Mentor continues its IC implementation business strategy.”

Sawicki joined Mentor Graphics in 1990 and has held previous positions in applications engineering, sales, marketing and management. He holds a BSEE from the University of Rochester and an MBA from Northeastern University's High Technology Program.

*Click here to return to Contents*

### *Serena Chooses HCL Technologies to Provide End-to-End Software Lifecycle Management*

7 May 2008

HCL Technologies Ltd. ("HCL") announced a significantly expanded partnership with Serena Software, Inc. Further strengthening a seven-year relationship between the two companies, HCL will now provide end-to-end product development, sustenance engineering and release management for Serena® PVCS® Professional and Serena® Dimensions® RM, and will open a dedicated offshore development center for Serena.

"HCL's relationship with Serena has grown substantially in size and strategic relevance," said Sandeep Kishore, SVP, Hi-Tech and Manufacturing at HCL Technologies. "This expanded partnership is testimony to HCL's 360-degree relationship model with ISVs, which renders mutual benefit to both organizations. With an engineering DNA and process rigor to take over complete end-to-end software product development, along with engineering partnerships with a large number of ISVs, we're confident

HCL will help enable Serena to focus on innovative technologies that will boost the company's growth initiatives."

"Considering our long-term relationship with HCL as both a customer and a partner, coupled with the company's high proficiency in offering lifecycle engineering services to ISVs, expanding on our existing partnership was both a strategic move and an obvious progression," said Carl Theobald, SVP, Products at Serena Software.

PVCS Professional is a widely adopted solution in the software configuration management (SCM) industry. PVCS is a comprehensive suite that delivers version, defect, build and issue management, and helps customers reduce development errors, establish repeatable builds and predictable development schedules, and deliver solutions to market faster. Dimensions RM ensures that project teams effectively collect and refine project requirements by allowing enterprises to effectively manage change in requirements during the project lifecycle.

*Click here to return to Contents*

***Synopsys Invests In Prover Technology***

6 May 2008

Synopsys, Inc. and Prover Technology AB announced that Synopsys has invested in Prover, which supplies signaling design automation solutions for engineering the safety critical systems that control trains, switches and signals. The funds will enable Prover to accelerate its research and development efforts and expand its operations in Europe, North America and Asia.

A key part of a modern railway engineering process is signaling design automation, which uses formal verification, a safety analysis method based on mathematical proof. Formal verification is strongly recommended by safety standards organizations such as CENELEC (European Committee for Electrotechnical Standardization), and several leading operators demand it from their suppliers. The reason: formal verification increases safety and quality, and provides more efficient processes for otherwise costly and time- consuming safety testing. It has proven to be a valuable solution for the operator of the Paris metro, which has one of the most complex railway networks in the world.

"RATP (Regie Autonome des Transports Parisiens) and Prover have been working closely together since 2004," said Pierre Chartier, safety director for RATP. "The collaboration has been focused on formal verification of interlocking and CBTC (communication-based train control) systems. By using formal techniques, we hope to reduce costs while maintaining the highest possible level of quality. Prover's experience in the field has made them a valuable partner."

"The growth of signaling design automation in railway systems plays a critical role in enhancing safety and increasing efficiencies in train throughput and cost reduction," said Randy Tinsley, vice president, Strategy & Corporate Development at Synopsys. "Our investment in Prover allows Synopsys to promote the application of technologies traditionally used for designing integrated circuits in different industries."

Having established a broad customer base, Prover's technology solution is well positioned to become the industry standard for specification and automated engineering of interlocking systems. As more attention is being paid to green transportation systems, the railway industry is expected to continue to expand significantly in the coming years. Prover's relationship with Synopsys will enable Prover to take advantage of these growth opportunities.

"Having Synopsys on board enables us to capitalize on opportunities that were previously out of our reach, and to undertake larger and more complex engineering projects," said Gunnar Stalmarck, CEO, Prover Technology. "There is a strong technology alignment with both companies providing the tools needed to engineer increasingly complex systems in their respective fields, and both are considered industry leaders and innovators."

*Click here to return to Contents*

# Events News

### *ASCON to Participate in CAD Conference 2008*

8 May 2008

ASCON Group this year for the first time will take part at the CAD Conference, which take place in Erfurt, Germany, on the 16th of Mai.

Two ASCON representatives - Vladimir Zakharov, R&D Chef, and Irina Voronkina, International Business Development will deliver speeches about the mechanical CAD solution KOMPAS-3D at the conference totally devoted to “CAD and lifecycle of product”. Ten other speakers from Universities, CAD developers and users will also share their experiences in computer-aided design and up to product data management.

During CAD conference visitors and participants of the event will be able to familiarize and test in use the improved version of the solution for Mechanical Computer Aided Design – KOMPAS-3D V9 SP2 at the booth of ASCON. The solution is perfect suited for effective industrial product development, release of design and drafting documentation, parametric 3D solid modelling, full-scale 2D design and drafting, as well as for photo rendering, motion simulation, kinematic and dynamic analysis.

For further information about ASCON, please visit http://www.ascon.net.

For further information about CAD, conference please visit http://www.cad-konferenz.de.

*Click here to return to Contents*

### *AspenTech 2008 User Conferences in Houston and Berlin Highlight Best Practices in Operational Excellence from Global Process Manufacturers Using aspenONE*

6 May 2008

Process manufacturers in energy, chemicals, engineering & construction, pharmaceuticals and other industries shared their process optimization success stories using aspenONE™ at the recent global user conferences of Aspen Technology, Inc. Nearly 1,000 users, AspenTech business partners and process industry experts attended the conferences in Houston and Berlin. Keynote presentations were delivered by Evonik Degussa, BP and Microsoft. Schlumberger, Eli Lilly, Fluor, the National Institute of Standards and Technology (NIST) and dozens of other process industry organizations also presented papers during the conferences.

“No other software industry event that I’m aware of creates an opportunity for sharing of best practices across engineering, manufacturing and process information management,” said Kai Dadhe, keynote speaker at both the Houston and Berlin conferences from Evonik Degussa, a $14.4 billion global specialty chemicals company. “From my involvement with both events it was apparent that the

industry's most forward-thinking manufacturers are gaining tremendous value by applying the latest advances in process optimization solutions to their engineering and operational challenges."

Dozens of customer papers presented during the conferences highlighted how their companies are achieving new levels of operational excellence and more rapid return on investment through:

- Model-based approaches to integrating engineering with manufacturing operations
- Best practices for reducing energy consumption and carbon footprint
- Better use of operating data to guide effective performance management decisions
- Economic evaluation of capital and operating expenses based on process modification
- Collaborative engineering solutions to enable global project execution
- Use of new IT technologies such as virtualization to accelerate speed of enterprise deployment

In addition, AspenTech engineering and manufacturing product experts highlighted new developments and enhancements in the company's flagship aspenONE solution, designed to deliver enhanced ease of use for end users, simplify IT and management for enterprise deployments, and provide deeper levels of process integration across engineering and manufacturing operations.

"It's exciting and inspiring to see the AspenTech community share experiences and successes in support of the common goal of enhanced operational excellence," said Blair Wheeler, Senior Vice President of Marketing, AspenTech. "AspenTech user conferences are highly popular thanks to our customer contributions, which promote sharing of new findings, while establishing an open network of information resources that many customers tap into throughout the year as they foster new relationships both within and outside of their industry segments."

AspenTech's Asia-Pacific (APAC) region will host its user conferences throughout Asia and Australia later this month. For more information on attending an AspenTech APAC user conference, visit http://www.aspentech.com/events/index.cfm.

*Click here to return to Contents*

### *CoWare Establishes Direct Presence in Israel*

9 May 2008

CoWare®, Inc. announced that it has established a direct sales & technical support channel in Israel. In response to the growing need for ESL technologies at systems and semiconductor companies, a local office enables the Company to respond more rapidly to customer requirements as they deploy CoWare ESL 2.0 solutions.

"Israel is an important region for CoWare. Many of our global customers, partners and local fabless semiconductor companies have research and development centers in this region," said Mike Faust, CoWare's vice president of North America and EMEA sales. "With a local presence, CoWare will be able to better serve our customers and continue to grow the business."

"As I experienced during my tenure as a CAD manager at Motorola Semiconductors Israel, design engineers in Israel are very demanding," said Eshel Haritan, vice president of engineering at CoWare. "Back in the early nineties, the transition to RTL in production was considered cutting edge. Today, because of the challenges associated with multi-core designs and the large amounts of embedded

software content, IP, semiconductor, and electronics companies are seeking CoWare's leading-edge technology."

CoWare's new office is located at POB 4433, Caesarea 30889, Israel. The telephone number is +972 4 6361184.

Attend CoWare's ESL Design Solutions Seminar

CoWare is hosting a half-day seminar where attendees will have the opportunity to learn more about how CoWare's customers have been successful using CoWare ESL 2.0 solutions in the areas of Platform Architecture Design and Verification, Software Development and Processor Design.

**DATE**: Wednesday, May 28, 2008

**TIME**: 9:00 – 14:00

**LOCATION**: Dan Accadia Hotel, Herzliya Beach, 46851, Israel. Lunch will be provided.

**TO REGISTER**, visit http://www.coware.com/israelseminar.

*Click here to return to Contents*

### *Delcam Crispin to Launch New Software for Orthotics at Orthopadie*

8 May 2008

Delcam Crispin will launch new software for the design and manufacture of orthotic insoles at the Orthopadie exhibition to be held in Leipzig from 21st to 24th May. OrthoModel is the latest addition to the company's comprehensive range of software for the footwear industry. The highly-automated system provides a complete solution, from the import of scanned data from the customer to the machining of the orthotic, that will produce high-quality insoles for both the comfort and medical markets.

The complete OrthoModel process is driven by a series of menus that incorporate the specific terminology used by the industry to describe the various features of the orthotic. These menus have been developed in association with a number of orthotics manufacturers to ensure that the system can be used by technicians in the industry without any need for training in general CADCAM technology.

The software is also completely "open" in that it can take data from any scanning system or use manual measurements, and can output machining instructions to any milling machine.

Once the customer's details have been imported, OrthoModel includes a full range of options to design the orthotic, including features such as Kirby skive, cobra cut-out, deep heel cups and medial arch flange. Text and logos can be added to the design to engrave customer details and/or company information.

OrthoModel can then arrange a series of orthotics inside a block to give the most efficient use of material and automatically add the machining tabs needed to hold the items in place during machining. The complete set of toolpaths for the group of items can then be created automatically. The resulting toolpaths can be simulated on the computer to check that the results are exactly as required.

Using OrthoModel reduces the time needed to prepare orthotics so giving the faster turn-around times that customers demand. In addition, the use of computer-based design and manufacturing techniques brings the benefits of accuracy and quality to the industry that are already enjoyed by other sectors of

footwear manufacturing.

*Click here to return to Contents*

### *ESPRIT at Citizen Machinery Private Show, Nagoya, Japan, May 21-22, 2008*

7 May 2008

ESPRIT 2008 computer-aided manufacturing (CAM) software will be exhibited by DP Technology at the Citizen Machinery Private Show, to be hosted May 21-22 at Citizen's Machinery's offices in Nagoya, Japan.

With this latest version of ESPRIT, DP Technology celebrates the 10th anniversary of the current generation of the ESPRIT CAM system, which was originally introduced to the market in 1986. Advancements available within this latest release include turning stock automation for lathes, EDM machine specific machining technology, improved 3D machining performance open pocket milling, B-axis turning for 5-axis mill-turn machines, and more.

In addition to increasing the performance of the CAM software, the upgrades available within ESPRIT 2008 and on display at the Citizen Machinery Private Show reduce the time required to produce part programs while increasing the quality of those programs and helping to reduce machining cycle times.

Visitors to the ESPRIT displays can expect demonstrations of the software, as well as interaction with staff from DP Technology's resellers.

*Click here to return to Contents*

### *ESPRIT at EASTEC 2008 May 20-22, 2008*

5 May 2008

The latest version of computer-aided-manufacturing (CAM) software created by DP Technology will be on display May 20-22, when ESPRIT® 2008 will be featured at EASTEC 2008, in West Springfield, Massachusetts.

ESPRIT 2008 will be presented at booth No. 5559 of the major regional trade show, which features advanced technologies, production methods and management concepts, and has been an East Coast manufacturing tradition for close to three decades. Roughly 14,000 visitors are expected to attend the show, where visitors to the ESPRIT booth can expect one-on-one interaction with staff from DP Technology, as well as demonstrations of new software upgrades.

Upgrades available in the new release include turning stock automation for lathes, EDM machine specific machining technology, improved 3D machining performance, open pocket milling, expanded CAD to CAM feature exchange (FX), enhanced KnowledgeBase™ machining (KBM) functionality, and B-axis turning for 5-axis mill-turn machines.

On display at EASTEC 2008, enhancements within ESPRIT 2008 reduce the time required to produce part programs, increase the quality of those programs and help reduce machining cycle times.

*Click here to return to Contents*

***GibbsCAM 2008 Previewed at EASTEC 2008***

5 May 2008

Gibbs and Associates announced that GibbsCAM 2008 will be previewed at EASTEC 2008. This release introduces enhanced capabilities across the entire GibbsCAM product family, along with a complete range of 3-axis milling functionality with support for high speed machining. EASTEC is being held at the Eastern States Exposition Grounds in Springfield, Massachusetts on May 20th – May 22nd, 2008.

"We continue to expand on GibbsCAM's world class production machining capabilities," states Bill Gibbs, founder and president of Gibbs and Associates. "With this release a majority of enhancements have been made to system core, so all GibbsCAM modules benefit from them. This ensures that all customers will receive considerable value with this release. In addition, there are new 3-axis surface machining capabilities that provide more control and flexibility in toolpath generation with integral high speed machining support. The new functionality is keeping with GibbsCAM's tradition of uniquely blending ease-of-use and powerful functionality, a combination that can't be beaten in production machining."

Some of the more significant enhancements in the upcoming GibbsCAM 2008 release are:

- Virtually unlimited undo/rollback capability
- Multiple viewport display capability
- Toolpath tool traversal visualization
- Hidden line toolpath display
- Pre-select highlighting
- Expanded display color management
- Advanced 3D, high-speed machining for SolidSurfacer®

o Support for 3D Material Only

o Support for more advanced tool shapes (tapered tools)

o New types of finishing processes (e.g. Surface Step-over Cut and Steep/Shallow Combination)

o Improved toolpath quality

o Options to provide toolpath that better supports High Speed Machining

o Improved use of boundaries

o Enhanced entry/exit control

o Ability to directly machine Faceted bodies, including imported STL files

o Automatic Core/Cavity detection for inside out or outside in determination

o Operation splitting for tool wear and for optimal length out of holder

o Multi-threaded for multi-CPU machines and to support batch toolpath generation

o Automatic filleting of a surface to avoid sharp concave corners

For more information about GibbsCAM, GibbsCAM's production machining capabilities or to see the

capabilities being introduced with GibbsCAM 2008, go to the GibbsCAM booth, #5429. Information about GibbsCAM is also available at the company's website, http://www.GibbsCAM.com. For information about CimatronE, Cimatron's solution for tooling manufacturing, please visit the Cimatron booth at EASTEC, #5740, or go to the company's website, http://www.Cimatron.com

*Click here to return to Contents*

### *Invitation to CD-adapco Houston Office Open Day*

8 May 2008

To celebrate the opening of their new full-service office in Houston, CD-adapco extends this invitation to an exclusive Open House on Tuesday June 17. The Open House is an opportunity to meet with key CD-adapco personnel, including CD-adapco co-founder and President Steve MacDonald, and to learn about the benefits of using CD-adapco's simulation through a series of technical seminars and demonstrations that will explore:

Computational Flow Assurance: Multiphase Flow, Thermal and Stress Simulation Solutions

Refinery Applications: Combustion, Heat Exchangers, Furnaces, Coking

Sloshing Simulation and Fluid-Structure Interaction

As well as enjoying food, entertainment and networking opportunities, there will be a chance to experience CD-adapco's software first hand, with a series of live demonstrations and hands on sessions.

"CD-adapco has been providing CAE solutions to the oil and gas industry for more than 27 years. Our simulation technology and expertise can provide insight into any problem that involves fluid flow (liquid or gas or combinations of both), thermal behavior, chemical kinetics, and stress and vibration issues-and has been applied at every stage of the oil and gas production process – from exploration to extraction, from transport to processing" says MacDonald. "The new office gives us the opportunity to expand the talented array of people that serve the Houston market and the Oil and Gas Industry as a whole."

Located at 11000 Richmond Avenue in Houston, the office will provide state of the art computing facilities and dedicated customer areas for training and consultancy technology transfer.

According to Steve MacDonald, providing more access to CD-adapco staff is the key reason for opening the office: "We have always prided ourselves on the quality of our people - becoming a CD-adapco customer means more than purchasing world-class software or services; it opens the door to an unrivalled wealth of engineering expertise."

*Click here to return to Contents*

### *Management Day at 45th Design Automation Conference Offers Design Managers Valuable Insights from Industry Peers*

5 May 2008

The 45th Design Automation Conference (DAC) will feature a special Management Day session series on Tues. June 10. This fourth annual event will feature presentations from seven notable leaders of major fabless companies and independent device manufacturers (IDMs), including Intel, Qualcomm, Microsoft and ST Microelectronics. The speakers, whose collective experience touches on today's most complex nanometer chips, will discuss the latest changes in design requirements and share some of their

own trade-off analysis and decision criteria in dealing with issues such as the move to new technology nodes, optimizing for high-volume production, and addressing power constraints. DAC will be held June 8-13, 2008 at the Anaheim Convention Center in Anaheim, Calif. Details are available at http://www.dac.com.

"Participants in this year's Management Day will have a unique opportunity to hear from their peers on the management decision criteria they used in some of their recent design projects," said Limor Fix, general chair of the 45th DAC executive committee. "Yervant Zorian has done an excellent job of lining up a remarkable group of presenters for this year's Management Day and I expect this event will provide participants with practical information they can apply in their own work."

**Management Day Agenda: Session 1 -- 10:30 a.m. to 12:00 p.m.**

Managing Low Power SoC Development on Emerging Technology Nodes

Session Chair: Ron Wilson -- EDN

-- Key Design Challenges of 45nm Intel Atom Low Power Processor

Elinora Yoeli, Vice President, Mobility Group, Intel Corp.

-- 45/40nm Low-Power Design Solutions for Wireless Multi-Media SoCs

Philippe Magarshack, Vice President, Central R&D, ST

Microelectronics, France

-- Challenges that new wireless SOC designs are facing from new

process technology nodes

Charles Matar, Vice President of Engineering, Qualcomm

**Session 2 -- 2:00 p.m. to 4:00 p.m.**

Trade-offs and Choices for Advanced SoCs in High-volume Application

Session Chair: Nic Mokhoff -- EE Times

-- A Case Study of 65nm 5-Million Instances Chip Development

Andrew C. Chang, Vice President Design Technology, MediaTek, Taiwan

-- A 45nm Power Optimized Digital Baseband SoC - An Introspective

Review

Bob Pitts, 45nm Platform Manager, Texas Instruments

-- Graphics Processor for XBOX-360 - Cost Reduction - Design

Challenges and Decision Criteria

Srinivas Nori, ASIC Design Manager, XBOX Silicon Development, Microsoft Corp.

-- From Specifications to High Volume Production

Manuel D'Abreu, Director, SanDisk Corp.

**Session 3 -- 4:30 p.m. to 5:30 p.m.**

Making Critical Decisions for Emerging SoC Development

Session Chair: Peggy Aycinena -- EDA Confidential

• This panel session will include the speakers from the first two sessions and provide the audience an opportunity to communicate directly with the speakers and receive responses to their questions

The Management Day sessions are scheduled for Tues. June 10, 2008 from 10:30 a.m. to 6:00 p.m. The registration fee of $95.00 includes handout materials, refreshment breaks and the closing reception.

Registration

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

*Click here to return to Contents*

***Open Text to Showcase Leading ECM Solutions for Use With SAP at SAPPHIRE® 2008 Orlando Conference***

5 May 2008

Open Text™ Corporation said it will be working with SAP customers to demonstrate how to unlock the ECM potential of their SAP® solutions during the SAPPHIRE® 2008 Orlando conference and the 2008 ASUG Annual Conference. Both events are being held simultaneously this week at the Orange County Convention Center.

Connecting transactional data from SAP solutions with business content is mission-critical. During the event, Open Text experts will be demonstrating solutions that combine the transactional process management functionality of SAP Business Suite applications with comprehensive ECM capabilities from Open Text. Integrating content from multiple sources with transactions in SAP solutions helps organizations accelerate processes, manage content growth and reduce risk.

As a result of its long-standing partnership with SAP since 1992, Open Text delivers ECM extensions that are designed to integrate with and complement SAP solutions, helping organizations reduce risk, increase operational efficiency and drive IT consolidation. Solutions being demonstrated at the Open Text booth include:

• Document Access, Document and Data Archiving for use with SAP applications

• Open Text Extended ECM, an SAP endorsed business solution

• Accounts Payable Automation

• Customer Information Management

• Employee Information Management

• Supplier Information Management

- DoD 5015.2-certified Records Management for content in SAP applications
- Web Content Management extensions for use with SAP NetWeaver® Portal
- Digital Asset Management

Open Text customers and content experts will also lead a series of sessions during the event to give attendees hands-on strategies and best-practice examples for optimizing the use of ECM solutions in SAP application environments. These sessions include:

- ASUG:Transform AP to Focus on Exception Processing, Root Cause Analysis & Prevention, featuring Molex, Monday, May 5, 9:30 a.m.
- Optimizing Global Accounts Payable, featuring Invista, Tuesday, May 6, 11:00 a.m.
- Tax Auditing Made Easy with SAP Document Access, featuring the Coca-Cola Company, Tuesday, May 6, 8:00 a.m.
- SAPPHIRE Partner Track Presentation Unlock the Enterprise Content Management Potential of Your SAP Solutions, Monday, May 5, 12:10 p.m.

"In these challenging economic times, customers in both commercial and public-sector environments are looking for ways to do more with less, improve productivity and enhance customer service," said Patrick Barnert, Vice President, SAP Solutions Group at Open Text. "Our solutions help enterprises bring together all the content related to a particular customer or vendor, including email and Microsoft Office documents, and put it in the context of SAP solutions. This enables accounts payable analysts, for instance, to focus on strategic initiatives rather than tracking down missing documentation."

This year at SAPPHIRE, Open Text is a Pinnacle Awards 2008 Finalist in the award category Software Solutions: Field Engagement. The company is an industry leader in ECM solutions for SAP, leveraging two decades of partnership and co-development, and expertise gained from delivering solutions to more than 2,700 SAP customer sites around the world. Open Text's well-established ECM solutions for use with SAP solutions offers a complete range of capabilities for managing and archiving business documents -- incoming/outgoing invoices, orders, delivery notes, quality certificates, human resources documents – that originate from customers' SAP applications. Open Text's solutions help customers improve the way they manage content from SAP applications to improve efficiency in key processes, manage compliance, consolidate IT systems and reduce costs. Open Text is an SAP software solution partner with solutions that have achieved SAP Certified Integration status. It is the only ECM vendor with solutions that are resold by SAP.

For more information on Open Text's ECM solutions for use with SAP solutions, go to: http://www.opentext.com/products/sap.

Open Text at SAPPHIRE® 2008 Orlando

Open Text will be exhibiting in booth #1472 at SAPPHIRE 2008 Orlando and the 2008 ASUG Annual Conference. For more information on Open Text's participation, go to: http://www.opentext.com/events/event.html?id=6712663.

*Click here to return to Contents*

***PDT Europe 2008 Call for Papers***

8 May 2008

This 'Call for Papers' invites original contributions concerning any of the following specific or general topics, or other related material.
Download call for papers

**Call-for-papers**

Product Data Technology

**PDT Europe 2008**

**September 29th – 30th 2008**

**Hotel Scandic Opalen**

**Gothenburg, Sweden**

**Conference topics and proposed contributions**

**Theme 2008: Product Data Standards – Positioned for Success**

This year, 2008, PDT goes back to its roots. Or forward to where it started. The conference will focus on product data standards. The big difference from where we were 16 years ago is that we will present and discuss standards in use, and how those standards are setting the framework for a successful PLM architecture: STEP is in use for CAD data exchange; PDM schema for PDM data exchange. With PLCS the life cycle is in scope and PLCS is already in production use. STEP AP233, for Systems Engineering data, is yet another very important contribution.

It is time to rethink the strategic importance of product data standards. The SOA revolution has started and is paving the way for STEP and PLCS too. The combination of PLCS and Web services is already used in production. Several large R&D projects are further researching these topics. All this has the potential of transforming complete industries.

**Conference venue**

The conference will take place on September 29 - 30 2008 at Scandic Hotel Opalen, Göteborg, Sweden.

**Programme committee**

- Håkan Kårdén, Eurostep, Sweden
- Uwe Weissflog, Pathway Guidance Europe , Germany
- Ed Miller, CIMdata, USA
- Nigel Shaw, Eurostep, UK

**Key dates**

**April 18** Call for abstract open

**May 19** Abstracts due

**June 02** Abstracts selected, speakers notified

**June 18** Final programme published

**Sept 29-30** Conference in Göteborg

**Abstracts as well as papers should be sent to:**

Eurostep

e-mail: pdt@eurostep.com

**If you have questions please contact conference management:**

Maria Härdig

Project Manager PDT Europe

e-mail: maria.hardig@eurostep.com

Phone: +46 (0)708-681 766

*Click here to return to Contents*

***Sescoi to Co-Host 5-axis Workshop at Die & Mould China Show***

5 May 2008

Sescoi will be showing its WorkNC CAM/CAD software and MyWorkPLAN, its job management system for custom manufacturers, at the Die & Mould China exhibition in Shanghai, which runs from the 12th to 16th May 2008 on stand B-430.

Billed as the biggest die and mold and machine show in Asia, and the second largest in the world, it boasts 1400 exhibitors over 60,000 m2 and expects to welcome over 100,000 visitors.

WorkNC offers 2-axis up to full 5-axis CNC programming. The software is designed for ease of use and provides tools for high speed, efficient and safe machining. Already used by leading automotive companies in China, including Shanghai General Motors and Shanghai Koito Automotive Lamp Company, Sescoi is ensuring rapid return on investment for its customers by providing local sales and support from its team of experienced manufacturing professionals based in its Shanghai office.

To enable visitors to understand the benefits of WorkNC, Sescoi will be co-hosting a joint workshop with OPS-Ingersoll during Die & Mould China. The two companies are also collaborating to provide a series of 5-axis milling demonstrations on an OPS-Ingersoll OPS 550 5-axis machining centre throughout the exhibition. Previous joint workshops hosted by Sescoi and OPS-Ingersoll have been very popular, and delegates have benefited from learning new manufacturing techniques which helped them to improve efficiency and lower costs.

Sescoi’s job management solution, MyWorkPLAN, designed to help engineers to prepare accurate quotations, manage production, and control costs will also be exhibited at the show. It is tailored to the needs of toolmakers, die manufacturers, prototypers and custom manufacturers. By tracking jobs, from quotation to dispatch, it identifies areas where efficiency can be increased and costs saved while reducing administrative effort, producing a valuable contribution to increased profits.

*Click here to return to Contents*

***Tribold Plans a Busy TM Forum Management World 2008***

6 May 2008

TM Forum Management World 2008, being held May 18th-22nd in Nice, France, sees Tribold exhibiting, both speaking at and chairing conference sessions, participating in Catalyst Program demonstrations and waiting for the results of the TM Forum Excellence Awards.

Central to Tribold's physical presence at the event will be its exhibition booth (63) where the company will be showcasing the capabilities of Tribold Product Portfolio Manager™. On May 22nd, Tribold's Chief Technical Officer, Catherine Michel, will be speaking alongside Mario Huterer, Director, Marketing Wholesale and Platform Management, Telekom Austria, in a session entitled: "Integrating Products and Services and Achieving Time-To-Market with the Product Factory". Catherine will also be chairing the product lifecycle management/data management conference session.

As part of its involvement in the TM Forum's Catalyst Program – the 'living lab' that allows multi-company, multi-national teams to collaborate to solve pressing operational issues - Tribold will participate in a number of demonstrations at the event alongside Catalyst Program members including Microsoft, Accenture, CA, NetCracker, Iptivia and Telefónica. Tribold's role in the demonstration is to provide the Product Catalog and PLM capability to enable business led syndication of services to form customer facing product offerings. Tribold Product Portfolio Manager™ receives services published up from the service catalog and will enable the CSP business users to see what services are available to be syndicated.

The Product Manager then uses the Tribold PPM Product Manager screens to "drag and drop" the services onto the product packaging pallet and construct 2 product offerings in real time. The product manager will also to set pricing, market segmentation and SLA details within the product offering. After completing the Product Offer construction, or Service Syndication, Tribold PPM publishes new offers out the downstream systems such as Order Management, SLA Monitoring, Billing & CRM.

Finally, Tribold is proud that Product Portfolio Manager has been shortlisted as a finalist in the Best New Management Product category of the TM Forum Excellence Awards, the winners of which will be announced during Management World 2008.

Simon Muderack, COO and Founder of Tribold Commented: "TM Forum Management World has become a real focal point of the year for Tribold. The event allows us to meet with customers and partners, showcase our products and share our latest thinking with the industry. It's certainly a busy few days, but it's an event we're looking forward to enormously."

*Click here to return to Contents*

# Financial News

***Aras Accelerates Global Momentum with Record Sales and Key Milestones***

6 May 2008

Aras® announced increasing global momentum with record sales, international expansion, and the achievement of key milestones. Strong growth, accelerating adoption, new technology innovation, more

awards & recognition, and a rapidly expanding global presence demonstrate the Aras momentum in the enterprise Product Lifecycle Management [PLM] solution market.

Aras Milestone & Momentum Highlights:

• Over 10,000 Aras Innovator® enterprise system downloads in 79 countries around the world

• More than 4,500 corporate community members are now part of the international

Aras Community Network

• Achieved 180% increase in enterprise subscription package sales in 2007 with corporate wins at strategic accounts over Oracle, PTC, and other conventional PLM system providers

• Received innovative contributions from numerous corporate community members including Motorola, Lockheed Martin, Freudenberg, Delphi, and the US Army resulting in expanded solution functionality and over 30 community projects

• Hired Martin Allemann, former Vice President of European Operations for Agile Software, and expanded operations throughout Europe, Middle East, and Africa [EMEA] with new EMEA headquarters office in Switzerland

• Released Version 9 of the Aras Innovator solution suite for enterprise Product Lifecycle Management [PLM] with comprehensive internationalization capabilities for simultaneous multi-language global collaboration

• Delivered the most advanced – and the most mature – enterprise service-oriented architecture [SOA] for PLM on the Microsoft platform

• Certified for Windows Server becoming the only enterprise PLM solution to ever successfully pass Microsoft's most stringent platform testing requirements

• Attained Gold Certified status in the Microsoft Partner Program becoming the first enterprise open source provider to accomplish the highest level of partnership with Microsoft

"The continued acceleration of our growth is the direct result of the power of the Microsoft open approach and the innovation advantage it provides over the conventional systems vendors in our market," said Peter Schroer, President of Aras. "Product development executives and CIOs are searching for new ways to solve business problems as global economic uncertainty becomes pervasive, and they understand that Aras represents a proven alternative that is significantly more advanced and more cost effective."

Aras provides the Aras Innovator suite of open solutions for enterprise Product Lifecycle Management [PLM] enabling companies to collaborate and innovate more effectively during new product development & introduction to deliver results. Aras Innovator is the most advanced model-based service-oriented architecture [SOA] for PLM and is available exclusively on the Microsoft platform delivering unmatched flexibility to enable companies to deploy quickly and adapt easily while maintaining upgradeability.

Aras solutions provide complete access for unlimited users at no cost. Because there is no charge for the enterprise production-ready software, Aras removes the need for up-front capital and eliminates expensive software licensing requirements for users, modules, and servers. With Aras companies have the control and flexibility of an enterprise open source solution format that empowers IT personnel with Microsoft skill sets.

On May 5, 2008 Aras released Aras Innovator Version 9 with the freely available download at http://www.aras.com

*Click here to return to Contents*

### *Avatech Solutions to Report Fiscal 2008 Third Quarter Results on Wednesday, May 14, 2008*

7 May 2008

Avatech Solutions, Inc. announced it will release its financial results for the quarter and nine months ended March 31, 2008, before the market opens on Wednesday, May 14, 2008. The Company has scheduled a conference call for 11:00 a.m. Eastern Time on the same day.

The dial-in number for the conference call is (888) 713-4211 (domestic) or (617) 213-4864 (international), and enter the passcode (88758159). A replay of the call will also be available through May 21, 2008, and can be accessed by dialing (888) 286-8010 (domestic) or (617) 801-6888, and dialing the passcode (50782613).

A live webcast of the conference call will be available to all investors in the Investor Relations section of the Company's website, http://www.avatech.com. For those who cannot listen to the live broadcast, an audio replay of the call will also be available on the Company's site for a limited time.

*Click here to return to Contents*

### *CENIT Confirms Positive Outlook for 2008*

8 May 2008

CENIT is starting the 2008 business year with considerable investments towards the training of service experts during the first Quarter of 2008, as well as the restructuring of the PLM software and service business. The latter led to a reduction of capacity in the PLM service sector which could not be compensated during the 1st Quarter. The restructuring efforts were necessary after it became clear that major customers would make important order decisions during the 2nd Quarter. To be able to react in a quick and customer-oriented way, CENIT thus made a number of advance investments which will have long-term effects on expected business trends in 2008 (which remain positive) and beyond. Staff and equipment costs rose accordingly. The number of staff increased by 15% to 650 (2007: 565). In marketing CENIT's software solution FileNet System Monitor, our sales partner IBM has further intensified its sales activities. In the business segment Enterprise Information Management, capacity utilization remains excellent. CENIT has launched a training initiative to even better satisfy customer wishes in this segment. There has also been a delay in the startup of the new Value Added Reseller Model of Dassault Systèmes, which was re-launched this year. Here we were unable to achieve the expected sales volume, in part due to technical problems encountered by the administrative sector.

**Overview of 1st Quarter Figures**

After the first three months, Group-wide sales have contracted by 10% to 15.8 m € (03/2007: 17.6 m €). The gross surplus shrank to 13.8 m € (03/2007: 15.6 m €). EBITDA attained 0.6 m € (03/2007: 3.3 m €/-82%). EBIT during the reporting period amounted to 0.33 m € (03/2007: 3.0 m €/-89%). The pre-tax result (EBT) reached 0.54 m € (03/2007: 3.1 m €). The consolidated result was 0.5 m € (03/2007: 2.0 m €). Consolidated EPS (earnings per share) thus derive to 0.05 € per share (03/2007: 0.24 €). The operative cash flow was 0,7 m € (03/2007: 3.4 m €). On the balance-sheet date, the total of bank

deposits and securities incl. current assets amounted to 16.0 m € (2007: 18,3 m €). The enterprise remains debt-free. Incoming orders reached approx. 32 m € (03/2007: 31.7 m €).

**Breakdown of Earnings**

The sales volume in the service sector contracted by 3% to a current 10.7 m € (03/2007: 11,0 m €), making it the strongest contributor to sales with a share of 68%. During the first three months of the current business year, sales of CENIT software amounted to 2.3 m € (03/2007: 3.3 m €/-30%). Thus, approximately 15% of total sales can be attributed to CENIT's proprietary software. Sales of non-CENIT software increased by 21% to 1.9 m € (03/2007: 1.6 m €), thus accounting for 12% of total sales. The hardware business contracted by 49% to 0.9 m € (03/2007: 1.7 m €), equaling approx. 5% of CENIT's total sales.

Holdings – Foreign Subsidiaries

CENIT (Switzerland) AG achieved sales of 1.0 m € (03/2007: 1.0 m €), with EBIT at 0.5 m € (03/2007: 0.6 m €)

CENIT North America Inc. was able to achieve sales of 1.1 m € (03/2007: 1.1 m €), attaining EBIT of -0.03 m € (03/2007: 0.009 m €).

CENIT SRL attained sales amounting to 0.2 m € and EBIT of 0.08 m €.

The CENIT company in Toulouse, France achieved sales of 0.07 m € and EBIT of 0.02 m €.

CAD Scheffler, the company integrated into the CENIT Group since January 2008, has developed as projected, attaining sales of 0.6 m € and EBIT of 0.05 m €.

**Outlook**

At the General Shareholders' Meeting on 30 May 2008, the Executive and Supervisory Boards will propose disbursement to shareholders of a dividend of 50 cents per share and the retention of reserves in the amount of 1.7 m €.

Despite a regressive 1st Quarter, for the business year as a whole we expect a significant increase of Group-wide sales over 2007 levels. Particularly the increased earnings from the sale of CENIT's proprietary software and the global sales cooperation for our software products with our partners IBM, SAP and Dassault should contribute to an improved Group result. In the consulting sector, we expect increased demand from the aerospace industry. The Enterprise Information Management segment already grew at above-market levels in 2007 and will also benefit in 2008 from a positive investment climate for EIM solutions. Our goal is to achieve a sustainable improvement in the operative performance of the Group.

*Click here to return to Contents*

***EVE Ends Fiscal Year 2008 with 40% Growth in Revenues***

6 May 2008

EVE announced it closed its fiscal year 2008 with year-over-year revenue growth of 40% and a compounded annual growth rate (CAGR) of 100% over the last four years.

"We are delighted to announce our remarkable growth, which confirms EVE's position as number one in hardware/software co-verification," asserts Dr. Luc Burgun, EVE's chief executive officer and

president. "This is the result of numerous innovations brought to market, including EVE's Reconfigurable Testbench, Transaction-Level Simulation at several megahertz speed, along with the software debugger connection to CPU via JTAG transactor, and full LVDS emulation."

Today's news comes after EVE expanded its customer base to a total of 57 customers and approximately 300 systems installed worldwide. EVE added multiple new customers in leading industries, including Sony Corporation in digital camera (DSC), LSI Logic Corporation in consumer, and Renesas Technology, Marvell Technology Group Ltd. and Qualcomm Incorporated in wireless.

This historic year saw volume deployment of ZeBu-XXL, an emulation platform with a top speed of 20 megahertz and a maximum capacity of 100-million application specific integrated circuits (ASIC) gates in a small chassis. By interconnecting three boxes, it can be expanded to 300-million ASIC gates. In fiscal year 2008, several multi-box configurations have been installed worldwide.

"The increasing use of software content in SoC designs requires fast validation tools," affirms Lauro Rizzatti, general manager of EVE-USA and worldwide vice president of marketing. "Our ZeBu systems set new performance standards for transaction-based acceleration, challenging the traditional in-circuit emulation approach to become the only viable products on the market to address growing validation problems."

*Click here to return to Contents*

### *Magma Reports Revenue of $214.4 million for Fiscal 2008, 20.4 Percent Above Prior Year*

1 May 2008

Magma Design Automation Inc. reported revenue of $55.0 million for its fourth quarter and $214.4 million for its 2008 fiscal year, both ended April 6, 2008.

"We reached major market and financial milestones this year," said Rajeev Madhavan, chairman and CEO of Magma. "Revenue grew more than 20 percent, new products established greater traction, and products released toward the end of the year were well received."

**GAAP Results**

In accordance with generally accepted accounting principles (GAAP), Magma reported a net loss of $(7.2) million, or $(0.17) per share (basic and diluted), for the fourth quarter, compared to a net loss of $(24.5) million, or $(0.65) per share (basic and diluted), for the year-ago fourth quarter. For fiscal 2008 Magma reported a GAAP net loss of $(30.8) million, or $(0.76) per share (basic and diluted), compared to a net loss of $(61.2) million, or $(1.67) per share (basic and diluted), for fiscal 2007.

**Non-GAAP Results**

Magma's non-GAAP net income was $8.0 million for the quarter, or $0.17 per share (diluted), which compares to non-GAAP net income of $3.7 million, or $0.09 per share (diluted), for the year-ago fourth quarter. For fiscal 2008 Magma's non-GAAP net income was $27.1 million, or $0.58 per share (diluted), compared to the company's non-GAAP net income of $9.0 million, or $0.22 per share (diluted), for the year-ago fiscal year.

Non-GAAP net income for the fourth quarter and full fiscal year of fiscal 2008 excludes the effects of amortization of developed technology, amortization of intangible assets, stock-based compensation, in-process research and development expenses, debt discount accretion, charges associated with losses in equity investments, restructuring charges, acquisition-related expenses and the tax effects of these

adjustments. Non-GAAP net income for the fourth quarter and full fiscal year of fiscal 2007 excludes the effects of amortization of developed technology, amortization of intangible assets, stock-based compensation, in-process research and developed technology, litigation settlement and related legal expenses, expenses associated with lease amendment and related headquarter office relocation, net gain on exchange of convertible notes, debt discount accretion, acquisition-related expenses, cumulative effect of change in accounting principle, charges associated with losses in equity investments and the tax effects of these adjustments.

In the fourth quarter Magma generated cash flow from operations of approximately $2.6 million. The company generated $1.4 million free cash flow (defined as cash flow from operations less capital expenditures).

**Business Outlook**

For Magma's fiscal 2009 first quarter, ending Aug. 3, 2008, the company expects total revenue in the range of $50.0 million to $51.5 million. GAAP net loss per share is expected to be in the range of $(0.38) to $(0.36) and non-GAAP earnings per share (EPS) are expected to be in the range of $0.07 to $0.09. A Financial Data Supplement containing detailed financial information intended to provide guidance and further insight into our business is available online in the Investor Relations section of the Magma website.

GAAP Reconciliation

Magma provides non-GAAP financial information to assist investors in assessing its current and future operations in the way that Magma's management evaluates those operations. Magma believes that this non-GAAP information provides useful information to investors by excluding the effect of some expenses that are required to be recorded under GAAP but that Magma believes are not indicative of Magma's core operating results, or that are expected to be incurred over a limited period of time.

Magma's management evaluates and makes operating decisions about its business operations primarily based on bookings, revenue and the core costs of those business operations. Management believes that the amortization of developed technology and intangible assets, stock-based compensation, in-process research and development expenses, debt discount accretion, charges associated with losses in equity investments, acquisition-related expenses, litigation settlement and related legal expenses, expenses associated with lease amendment and related headquarter office relocation, net gain on exchange of convertible notes, and the tax effects of its non-GAAP adjustments (yielding a non-GAAP effective tax rate of 22.0 percent for fiscal 2008) and other significant unusual items are not operating costs of its core software and service business operations. Therefore, management presents non-GAAP financial measures, along with GAAP measures, in this earnings release by excluding these items from the period expenses. The income statement line items affected are as follows: (1) cost of revenue, licenses; (2) cost of revenue, bundled licenses and services; (3) cost of revenue, services; (4) operating expenses, research and development; (5) operating expenses, in-process research and development; (6) operating expenses, sales and marketing; (7) operating expenses, general and administrative; (8) operating expenses, amortization of intangible assets; (9) operating expenses, restructuring charge; (10) other income (expense), net; (11) cumulative effect of change in accounting principle; (12) tax effect; and (13) net income (loss) per share. To determine its non-GAAP provision for income taxes, Magma recalculates tax based on non-GAAP income before income taxes and adjusts accordingly.

For each such non-GAAP financial measure, the adjustment provides management with information about Magma's underlying operating performance that enables a more meaningful comparison of its

financial results in different reporting periods. For example, since Magma does not acquire businesses on a predictable cycle, management excludes acquisition-related charges, such as in-process research and development charges, to make more consistent and meaningful evaluations of Magma's operating expenses. Similarly, since Magma does not undertake significant restructuring or realignments on a predictable cycle, management would have difficulty evaluating Magma's profitability as measured by gross profit, operating profit, income before taxes and net income on a period-to-period basis unless it excluded these charges. Management also uses these measures to help it make budgeting decisions between those expenses that affect operating expenses and operating margin (such as research and development, sales and marketing, and general and administrative expenses), and those expenses that affect cost of revenue and gross margin (such as product development expenses).

Further, the availability of non-GAAP financial information helps management track actual performance relative to financial targets, including both internal targets and publicly announced targets. Making this non-GAAP financial information available also helps investors compare Magma's performance with the announced operating results of its principal competitors, which regularly provide similar non-GAAP financial information.

Management recognizes that the use of these non-GAAP measures has limitations, including the fact that management must exercise judgment in determining whether some types of charges, such as stock-based compensation relating to stock grants and acquisition related charges, should be excluded from non-GAAP financial measures. Management believes, however, that providing this non-GAAP financial information facilitates consistent comparison of Magma's financial performance over time. Magma has historically provided non-GAAP results to the investment community, not as an alternative but as a supplement to GAAP information, to enable investors to evaluate Magma's core operating performance in the way that management does.

Conference Call

Following completion of the call, a webcast replay of the call will be available at http://investor.magma-da.com/medialist.cfm through May 8, 2008. Those without Internet access may listen to a replay of the call by telephone until 11:59 p.m. PDT on May 8 by calling:

U.S. & Canada: (888) 203-1112, code #8572405

Elsewhere: (719) 457-0820, code #8572405

Copy of this press release that includes financial tables is available at http://investor.magma-da.com/releasedetail.cfm?ReleaseID=307842

*Click here to return to Contents*

***Moldflow Reports Results from Continuing Operations for Its Third Quarter and Nine Months Ended March 31, 2008***

6 May 2008

Moldflow Corporation announced results from its continuing operations for the third quarter and first nine months of its 2008 fiscal year.

Information Dissemination

PLEASE NOTE: In light of the press release issued on May 1, 2008 announcing the signing of a definitive agreement relating to the acquisition of Moldflow Corporation by Autodesk, Inc., the

conference call previously scheduled for 11:00 a.m. Eastern Time today to discuss the results of the third fiscal quarter of 2008 has been cancelled.

Results from Continuing Operations for the Third Quarter and First Nine Months of Fiscal 2008:

• Revenue of $15.8 million for the third quarter, and $46.3 million year to date was up 13% from the corresponding nine-month period of fiscal 2007.

• Total product revenue of $7.5 million for the third quarter, and $22.1 million year to date, was up 6% from the corresponding nine-month period of fiscal 2007.

• Total services revenue of $8.3 million for the third quarter, and $24.2 million year to date, was up 21% from the corresponding nine-month period of fiscal 2007.

• Non-GAAP operating margin of 18% for both the third quarter and year to date was up from 16% for the corresponding nine-month period of fiscal 2007.

• EBITDA of $3.5 million for the third quarter, and $10.0 million year to date was up 25% from the corresponding nine-month period of fiscal 2007.

• Non-GAAP tax rate of 28% for the third quarter, and 21% for the first nine months of fiscal 2008, compare to a non-GAAP tax rate of 13% in the corresponding nine-month period of the prior fiscal year. GAAP tax rate of 95% for the third quarter, and 43% for the first nine months of fiscal 2008, which included a charge of $1.8 million recorded in connection with the Company's ongoing efforts to settle its outstanding Australian tax audit, compare to a tax rate of 14%, which included the effect of a one-time benefit recorded during the corresponding nine-month period of the prior fiscal year.

• Non-GAAP net income from continuing operations of $2.8 million for the third quarter, and $9.2 million year to date, was up 18% from the corresponding nine-month period of fiscal 2007.

• Non-GAAP earnings per diluted share of $0.22 for the third quarter, and $0.74 year to date, up from $0.65 from the corresponding nine-month period of fiscal 2007.

• Net income from continuing operations as reported in accordance with GAAP was $151,000 or $0.01 per diluted share, and included a net charge of $529,000 for share-based compensation expense for the third quarter. Net income from continuing operations as reported in accordance with GAAP was $5.4 million or $0.45 per diluted share for the first nine months of fiscal 2008, and included total net charges of $1.6 million for share-based compensation expenses, and compared to a $6.6 million or $0.57 per diluted share, with net charges of $1.2 million for share-based compensation expense in the same nine-month period of the prior fiscal year, representing a decrease of 17% primarily related to the charge recorded in connection with the Company's ongoing efforts to settle its outstanding Australian tax audit.

• Our operating activities from continuing operations generated $8.6 million of cash during the third quarter and $11.7 over the first nine months of fiscal 2008, which was up from $8.9 million generated the corresponding nine-month period of the prior year.

"We are pleased with our results for the first nine-months of fiscal 2008, which produced revenue growth rates of 13% and EBITDA growth rates of 25% which were in line with the guidance we had been giving for the full fiscal 2008 year. During the quarter, we continued to see strong sales results in our Asia Pacific region and continued traction in sales of our Moldflow Plastics Insight – Enterprise Edition product," commented Roland Thomas, Moldflow's President and CEO.

Thomas continued, "In contrast to our last fiscal year, the third quarter of fiscal 2008 brought a return to our normal seasonal revenue patterns, whereby our third quarter revenues typically decline from that of

our second fiscal quarter. This seasonal impact, combined with an unusually robust result in the same period of prior year, contributed to a challenging year-over-year comparison for our third quarter. Focusing on the nine-month result, however, removes some of this seasonal volatility and highlights the overall progress of the business when compared to last year."

Thomas concluded, "On May 1, Moldflow and Autodesk, Inc. announced the signing of a definitive agreement for Autodesk to acquire Moldflow. We believe there are strong synergies between the two companies and we are very excited about the transaction. The combination of Moldflow and Autodesk product offerings will provide our customers with a wider range of solutions to address the challenges they face in the design and manufacture of their injection molded plastic products. The transaction is expected to close during our fourth fiscal quarter, pending the necessary regulatory approvals. Given the pending transaction, we have suspended our historic practice of providing guidance for future periods."

Use of Non-GAAP Financial Measures

The Company has provided non-GAAP tax rate, non-GAAP net income from continuing operations, non-GAAP net income per diluted share from continuing operations and EBITDA as supplemental measures regarding the Company's operating performance. Our non-GAAP tax rate, non-GAAP net income from continuing operations and non-GAAP net income per diluted share from continuing operations exclude the impact of share-based compensation expense, a tax provision related to the potential settlement of the Australian tax audit and certain non-operational professional fees and, therefore, have not been calculated in accordance with GAAP. EBITDA is defined as GAAP net income from continuing operations plus any interest expense, income taxes, depreciation, amortization, certain non-operational professional fees and share-based compensation expense less interest earned and, therefore, has not been calculated in accordance with GAAP. Moldflow is presenting these measures because management uses this information in evaluating the results of the Company's operations and for internal planning and forecasting purposes and believes that this information provides additional insight into our operating results, as well as enables comparison of these results to prior periods. These measures should not be considered an alternative to measurements required by GAAP, such as net income from continuing operations and net income per diluted share from continuing operations, and should not be considered a measure of our liquidity. In addition, these non-GAAP financial measures may not be comparable to similar measures reported by other companies. With respect to the non-GAAP financial measures for the third quarter and first nine months of the 2008 fiscal year, the GAAP financial measures most directly comparable to each non-GAAP financial measure used or discussed in this press release and a reconciliation of the differences between each non-GAAP financial measure and the comparable GAAP financial measure are included in this press release and can be found on the Investors page of the Moldflow Web site at http://www.moldflow.com/stp/english/investors/index.htm.

*Click here to return to Contents*

***MSC.Software Reports Financial Results for the First Quarter Ended March 31, 2008***

7 May 2008

MSC.Software Corporation reported results for the first quarter ended March 31, 2008. Financial highlights include the following:

Revenue of $61.2 million, an increase of 6% over the first quarter last year,

Maintenance revenue of $33.0 million, up 15% over last year,

Deferred revenue grew to $94.4 million, up 17% compared to $80.6 million at December 31, 2007, and

Cash and Investments increased 10% from $135.0 million at December 31, 2007 to $148.1 million at March 31, 2008.

**REVENUE**

Total revenue for the first quarter ended March 31, 2008 was $61.2 million compared to $57.6 million for the first quarter in 2007. Software revenue for the first quarter totaled $22.0 million compared to $23.0 million for the first quarter in 2007. For the first quarter ended March 31, 2008, maintenance revenue totaled $33.0 million and services revenue totaled $6.2 million, compared to $28.7 million of maintenance revenue and $5.9 million of services revenue for the first quarter in 2007. Foreign exchange favorably impacted total revenue by $5.2 million in the first quarter.

"In the first quarter we saw a number of key customers move from initial pilot installations to global deployments of our enterprise solutions," said Bill Weyand, CEO and Chairman of MSC.Software. "It is clear that our customers see the competitive advantage and excellent ROI value in deploying MSC's enterprise solutions in their global enterprises and simulation enterprise solutions, which represented 28% of total software revenue in the first quarter."

"We are pleased with more consistent growth in maintenance revenue as our installed base of customers continues to see the business value in MSC's solutions, and our consulting services business has stabilized and is delivering value," continued Mr. Weyand. "Product launches scheduled for May and June will provide, in the long term, new business opportunities with our customers, as we build on our foundation and extend simulation to the enterprise."

**REVENUE BY GEOGRAPHY**

Total revenue in the Americas for the first quarter ended March 31, 2008 was $18.5 million, compared to $18.4 million last year. Total revenue in EMEA for the first quarter ended March 31, 2008 was $23.6 million, compared to $19.7 million last year. Changes in the Euro increased EMEA revenue by $2.9 million. In the Asia Pacific region, revenue for the first quarter ended March 31, 2008 totaled $19.1 million, compared to $19.6 million last year. Changes in the Japanese Yen increased Asia Pacific revenue by $2.3 million.

**RESULTS OF OPERATIONS AND EPS**

Total operating expenses for the first quarter ended March 31, 2008 were $53.7 million, compared to $59.4 million last year, a decrease of 10%. Total operating expenses were increased by $2.6 million due to the impact of foreign currency exchange. The operating loss for the first quarter was $4.5 million, which compares to an operating loss of $13.4 million in the first quarter last year. Last year's operating loss included $7.1 million of restructuring charges. The loss from continuing operations for the quarter totaled $2.2 million or ($0.05) per diluted share, compared to a loss from continuing operations of $6.4 million or ($0.15) per diluted share in the first quarter last year.

**GUIDANCE**

At this time the Company will not issue guidance. The Company will continue to evaluate its decision to provide guidance in the future.

**CONFERENCE CALL**

The Company will host a conference call to discuss the first quarter financial results today at 1:30 pm

pacific (4:30 pm eastern). The first quarter conference call will include a slide presentation that can be downloaded at: http://www.mscsoftware.com/ir/. The conference call can be accessed by web cast at: http://www.mscsoftware.com/ir/ or by dialing in to (800) 374-0151 for US callers or (706) 634-4981 for international callers. To participate in the live conference call, use the following conference ID code: 43801658.

An archived version of the conference call will be available at http://www.mscsoftware.com/ir/. The teleconference replay will be available for 48 hours and can be accessed by dialing in to: U.S. (800) 642-1687 or Intl. (706) 645-9291 using the conference ID code: 43801658.

Financials

*Click here to return to Contents*

### *Synopsys Announces Earnings Release Date and Conference Call for Second Quarter Fiscal Year 2008*

6 May 2008

Synopsys, Inc. announced it will report results for the second quarter fiscal year 2008 on Wednesday, May 21, 2008, after the market close.

A conference call to review the results will begin at 2 p.m. PT (5 p.m. ET) and will be hosted by Aart de Geus, chairman and chief executive officer, and Brian Beattie, chief financial officer.

Financial and other statistical information to be discussed on this conference call will be available on the corporate website at http://www.synopsys.com/corporate/invest/invest.html immediately before the call. A live webcast will also be available on this site. Participants should access the live webcast at least 10 minutes prior to the start of the call. A webcast replay can be accessed on the corporate web site beginning Wednesday, May 21, 2008, at approximately 5:30 p.m. PT. The replay will remain available until Synopsys announces its third quarter results in August, 2008. In addition, a dial-up replay of the conference call will be available beginning May 21, 2008 at 4:00 p.m. PT, ending on June 4, 2008. The replay telephone number is USA (800) 475-6701, and International (320) 365-3844 , Access Code: 921713.

*Click here to return to Contents*

# Implementation Investments

### *Active Chilled Beam Cooling Reduces Energy Usage 20% in Northwestern Lab*

9 May 2008

An active chilled beam cooling system played a key role in delivering an expected 20% reduction in cooling and ventilation energy consumption at the new Genomic Science Building at the University of North Carolina (UNC) in Chapel Hill, North Carolina. The system was developed by Affiliated Engineers, Inc. (AEI) in collaboration with the project architect, Skidmore, Owings, and Merrill LLP (SOM). Engineers at Affiliated Engineers, Inc. (AEI) used Flomerics' Flovent computational fluid dynamics (CFD) software to optimize the cooling system and maximize the energy savings.

The Genomic Science Building is a $125 million research laboratory that will provide approximately 210,000 square feet of modern classrooms, laboratories and offices including nine wet labs, four

bioinformatics labs, a 250 seat lecture hall, a 450 seat lecture hall, an 80 seat classroom, and four 30 seat seminar rooms. The projected construction start date is February 2009 and the projected construction completion date is February 2011.

“AEI was looking at ways to improve energy efficiency for the building,” Talbert said, “and chilled beams can be very promising in laboratories with equipment driven loads.” To evaluate the viability of this approach, AEI needed first to determine the type and size of chilled beam system that would be needed to cool the laboratory and then estimate the amount of energy that this system would consume.

AEI used Flovent CFD to simulate the operation of the HVAC system. “We selected Flovent software because it has the capability to model complex heating and cooling systems and provides the temperature and airflow feedback necessary to determine the effectiveness of the system design,” Talbert said. “Flomerics also provides support representatives who are not only knowledgeable about the software but are also experienced in addressing the challenges of designing HVAC systems.”

In lieu of modeling a whole laboratory, a representative laboratory bench module was selected in order to reduce input and simulation time. An active beam cooling system was modeled which has two airflows, the airflow that is forced through the beam nozzles and the airflow induced by the lower temperature and negative pressure in the beam. His goal was to design an active chilled beam system that would meet the temperature requirements for the space while reducing overall energy consumption. A variety of active beam scenarios were analyzed and a design that met this objective was identified.

AEI then used the resulting chilled beam capacities and ventilation requirements to inform the input to an annual energy consumption simulation for the laboratory space. In addition to the chilled beam and ventilation system descriptions, the energy simulation includes annual operational schedules, internal loads, and weather data. The energy analysis predicted that the energy consumption of the laboratory conditioning systems will be about 20% lower than a baseline comparison for conventional designs based on American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE) Standard 90.1-2004. These improvements played a key role in the energy-efficient design of the new building, which is being designed to obtain a Silver certification rating under the Leadership in Energy & Environmental Design® (LEED) program from the United States Green Building Council when it is completed.

*Click here to return to Contents*

### *AMCC Uses Flotherm & Flopack to Reduce IC Package Development Cost by Comparing Flip-Chip/Wire Bond Thermal Performance*

8 May 2008

Flomerics announced that the Package Engineering Group from Applied Micro Circuits Corporation (NASDAQ: AMCC) is using Flotherm thermal simulation software to significantly reduce the cost of packaging and the project resource cost for a new family of ICs. AMCC achieved these outstanding results by comparing flip-chip and wire bond thermal performance early in the design process.

“Thermal simulation helps us improve the targeted performance to cost ratio of our leading dual port 10Gbps Ethernet PHY family, the QT2225 and QT2235, by enabling us to optimize the tradeoff between thermal performance and packaging cost at an early stage of the design process,” said AMCC® Packaging Engineer Mark Patterson. “The ability to generate thermal models of ICs in less than an hour removed the barriers of simulation complexity and time/resource constraints at the early stage of our design process.We use Flotherm for thermal simulation because it makes it easy and convenient to

model different package styles and types."

A key advantage Flomerics brings to its customers is greatly reducing the time required to model the package design alternatives using the Flopack website. By simply defining the key parameters of the chip including the package size, die size, number of balls, number of metal layers in the package and power dissipations, the Flopack web site then created detailed thermal models of each type of package in a fraction of the time that would have been required to model the geometry from scratch or using alternate solutions.

On nearly every new product, AMCC also uses thermal simulation to create a design guide that provides customers with detailed thermal performance information under specified conditions. A typical design guide is a detailed engineering document that makes it clear to customers what is required to keep the chip cool under a wide range of conditions. AMCC also creates compact models for most of its products. These compact models provide a quick and simple prediction of the component's response to changes in airflow, temperature, and pressure. AMCC provides these models to customers who incorporate them into Flotherm models that they then use to predict the thermal performance of their complete systems.

*Click here to return to Contents*

### *AUDI AG Enters Production in Largest Global Installation of MSC.Software's SimManager*

7 May 2008

MSC.Software announced that the automotive manufacturer AUDI AG has further extended their existing simulation management environment, going into full-scale production with MSC.Software's SimManager Enterprise offering. The system of Audi represents the largest global installation of SimManager Enterprise to date, helping multiple engineering groups within Audi as well as their supplier community to accelerate the vehicle development process of Audi and improve their insight into system level functional performance.

The Audi SimManager system highlights the scalability of SimManager to support the simulation requirements of global engineering enterprises. SimManager Enterprise manages currently more than 180,000 simulations, with up to 850 new simulations created per day and enables collaboration amongst 400 internal and external users on all new vehicle multi-discipline programs, for Crash, Pedestrian Safety, Occupant Safety, Head Impact and NVH engineering disciplines. The system provides secure, managed access to currently over 20 million simulation content objects and provides an audit trail for each one that documents how they were created. Manually intensive tasks such as model assembly, post-processing and report generation are automated in SimManager, allowing Audi to run more simulations per vehicle and effectively use CAE to improve vehicle performance and innovate. To validate the production readiness of SimManager, the Audi system was exhaustively tested against the unique performance and scalability demands of simulation.

"We have adopted MSC.Software's enterprise solutions including SimManager because the competitive advantage of simulation process management is clear," said Dr. Michael Holzner of Audi. "With SimManager, we manage and automate our simulation processes and methods, allowing us to integrate functional performance information earlier on in the design process. The results show that we increase the through put of simulations by 35% with the same amount of people."

SimManager Enterprise allows automotive and other manufacturing organizations to harness and fully exploit both the large quantities of simulation content for their inherent knowledge. This is crucial in

high value product development. SimManager Enterprise is designed to complement existing PDM and PLM systems, saving time and cost with easy integration of simulation content within the existing IT infrastructure. Additionally, SimManager goes beyond traditional data management approaches in additionally enabling process-based automation of the required simulation tasks.

An effectively managed simulation environment supports the engineering in two ways. Firstly the standardization, automation and robust execution of simulation processes using repeatable and reliable simulation processes effectively enables more simulation throughput with guaranteed best-practice quality. Secondly, content management capabilities enable the analyst to easily find, re-use and share simulation information within collaborating workgroups as well as across remote departments, production sites or the extended supply chain. This is evident in the new Audi deployment with the production scale SimManager environment.

"Global manufacturing organizations face significant challenges in effectively managing their simulation environment, and a highly functional simulation capability alone is no longer sufficient in order to extract maximum production and commercial benefit from their technology investments," said Amir Mobayen, Executive Vice President for Worldwide Sales and Services, MSC.Software "We are proud of our strategic working relationship with Audi that has led to this simulation industry breakthrough. SimManager is the only proven enterprise scalable solution for managing simulation content."

*Click here to return to Contents*

***Cybernetix's CyxPro® Software for Monitoring Remotely-Operated Systems Integrates Kineo CAM's KCD™ Collision-Detection Library***

9 May 2008

Cybernetix and Kineo CAM announce the integration of KCD™ with the V2.0 release of CyxPro®.

CyxPro® V2.0 is the new software platform for graphical monitoring of remotely-operated systems from Cybernetix. CyxPro® aims to ensure the supervision of complete remotely-operated units such as robots, manipulator arms, cranes, vehicles, automates, tools… in a generic manner and through a single interface.

Due to its advanced functionalities, in particular the 3D graphical interface, the creation of intervention scenarios, the anti collision and the training in virtual scenes, CyxPro® is today the de-facto standard platform for the monitoring of remotely-operated cells.

CyxPro® V2.0 was created to address a wide range of user cases for complex remote handling operations whose scenes of intervention can be forecasted and modeled; Nuclear Industries, Oil, Aeronautical, Fret are primarily targeted markets for CyxPro® V2.0.

"It was important for us to rely on a collision detector which is both fast and robust" explains Eric Auschitzky, Nuclear BU Director. "We did a careful comparison of available options and selected KCD™".

KCD™ is the high efficiency collision detector from Kineo CAM. It comes as a software library, which allows an easy integration through its C++ programming API.

Using 3D geometrical data, KCD™ compares two lists of geometrical objects and quickly returns a series of data to answer the following: Are there possible collisions? If so, where are they located? If

not, what is the distance separating them (estimated or exact)?

“Users from more than a hundred companies from Japan to the United States already rely on KCD™ as part of its integration into 3D CAM-CAD software from major software vendors” said Laurent Maniscalco, CEO of Kineo CAM; “Nevertheless its integration within CyxPro® 2.0 is exemplary due to the fact that KCD™ is being used similarly to a real robot: we are moving toward real time and embedded world, another challenge our R&D is taking on”.

About Cybernetix

Cybernetix is a world leader in robotics of complex systems in hostile environment. Created in 1985, the company relies on more than 150 engineers and technicians to answer business needs with strong competence in the fields of mechanics, electronics, automation, vision and data processing.

The main markets of Cybernetix are Nuclear dismantling and maintenance, monitoring and control of oil production, non-destructive testing (Tire manufacturing, Pharmaceutical manufacturing, Foundries), control of infrastructures (Railway) and protection (Defense).

CyxPro® V2.0 is available as of April 2008.

About Kineo CAM

Kineo Computer Aided Motion “Kineo CAM” is the independent software developer of the worldwide leading technology for automatic motion and path planning, KineoWorks™.

The main market of Kineo CAM is Mechanical Computer-Aided Design and Manufacturing. In this area, the large range of solutions, from stand-alone to fully integrated software, enables digital mock-up users to save money, shorten development time and increase quality in Product Design (validation of mechanical mounting/dismounting) and Process (simulation of operations in cluttered 3D environments).

*Click here to return to Contents*

### *Data Solutions CAD Downloads and Catalog Selected by California Caster*

6 May 2008

Catalog Data Solutions (CDS) announced that California Caster, Inc. has adopted its CAD model download and Catalog solution.

California Caster, based in San Francisco, California, specializes in casters, wheels, levelers, glides, mounts, and material handling equipment for OEM, Industrial, Institutional and office use. Responding to customer requests for CAD models of its products, California Caster has decided to offer 3D CAD models for download from its website. “We frequently get requests from customers for CAD models,” said Mike McClure, General Manager of California Caster, Inc. “By adding 2D/3D CAD drawings/models to our website, we are able to save design engineers valuable time in meeting their product design deadlines and as a result we expect to see an increase in the number of online sales leads and RFQs.”

“We are delighted to have been selected by California Caster for our leading online CAD model download and digital Catalog solution”, 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. Conversely suppliers without 3D models on their website are at risk of losing customers to their competition who do offer 3D models”.

*Click here to return to Contents*

***Delcam Announces 25,000th Customer***

6 May 2008

Delcam announced that the company recently added its 25,000th customer, JR Automation Technologies, LLC, a special machine developer based in Holland, Michigan. The order was for six seats of the FeatureCAM feature-based machining software.

JR Automation was founded in 1980 and has grown to become one of the leading special machine companies in the Mid-West USA, with an annual turnover of more than $40 million. Today, more than 160 employees occupy a 120,000 square foot facility in Holland, Michigan. JR designs and builds lean manufacturing systems, for metal welding, assembly, testing, fabric wrapping and material handling, including robotic welding and assembly solutions. Its customers include some of the world’s leading automotive, consumer goods, and office furniture manufacturers.

The decision to use FeatureCAM in place of JR’s previous manufacturing software was prompted by the arrival at the company of Fabrication Manager, Jason Metzger. He had first purchased FeatureCAM some three years previously while working for a smaller automation firm. At that time, Mr. Metzger had undertaken a very extensive search of the CAM software that was available and affordable for his company. He selected FeatureCAM because of its compatibility with the company’s design software, its ease of use and its robustness for both 2D and 3D machining applications.

In December 2007, Mr. Metzger moved to JR, where he was tasked with improving his new employer’s manufacturing processes. One of his first discoveries was regular bottlenecks in converting the machine designs into manufactured parts because the NC programs were taking too long to create. Furthermore, the toolpaths were not very efficient so machine tool productivity was suffering.

With his previous experience of FeatureCAM, Mr. Metzger was convinced it could provide a more efficient solution so he arranged a demonstration for JR’s Purchasing Manager Joel Cooper and the company’s programming team. This soon made it clear that FeatureCAM was a much more efficient product, not only compared with the program the team was currently using but with the supplier’s recently-acquired specialist machining software as well. An obvious advantage was the ease of use of the FeatureCAM software. This was in marked contrast to the existing software, which was complicated to learn and to use.

JR now has a seat of FeatureCAM next to each machine tool control in its manufacturing cell. This provides easy monitoring of the machine, while the operator is programming the next part. The expected time savings have quickly been realised. “With the advanced feature recognition in FeatureCAM, programming time on the plate components for our machinery has been reduced from an hour to 20 minutes or less,” reported Mr. Metzger.

*Click here to return to Contents*

***DMP Slashes Power 50% in New 3-D Graphics Processor IP Core "PICA200" with Sequence PowerTheater***

7 May 2008

Digital Media Professionals Inc. (DMP), a leader of 3-D graphics solutions, headquartered in Tokyo, Japan, has achieved a 50 percent reduction in power for their latest offering using Sequence Design's PowerTheater.

DMP's PICA200 is an advanced, fully customizable multiprocessor design optimized for consumer applications including mobile devices, and has unmatched 3-D graphics capabilities while reducing overall system memory requirements.

"Power usage is an important consideration for these devices," said Wataru Yokozeki, Business Development Director of DMP. "PowerTheater's ability to analyze power at a high level has proven to be immensely valuable by allowing us to optimize our architecture to maximize power reduction. We also found its vector and peak power analysis particularly useful during the design of this core, we could eliminate power-bugs using these capabilities."

According to Yokozeki, they were able to seamlessly integrate PowerTheater into their existing design flow, and he cited the tool's ease of use and advanced visualization capabilities as a major benefit. "Partnering with Sequence for power analysis and optimization has contributed greatly to the success of PICA," he said.

"World-class design teams can take advantage of PowerTheater's advanced RTL power analysis features today, just as DMP did," said Hiroshi Ishikawa, General Manager of Sequence Design, KK. "Our customers worldwide are using this technology to routinely achieve similar results."

About PowerTheater/PowerTheater-Explorer

PowerTheater is a RTL power analysis and power prototyping solution with the singular ability to accurately analyze power at RTL and support power management techniques such as voltage islands, mixed voltage threshold, power gating, and clock gating. PowerTheater recently added support for the Si2 CPF standard along with the following new features:

- Control all aspects of running PowerTheater through a single Tcl-based command file.
- Identify high power windows utilizing comprehensive simulations from hardware accelerators.
- Compute full-chip, gate-level power efficiently using RTL simulations.
- Prevent voltage-drop related test and functional failures by automatically identifying critical vectors from multiple simulations.

PowerTheater-Explorer adds state-of-the art power visualization and debug features for fast, interactive RTL power analysis. A new SmartSource Viewer allows designers to determine hot spots in the design, to visualize, debug and interactively analyze a design's power consumption. The hierarchical RTL power tree display shows hot spots that can be cross-probed to schematics, showing connectivity and indicating how activity is moving through the design and how instances impact one another. These results can be displayed and analyzed at RTL, gate, or mixed levels of abstraction. SmartSource also provides a dedicated view of the clock tree for fast analysis and tracing of clock nets in the design.

For more information, visit: http://www.sequencedesign.com/solutions/powertheater.php.

*Click here to return to Contents*

### *Dyrup Selects IFS Applications to Streamline Business Processes*

6 May 2008

Danish paint and wood care product supplier, Dyrup A/S, has selected IFS Applications to standardize critical business processes throughout the group. In combination with other strategic projects being implemented by the group, the new enterprise applications will contribute to considerably improved profitability for Dyrup. The contract includes consulting services and software licenses for 300 users as well options for an additional 500 users.

Dyrup A/S, whose goal is to become one of Europe's leading suppliers of wood care products, is represented in a number of countries through its own stores and via distributors. To improve the company's profitability, Dyrup initiated in 2007 a range of strategic projects to harmonize corporate processes and enable better analysis, management and control. The introduction of a new ERP solution is a prioritized project in this context.

The solution from IFS is a complete enterprise applications suite with components for product development, CRM, sales and distribution, operations planning, purchasing, manufacturing, warehouse management and financials.

"We are in the middle of a major change process that will modernize our business processes. We found well documented support for this in IFS Applications, which is agile, future-oriented, and very user-friendly," Erik Holm, managing director of Dyrup A/S, said.

IFS has invested in the chemicals industry for many years and offers industry-specific functionality that supports critical business processes such as batch processing, recipe handling, quality assurance, and demand planning. The enterprise applications also include a complete solution for asset and product lifecycle management.

"IFS have documented success in our industry. Good references and proven business-critical functionality with a comprehensive solution that provides total support for our operations were the most important reasons why we chose IFS to replace our BPICS solution from INFOR," Holm said.

IFS customers in the chemicals industry include DuPont, Jotun, Flint Group, Willamette Valley Company, Akzo Nobel, and Becker Industrial Coatings.

"Our ambition is to increase our market share in this industry. The agreement with Dyrup shows that our applications and competence are in demand. In addition, it is pleasing for IFS in Scandinavia to see that our investment in Denmark is bearing fruit after the opening of our new office in Ørestad," Glenn Arnesen, managing director of IFS Scandinavia, said.

About Dyrup

Dyrup A/S, which is wholly owned by Monberg & Thorsen A/S, is a European supplier of quality solutions for wood care and painting. The products are developed to protect, preserve and beautify rooms and surfaces.

In 2007, Dyrup reported revenue of DKK 1.7 billion.

*Click here to return to Contents*

### *Ellery HomeStyles Chooses NGC's PLM and Global Sourcing Solutions*

6 May 2008

NGC® (New Generation Computing®) announced that Ellery HomeStyles, LLC has selected NGC's e-PLM and e-SPS software for Product Lifecycle Management and global sourcing.

Ellery HomeStyles, headquartered in New York City, is one of the industry's largest and most established home fashions suppliers, providing major retailers with private label and branded products. However, the company's rapid growth made it increasingly difficult to manage the product development lifecycle using current methods.

"Ellery prides itself on using the latest technologies to make our business more efficient, and we could no longer effectively manage our product development," said Budd Goldman, president, Ellery Homestyles. "We realized it was time to find a new solution that could provide visibility into the product lifecycle, improve delivery times, streamline communications with our international offices, and reduce errors."

Ellery initially thought that only a new ERP system could provide the advanced functionality that the company required - but soon discovered that NGC's web-based PLM and global sourcing software provided the right solution, without the expense and prolonged deployment of a large-scale ERP implementation.

Together, e-PLM and e-SPS will enable Ellery to reduce time to market and improve product quality through centralized data, a streamlined workflow, exception management with automated alerts, and enhanced collaboration with remote offices and trading partners. NGC's software provides the end-to-end visibility that Ellery needs - from design concept through production to receipt at the DC - in a seamless, easy-to-use application. Benefits include:

• Rapid ROI. e-PLM and e-SPS will provide a rapid return on investment (ROI) by optimizing the product development lifecycle through standardized business processes. This will enable Ellery to greatly shorten the timeframe from design concept to production, reduce errors and chargebacks, and speed deliveries to its customers, which include many of the industry's most successful retailers.

• Easy integration, reduced IT expenses. NGC's PLM and Global Sourcing solutions are designed to seamlessly integrate with Ellery's existing systems. "NGC's software fits in perfectly with Ellery's commitment to best-of-breed technologies," said David Reel, CIO, Ellery HomeStyles. "By selecting NGC, Ellery can extend the life of our existing ERP system and get all the advanced functionality that we require."

• A platform for growth. The advanced functionality of e-PLM and e-SPS provide a solid foundation for Ellery's continued expansion. "NGC's solutions provide a platform that will help drive future growth for Ellery HomeStyles," Goldman said. "With PLM and global sourcing, Ellery is making a strategic investment in the continued success of our company."

"Ellery HomeStyles is one of the best-known and most successful home fashions companies, with a long and distinguished history," said Alan Brooks, president, NGC. "NGC looks forward to helping them quickly reap the benefits of our integrated PLM and global sourcing solution."

*Click here to return to Contents*

### *ENOVIA MatrixOne Selected for Air Warfare Destroyer Project*

8 May 2008

CONCENTRIC Asia Pacific and its joint venture partner Imag Australia have announced that the “One

Version Of Truth" product, ENOVIA MatrixOne, has been selected for Australia's largest defence project – the Air Warfare Destroyer (AWD) Project.

ENOVIA MatrixOne is a scaleable enterprise-wide document management-collaboration solution from Dassault Systemes. The multi-phase implementation program over the next few years will encompass data management, configuration management and project management over the life of the Hobart class Air Warfare Destroyer project - from the current early stages of the build phase to end of life (EOL).

Key features of ENOVIA MatrixOne include Process Management (managing access to who, how much, and when; automated notification of critical milestones, (electronic) sign-off and approval of corporate data; standardisation and enforcement of corporate policies/processes) Data Vaulting of both Metadata and Physical Data (central location for corporate information and IP assets; secure repository) Integration with Microsoft Office products, ERP and MRP systems, and engineering MCAD and ECAD systems and Collaboration (customer input early in the process; tracking and management of customer requirements; supplier quality management; supplier input through process involvement; global access to corporate information).

ENOVIA MatrixOne will provide a major depository for information from the AWD Alliance members – ASC, Raytheon and the Defence Materiel Organisation – and a collaboration tool for information sharing across the globe.

Robyn Lloyd, the CONCENTRIC Director of Technology and Managing Director of Imag Australia, says ENOVIA MatrixOne will provide the alliance with complete visibility of data and processes.

"ENOVIA MatrixOne includes knowledge retention and reuse, document control and traceability, collaboration with suppliers and customers, management of project milestones and deliverables, and the management of IP assets. And, it is a scaleable solution which can be expanded in the future as required."

"AWD is one of a growing list of leading defence organisations to adopt ENOVIA MatrixOne. The solution is already in use with the Collins Submarine Combat Systems Program Office (SMCSPO), Tenix, Raytheon Naval Systems Division, Boeing and at Australian Aerospace."

"From the soon-to-retire F-111's, which are maintained by Boeing Australia, through to the Collins class submarines and the new ARH-90 Tiger helicopters, ENOVIA MatrixOne is the information management and collaboration backbone of these complex operations, making sure that vital information is instantly accessible and able to be shared amongst the various stakeholders with ease", adds Ms Lloyd.

AWD Alliance PLM Implementation Project Manager, Alan Ogden, adds that, "The AWD Alliance PLM Implementation Project team has completed the initial deployment of the Enovia MatrixOne PLM software tool to support the current round of AWD Combat System procurement activities. The system will be used to register, manage and review documentation received in response to requests for tender. "Over the next few months we will deliver a more complex Document & Configuration Management capability as well as Contract and Deliverable Item management. When fully implemented, the system will be used to mange product build structures and baselines for the HOBART Class and integrate with the AWD manufacturing and logistics data management systems.

"The PLM system will be used for the duration of the AWD Build Phase Project and will support the transition to the Through Life Support Phase of the AWD Program. The AWD PLM Implementation project team are to be congratulated on the successful delivery of a major software system in what has

been a short time frame," Alan said.

ENOVIA MatrixOne already enjoys a strong heritage with other defence organisations in Australia including the Collins Submarine Combat Systems Program Office (SMCSPO), Tenix, Raytheon Naval Systems Division, Boeing, Australian Aerospace and, most recently, ASC's submarine through-life program.

The implementation will be carried out by a combined team of AWD personnel and the specialist ENOVIA MatrixOne team at CONCENTRIC, located at offices throughout the nation, and they will provide ongoing product support.

The construction of the three HOBART Class AWD's (to be named HMAS HOBART, HMAS BRISBANE and HMAS SYDNEY) is an $8B project the largest defence project in Australian history. The destroyers will provide the nation with state-of-the-art attack and defence capabilities with the first ship to be delivered in 2014.

*Click here to return to Contents*

### *ENOVIA SmarTeam Expands Leadership in Mid-Market PLM With New Wins; Over 2,000 New Customers in the Past Year*

7 May 2008

Dassault Systèmes (DS) announced at the ENOVIA Americas Customer Conference in Orlando significant market successes in the PLM mid-market. Acquiring a new customer every seven hours, ENOVIA SmarTeam further solidified its lead for mid-market PLM and now has more than 6,000 customers.

ENOVIA SmarTeam offers out-of-the-box solutions focused on product development processes that support design, engineering and enterprise activities. Solutions are flexible enough to solve customers' business issues immediately while offering rapid deployment, enhanced return on investment and low total cost of ownership. ENOVIA SmarTeam has continued to capture an increasingly larger share of the mid-market for PLM. Notable worldwide customers include: Norgren, Tesla Motors, Nakayama Corporation, Mora, Spirit Aerosystems, Evernham Motorsports, LIG Nex1 (formerly LG Innotech), Heroux-Devtek, Busch and Mueller, Qubica AMF, Citizen Watch, and Swiss Stadler Rail Group.

"We are encouraged that many of the world's innovative companies have selected ENOVIA SmarTeam PLM solutions to enable product excellence," said Alex Zeltcer, general manager, ENOVIA SmarTeam, Dassault Systèmes. "As we continue to execute on our strategy to be the PLM mid-market leader, the addition of these highly regarded companies to our customer base validates our value proposition – ENOVIA SmarTeam solutions provide the foundation for product excellence, enhanced time to market and resource optimization – all of which are key factors to helping our customers grow."

*Click here to return to Contents*

### *Greentec Fuels Energy-Efficient Home Systems Designed With SolidWorks*

5 May 2008

Spearheading the move to reduce household carbon emissions, U.K.-based Greentec Systems, is using SolidWorks® 3D CAD software to integrate third-party eco-friendly technologies that let homeowners heat and cool their homes for as little as £100 a year. Greentec uses SolidWorks to design these systems

and visually demonstrate how disparate heating, cooling, and other energy-efficient systems will work together to help homeowners save money while reducing harmful CO2 emissions.

Greentec designs and installs whole-house systems featuring solar panels, air filtration units, under-floor heating, and other vendor products that eliminate the need for inefficient furnaces and air conditioning units running on oil, gas, or electricity. Greentec systems intelligently capture, store, and reuse energy, making homes warmer as outside temperatures drop and cooler in the summer. The company standardized on SolidWorks software to streamline overall system design, incorporate a variety of vendor designs created in other CAD packages, and communicate those design concepts to homeowners and builders.

“Although they know their new heating system could cut expenses by as much as 80 percent, people need to see why it costs three times as much as a standard gas boiler,” said Greentec Managing Director Garry Woods. “They may not fully appreciate the work that goes into drilling a 200 meter bore hole used to extract the earth’s energy until they see the scale in a SolidWorks model. SolidWorks has become the common language to ensure homeowners know what they’re getting and that builders work with us to install the system correctly.” Previously, Greentec outsourced all of its design work, ultimately working with as many as 12 different designs from different vendors on one project. With SolidWorks, the company manages development in-house, enabling engineers to see precisely how parts fit together in only one or two designs. They can now quickly and accurately modify system designs based on homeowner, builder, or vendor input to ensure all parties are on the same page and that installation is smooth and accurate.

“SolidWorks gives us a clear advantage because it allows us to work in one CAD program, while our competitors toil in multiple systems,” said Woods. “Not only has SolidWorks become a powerful marketing tool, its unparalleled ease of use makes it a fertile seedbed for innovation, letting us devise energy-saving systems that no one has ever attempted.”

Some of the additional energy-saving technologies incorporated into Greentec systems include rainwater recovery systems, heat storage cells, humidity control systems, swimming pool heat and ventilation systems, and remote maintenance systems.

“First it was our cars, and now the focus is on making our homes more environmentally friendly,” said SolidWorks European Marketing Manager, Simon Booker. “Greentec is paving the way with creative, cost-effective approaches to designing systems that let homes stay warm or cool using a minimum amount of energy.”

Greentec relies on authorized SolidWorks reseller Solid Solutions Management for ongoing software training, implementation, and support.

*Click here to return to Contents*

### *NEDAP Upgrades to Aton5*

May 2008

N.V. Nederlandsche Apparatenfabriek NEDAP is a company that focuses on developing and supplying solutions in the fields of security and electronic control units as well as automation, management and information for organisations.

NEDAP's market group Power Supplies has been using Modultek's Aton PDM system since year 2004. This year they will upgrade to the newest Aton5 version.

With Aton NEDAP manages items and BOM's and related product documentation. At the moment there are about 40 users in the system.

"Biggest benefit of Aton PDM is that all information is stored in one place, and the related information can be found quickly" says Bart Willemsen, System Manager of Market Group Power Supplies.

Nedap has subsidiaries in Belgium, France, Germany, Great Britain, the Netherlands and Spain

*Click here to return to Contents*

### *NEiFusion Selected by LEEVAC Industries LLC to Perform Finite Element Analysis on Vessels and Barges*

5 May 2008

Noran Engineering, Inc. (NEi) announced that LEEVAC Industries, LLC of Jennings, LA will utilize NEiFusion to perform advanced finite element analysis (FEA) and simulation on ship structures in the maritime industry. LEEVAC Industries, LLC, designs, builds, and repairs vessels and barges of nearly every description in the maritime industry. Some notable clients of LEEVAC include Tidewater Marine and Hornbeck Offshore.

Utilizing NEi Fusion will allow LEEVAC to iterate designs and structurally analyze ships and their components by using a precise, efficient, and affordable FEA design validation tool.

“We look forward to beginning our partnership with Noran Engineering”, says Alan Lin, Naval Architect for LEEVAC Industries, LLC. “NEiFusion’s affordable pricing and Noran Engineering’s willingness to work through the evaluation process with a company that does not do FEA full time helped guide our decision.

*Click here to return to Contents*

### *NextIO Standardizes on VMM Methodology and Synopsys VCS for Next-Generation I/O Virtualization Chip*

8 May 2008

Synopsys, Inc. announced that NextIO, a leader in I/O virtualization, has standardized on the VMM methodology, as defined in the Verification Methodology Manual (VMM) for SystemVerilog, and on Synopsys' VCS® functional verification product to accelerate the SystemVerilog-based verification of their newest I/O virtualization chip design. Pairing the VMM methodology with the VCS tool enabled NextIO to efficiently build highly accurate system-level and unit-level simulation environments that quickly identify design bugs. This complete verification environment enabled NextIO to achieve first-pass functional silicon success.

"After an extensive evaluation of the solutions in the market, we decided to use VMM to address the challenge of creating a modern, powerful SystemVerilog-based verification environment," said Rich Warwick, vice president of Engineering and Operations at NextIO. "The VMM methodology and Synopsys' implementation of the VMM base classes helped us structure a verification environment that utilized the full power of SystemVerilog. By standardizing all of our testbenches on VMM, we have been able to reduce development time by fifty percent. VMM solved every verification challenge we faced."

NextIO was able to create its own unique base classes derived from the VMM base classes that they are now able to extend on a project-by-project basis. This flexible approach allows NextIO to quickly assemble both unit-level and chip-level testbenches in a standardized fashion. This standardization significantly reduces the learning curve for NextIO's designers and verification engineers when new chips are developed, shortening the development schedules of future designs. Subsequent designs will require a certain amount of new, design-specific code; however, NextIO expects to reuse eighty to ninety percent of the environment they architected for their second-generation chip.

"The adoption of the VMM methodology by innovative companies such as NextIO reflects a growing, industry-wide trend," said Swami Venkat, senior director of Verification Marketing at Synopsys. "The combination of Synopsys' comprehensive VCS functional verification product and customer-proven VMM base class library enables unprecedented productivity and predictability, making the VMM methodology the solution of choice for SystemVerilog-based design and verification."

*Click here to return to Contents*

### *PTC Announces Innovation Design Contest Winners*

5 May 2008

PTC announced the winners of its “Redefining Innovation Product Design Contest 2008.” Launched around the globe, the contest asked designers to use PTC Pro/ENGINEER® 3D parametric CAD/CAM/CAE software to develop innovative, product-changing designs. The top three winners showed a common vision with their submissions, to design or redesign a product that can improve the way people play, live and work.

The Grand Prize was awarded to Scott Buckner of the United States, designer of the Easy Oar system. This drop-in rowing rig was designed for a canoe or other small craft to allow the oarsman to face forward in the direction of travel. With no significant improvements to a forward facing rowing system since the late 1800s, Scott’s design goal was to overcome the awkward style of propelling a small boat with oars while facing backwards.

Scott Buckner said he was delighted to be named as the Grand Prize Award winner, explaining how Pro/ENGINEER helped him develop a more sophisticated, but easy-to-use, rowing rig. “Pro/ENGINEER reliability and powerful capabilities allowed me to design this system without having to create a prototype at each step of the process. This capability gave me more freedom to try multiple design styles without the expense of multiple prototypes. I had great fun working with Pro/ENGINEER.”

The Runner Up Award went to Benjamin Mahan of the United States, designer of the Predator Facial Armor System Technology (FAST). This redesigned facial armor system upgrades the ballistic coverage of current U.S. military helmets to create an effective facial armor system that can be used in conjunction with currently fielded helmets. Ben’s design goal was to provide lightweight, maximum ballistic protection and coverage while not degrading or inhibiting a soldier’s peripheral vision.

The Second Place Award went to Koert Vanoverbeke of Belgium, designer of the TNI Tellus Smart. Koert’s goal was to provide a solution to people who are speech-impaired. The TNI Tellus Smart is a compact, trendy-looking, hand-held communication device that provides a graphical way to communicate. Powered by picture-driven software, users gain back the basic freedom of communication by resuming contact with friends and family.

Robert Gremley, divisional vice president marketing, PTC, said, “It is great to see so many innovative designers using PTC Pro/ENGINEER. The power and design possibilities that PTC’s software offers enabled this group of people to create the types of products that can change a person’s life. The diversity and sophistication of entries received from around the world was astonishing. Every submission had great merit, but ultimately the judges had to select the top three designs.”

The contest was sponsored by Manufacturing Business Technology. The judging panel was comprised of six global members representing media, industry analyst firms, universities and PTC/USER. PTC/USER is the Independent Voice of PTC Customers Worldwide™. Criteria used during the judging process included uniqueness of concept and its approach to unmet customer needs, marketability of product, the ability to manufacture the product and the ease of generating consumer interest.

*Click here to return to Contents*

### *Shanhaiguan Shipbuilding Industry Co., Ltd Adopts PTC CADDS®5 Shipbuilding Solution as Its Standard Design Platform*

6 May 2008

PTC announced that Shanhaiguan Shipbuilding Industry Co., Ltd. (SHGSIC), a well-known shipbuilding and repair company based in Northern China, has selected CADDS 5, PTC’s specialized CAD/CAM solution for shipbuilding. The company will utilize CADDS 5 in order to upgrade its former 2D CAD system into a comprehensive, integral 3D design platform. The software will enhance its overall design and shipbuilding capacity, allowing the company to further accelerate its transformation into a modern, international shipbuilding enterprise.

In order to meet the challenge of growing competition and elevate design capabilities, Shanhaiguan Shipbuilding Industry Co., Ltd decided to implement CADDS 5 and create a collaborative design environment. Previously, the company mainly focused on ship repair. Using a 2D application had created severe bottlenecks, inefficient plotting practices, hindered ability to collaborate across integrated design teams and ultimately caused massive development delays. In order to accelerate transformation from ship repair to a comprehensive shipbuilding business and take advantage of digitized ship design capabilities and 3D modeling, SHGSIC turned to PTC solutions. After implementing CADDS 5, integrated product development teams could work collaboratively and more efficiently, and as a result, SHGSIC has saved significant amounts of time and materials.

CADDS 5 is an adaptable, hybrid 3D CAD/CAM system which enables companies to create products with very large assembly structures such as ships. It allows a large team of designers to concurrently carry out design work in an all-digital ship design and 3D modeling environment. Through integrated, advanced technology for structural, HVAC, electrical, piping and database-driven systems design, CADDS 5 improves user productivity and increases design speed. Furthermore, CADDS 5 provides an intuitive user interface, powerful ship reference system and a high-end graphics engine, which provides translucent images and mixed product views in a single environment. CADDS 5 can significantly shorten product design cycles, enabling faster ship construction.

"Through our partnership with PTC, we have been able to implement a collaborative design environment, where we can achieve timely product data synchronization and improve design quality," said Gao Fusheng, SHGSIC vice chief engineer and head of Shanhaiguan Design Institute. "As China's shipbuilding industry continues to develop, the implementation of CADDS 5 will greatly enhance our product development capabilities and elevate our core competitiveness.”

About Shanhaiguan Shipbuilding Industry Co., Ltd

Shanhaiguan Shipbuilding Industry Co., Ltd belongs to the China Shipbuilding Industry Corporation. Built in 1972, this large state-owned enterprise currently is one of China's largest shipbuilding and repair bases. Possessing 2.16 million square meters area, SHGSIC possesses one 300,000 T dock, one 70,000 T and a 30,000 T dock. Its nine 2,026 m ship-repair piers are equipped with over 3,000 sets of modern production equipments and 900 high-class professional engineering and technical personnel. The factory has passed the ISO9001-2000 quality system certification.

Over the recent years, Shanhaiguan Shipbuilding Industry Co., LTD has been striving to implement management reform and optimize production process and construction. In 2007, it set a new record in industry output value and doubled profits. Nowadays, it has formed a comprehensive and well-developed structure made up of ship repair, construction, reconstruction, marine engineering, military engineering and non-ship industry. In addition, with advanced technologies and strengths, outstanding project completion time and security guarantee, the company has formed a well-established “Shanhai Brand” in shipbuilding industry.

*Click here to return to Contents*

### *Siemens PLM Software Honored as one of Visteon Corporation’s Top Suppliers*

5 May 2008

Siemens PLM Software announced it has been honored with a Visteon Important Partner Award for outstanding overall performance in providing services to Visteon Corporation, one of the world’s leading automotive suppliers.

Siemens PLM Software was recognized as a top supplier to Visteon in the Non-Production category during an April 16 ceremony at Visteon’s Corporate Offices and Innovation Center in Van Buren Township, Mich. (U.S.)

The Visteon Important Partner Award program, now in its sixth year, honors Visteon suppliers that achieve “best in class” ratings for quality, delivery, technology, launch and cost-control performance. Siemens PLM Software was among 23 companies honored for their 2007 performance, representing less than one percent of Visteon’s global production and non-production suppliers.

“Siemens PLM Software has distinguished itself as an outstanding Visteon supplier in its service area, whose performance has been instrumental in helping Visteon deliver innovative, high-quality, cost-efficient products to vehicle manufacturers,” said Patrick Bauer, Visteon senior director, material planning and logistics – indirect and central purchasing.

“Siemens PLM Software is proud to be the first-ever information technology partner to receive this prestigious distinction in recognition of our PLM solutions and services,” said Dave Shook, senior vice president and managing director, Americas, Siemens PLM Software. “We are honored to be acknowledged for our Teamcenter® solutions that support Visteon as a leading global automotive supplier.”

Of the 23 companies earning Visteon Important Partner Awards, eight are based in the Asia-Pacific region, six in Europe, five in North America, and four in South America.

“Having a world-class supply base is critical to Visteon’s ability to meet the technology, quality and cost needs of vehicle manufacturers around the world, and these 23 suppliers represent ‘the best of the best,’”

said Donald J. Stebbins, Visteon president and chief operating officer. “We are proud to recognize these suppliers, who have performed at an extremely high level in supporting our three strategic product groups – climate, electronics and interiors.”

*Click here to return to Contents*

### *SMU School of Engineering Receives In-Kind Grant With A Commercial Value OF $5.7 Million From Siemens PLM Software*

9 May 2008

Siemens PLM Software announced an in-kind software grant with a commercial value of US$5.7 million to the School of Engineering at Southern Methodist University (SMU) to enrich the school’s engineering curriculum and facilitate the transfer of Siemens PLM Software’s technology to the areas of critical infrastructure life cycle management throughout Dallas and beyond. The in-kind investment includes engineering software, instructor training and academic support.

As a result of this partnership with the SMU School of Engineering, Siemens PLM Software’s technology will be introduced in the Research Center for Advanced Manufacturing where students address the development of fully automated systems from design to final product. The grant is provided through the GO PLMTM (Global Opportunities in Product Lifecycle Management) program.

“We are so grateful for the partnership we’re developing with Siemens PLM Software because it enables high-level research and educational opportunities in the SMU School of Engineering. This partnership truly benefits students in the School of Engineering and it enhances our efforts to strengthen and grow our research activity,” said SMU President, R. Gerald Turner.

“We are pleased to partner with SMU in an effort to build a legacy of strong engineers,” said Dave Shirk, executive vice president, Global Marketing, Siemens PLM Software. “Our goal is to help universities like SMU retain top notch student talent while continuing with the great efforts already underway.”

About the SMU School of Engineering

SMU’s School of Engineering school offers 20 undergraduate and 29 graduate programs, including both master’s and doctorate levels. It is home to the Research Center for Advanced Manufacturing which provides an interface between science, engineering, and industrial practice while allowing faculty and students to work in close collaboration with industry partners.

*Click here to return to Contents*

### *Stretch Inc. Uses Arena PLM to Set up the Right Systems and Controls to Take the Market by Storm*

8 May 2008

Arena Solutions announced that Stretch Inc. (http://www.stretchinc.com), the pioneer and leader in software configurable processors, has adopted on-demand Arena PLM to enhance collaboration, manage its outsourcing activities, and more easily comply with industry standards and regulations. Stretch selected Arena PLM in part because the company liked what the software-as-a-service (SaaS) model offers: lower cost, reduced risk, anytime/anywhere accessibility, and an easier-to-deploy, easier-to-manage PLM solution.

As Stretch takes the next step in rolling out its technology -- marked by video processing and encoding for security and surveillance applications -- it's in a highly competitive position and ready to shake up the industry. "Arena PLM allowed us -- overnight -- to have big company advantages, without adding big company overhead," said Joe McDonough, senior director of customer service and supply operations at Stretch Inc.

Stretch is using Arena PLM to manage the company's bill-of-materials (BOM) information and tie together part numbers, part specifications, approved vendor lists and other information in a single, controlled environment that can be accessed 24/7 from anywhere in the world. "When we say 'go' to our contract manufacturers, we want to be sure that when the machine starts, it's building the right thing," said McDonough. "With Arena PLM, we can ensure quality standards and guarantee predictable results. Our suppliers and contractors can go into Arena PLM, download the latest production version, and build to that spec. This ensures everyone involved has access to the right information."

The benefits of collaboration extend to internal team members as well. "You can talk about Stretch as an entity, but, really, there are many people from multiple departments -- marketing, engineering, management -- who collaborate on product development. Arena PLM is helpful because it provides clarity and ensures everyone is speaking a common language," continued McDonough.

"Stretch is a very smart upstart company that quickly recognized it can leverage technology and outsourcing to compete on a much grander scale in the marketplace," said Craig Livingston, chief executive officer of Arena Solutions. "Implementing Arena PLM during the early stages of the company makes a huge difference. With the right systems and controls in place, Stretch can more easily manage the mission-critical processes that get the company's advanced products to market faster and more effectively. Timing and product quality are key success factors for start-ups. Stretch can rely on Arena PLM to help it meet both of those requirements -- and do so at an extremely affordable price."

*Click here to return to Contents*

***University of New South Wales Teams With ANSYS to Develop Industry-Ready Work Force***

5 May 2008

ANSYS, Inc. announced that the University of New South Wales (UNSW) in Australia has chosen to deploy software from ANSYS across its campuses on that continent. UNSW will use the ANSYS academic products for teaching programs and research activities in various fields of engineering and science.

“UNSW is committed to new and creative approaches to education and research to maintain its leadership position. Deploying academic products from ANSYS as an integral part of the curriculum allows our students to be trained on a cutting-edge commercial engineering simulation toolset along with underlying numerical theory, making them ready for the simulation-driven product development environment of industry,” said Professor Eddie Leonardi, director of the Computational Fluid Dynamics Research Laboratory and deputy head of the School of Mechanical and Manufacturing Engineering at UNSW. “The depth, breadth and comprehensive multiphysics capabilities of technology from ANSYS make the academic products unique in meeting our teaching and research needs.”

UNSW’s School of Mechanical and Manufacturing Engineering will offer its third-year students a course that covers applications of computational techniques and commercial packages in engineering analysis. Covering structural and fluid flow analyses in two streams, the course will use the ANSYS technology portfolio to enhance understanding of modeling strategies, structured and unstructured grids,

element choices, solution interpretation, accuracy and convergence, turbulence modeling, nonlinear, and time-dependent problems. Through the application of ANSYS® DesignModeler™ software and geometry interfaces for various CAD systems, students will learn about “what-if” parametric studies in a design context. Finally, the two streams will be combined, introducing students to coupled-physics phenomena, such as fluid structure interaction, using the ANSYS® Workbench™ environment.

Products from ANSYS will be used for both teaching and research in a number of other schools at UNSW, including The School of Civil and Environmental Engineering, The School of Materials Science & Engineering, The School of Chemical Sciences and Engineering, The School of Electrical Engineering and Telecommunications, The Faculty of Built Environment, The School of Mining Engineering, and UNSW at the Australian Defence Force Academy. A number of research projects using the suite of ANSYS products will be conducted this year by the Water Research Laboratory, the Faculty of Safety Science and the NSW Injury Risk Management Research Centre.

“We are honored to partner with UNSW, as it is one of Australia's leading teaching universities and undertakes a tremendous range of research. Our relationship with UNSW is critical in ensuring that there is an ANSYS trained workforce available to our commercial customers; it also is crucial in ensuring that academic research can continue to push the technology envelope,” said Joe Fairbanks, vice president, worldwide sales and support at ANSYS, Inc. “The affiliation with UNSW is a testament to the potential of our products — as well as to the support capabilities of our partner LEAP and the value they create for our academic customers.”

LEAP Australia Pty Ltd., the ANSYS channel partner in Australia, has been working closely with UNSW. “A well-trained and industry-ready work force is one of the key obstacles faced by Australian companies when deploying simulation as part of the product development process in creating competitive products,” said Greg Horner, managing director and co-founder of LEAP. “Having high-quality universities like UNSW training graduates in computational engineering is fantastic for local businesses.”

*Click here to return to Contents*

# Product News

### *Ansoft Ships HFSS v11.1*

2 May 2008

**WHO**: Ansoft Corporation

**WHAT**: HFSS™ v11.1 software for 3D full-wave electromagnetic field simulation

**WHEN**: Available now for Windows®, Linux® and Solaris® users

**WHERE**: Contact your nearest Ansoft sales office.

HFSS v11.1 includes a number of new enhancements including:

- Meshing and model resolution and validation features
- Nastran (.nas) geometry import
- Parasolid and Unigraphic geometry import (Windows only)
- Enhanced post-processing features

HFSS v11.1 is available for the following platforms: Microsoft Windows XP Professional, XP Professional x64 Edition, Server 2003, Server 2003 x64 Edition, Red Hat Enterprise Linux versions 3 and 4 (32- and 64-bit OS), SuSE Linux Enterprise Server 9 (32- and 64-bit OS) and Solaris versions 8-10 (64-bit OS).

For more information on HFSS v11.1, please read the documentation included with the release. To learn more about HFSS and other Ansoft products for high-performance electronic design, please visit http://www.ansoft.com.

*Click here to return to Contents*

### *Aras Attains Gold Certified Partner Status in Microsoft Partner Program*

5 May 2008

Aras® announced it has attained Gold Certified status in the Microsoft Partner Program with an ISV / Software Solutions competency. As a Gold Certified partner, Aras has demonstrated expertise with Microsoft technologies and proven ability to meet customers' needs. Microsoft Gold Certified Partners receive a rich set of benefits, including access, training and support, giving them a competitive advantage in the marketplace.

Aras provides the Aras Innovator suite of open solutions for enterprise Product Lifecycle Management [PLM] enabling companies to collaborate and innovate more effectively during new product development & introduction to deliver results. Aras Innovator is the most advanced model-based service-oriented architecture [SOA] for PLM and is available exclusively on the Microsoft platform delivering flexibility to enable companies to deploy quickly and adapt easily while maintaining upgradeability.

Aras solutions provide complete access for unlimited users at no cost. Because there is no charge for the enterprise production-ready software, Aras removes the need for up-front capital and eliminates expensive software licensing requirements for users, modules, and servers. With Aras companies have the control and flexibility of an enterprise open source solution format that empowers IT personnel with Microsoft skill sets.

"We are proud to have attained Gold Certified status in the Microsoft Partner Program, and we recognize the corporate confidence our strategic relationship provides to enterprise customers," said Peter Schroer, President of Aras. "The benefits provided through our Microsoft Gold Certified status combined with our growing community participation will enable Aras to continue to extend our clear technology leadership over the conventional proprietary systems in our market by delivering greater innovation advancement and better software solutions."

"Customers are looking for partner companies that can bridge the gap between their business demands and technology capabilities. They need to trust in someone that can act as an expert adviser for their long-term strategic technology plans. Microsoft Gold Certified Partners, which have certified expertise and direct training and support from Microsoft, can build a positive customer experience with our technologies," said Allison Watson, vice president of the Worldwide Partner Sales and Marketing Group at Microsoft Corp. "Today, Microsoft recognizes Aras as a new Microsoft Gold Certified Partner for demonstrating its expertise in providing customer satisfaction with Microsoft products and technology."

As one of the requirements for attaining Gold Certified Status, Aras had to declare a Microsoft Competency. Microsoft Competencies are designed to help differentiate a partner's capabilities with

specific Microsoft technologies to customers looking for a particular type of solution. Each competency has a unique set of requirements and benefits, formulated to accurately represent the specific skills and services that partners bring to the technology industry. The Microsoft ISV/Software Solutions Competency recognizes the skill and focus partners bring to a particular solution set. Microsoft Gold Certified Partners that have obtained this competency have a successful record of developing and marketing packed software based on Microsoft technologies.

"Solutions Competencies are an important way for Microsoft to better enable ISVs to meet customer needs," said Sanjay Parthasarathy, corporate vice president of the Platform Strategy & Partner Group at Microsoft. "They allow ISVs to keep and win customers with their deep knowledge of solutions-based Microsoft platform technologies. Microsoft has a long history of working closely with ISV partners to help deliver compelling solutions and applications to our mutual customers, and the Solutions Competencies are an important step in continuing to enhance vital relationships with ISVs worldwide."

The Microsoft Partner Program was launched in December 2003 and represents Microsoft's ongoing commitment to the success of partners worldwide. The program offers a single, integrated partnering framework that recognizes partner expertise, rewards the total impact that partners have in the technology marketplace, and delivers more value to help partners' businesses be successful.

On May 5, 2008 Aras released Aras Innovator Version 9, the most advanced model-based SOA for PLM on Microsoft, with the freely available download at http://www.aras.com

*Click here to return to Contents*

### *Aras Delivers Version 9 of Advanced Model-based SOA for Enterprise PLM on the Microsoft Platform*

5 May 2008

Aras® announced the immediate availability of Version 9 of the Aras Innovator® suite of model-based service-oriented architecture [SOA] solutions for enterprise Product Lifecycle Management [PLM]. Version 9 delivers the first model-based SOA for PLM and includes single-instance multi-language capabilities and support for the latest Microsoft platform products; Microsoft SQL Server 2008, Microsoft Windows Server 2008, and Microsoft Visual Studio 2008. Additional information and enterprise solution download available at http://www.aras.com.

"By delivering an advanced model-based SOA exclusively on the Microsoft platform in an enterprise open source format, Aras is unleashing the extensive power of SQL Server 2008 to provide global enterprises with a trusted, productive, and intelligent data platform," said Kim Saunders, senior director for SQL Server Marketing at Microsoft Corp. "The innovation advantage that the Microsoft platform provides for partners is compelling, and we are committed to enabling Microsoft partners such as Aras as they create ever greater value for customers."

**Model-Based SOA – Advanced Solutions**

The model-based environment in Aras Innovator Version 9 represents a significant innovation in enterprise SOA software for PLM. Highlights include:

Real-time Solution Customization – The Aras Innovator model-based SOA solutions enable complex object model, data schema, business rule, and workflow changes on-the-fly with no programming required and no downtime making solution customization fast and easy.

No Impact Upgrades – The model-based SOA separates the solutions and related solution modifications from the underlying SOA making even highly customized enterprise solutions easy to upgrade in days without impacting the customizations.

"Aras makes extremely powerful enterprise software solutions easy to implement and use," said Peter Schroer, President of Aras Corporation. "The Microsoft open approach provides practical solution innovations that deliver results because they come directly from our corporate community members worldwide."

**Multilanguage Internationalization – Global Collaboration**

Aras Innovator Version 9 includes single-system multi-language internationalization capabilities for greater global collaboration. Internationalization and localization are integral to the Version 9 model-based SOA and are stored as data in Microsoft SQL Server. This simplifies the development and sharing of language packs by eliminating external resource files and getting rid of the need to compile code before using translated solutions. Highlights include:

One Installation, Many Languages – An unlimited number of user languages are simultaneously supported by a single system running one application server. Version 9 supports the entire ISO/IEC 10646 Unicode character and script set representing over 500 written languages including double byte support for the Chinese, Japanese, and Korean ideographs.

- Multi-language support includes both the solution screens and all end user data
- For example, users in the USA see the Part Master in English, users in Germany see the data in German, and users in China see Chinese
- Sorting of user search results occurs in the native language [collating sequence]

Global Corporate Clock – A single system installation used simultaneously by people all over the world provides each user with local time zone display, yet the system records a user's actions in one defined corporate time zone for synchronization of time & date sensitive activities.

- Coordinates global date and time complexity for collaborative processes such as electronic workflow signatures, program scheduling deadlines, and product release effectivity

Language localization packages are openly developed by Aras corporate community members worldwide. Mandarin Chinese and Simplified Chinese are available now, and other language translations are under way for Russian, Portuguese, Spanish, German, and French. Aras is currently recruiting volunteers for translation activates.

**Microsoft Platform – Enterprise Scalability**

Aras Innovator Version 9 includes support for the new Microsoft products to deliver enterprise scalability, manageability, and security.

Microsoft SQL Server 2008 – Provides a scalable, high performance database engine for the Aras mission-critical applications that require the highest levels of availability and security. SQL Server 2008 Reporting Services delivers business intelligence in Version 9 for actionable analysis.

Microsoft Windows Server 2008 – Version 9 is Certified for Windows Server 2008 demonstrating conformance to Microsoft's most stringent platform requirements and providing the highest level of corporate confidence available.

Microsoft Visual Studio 2008 – Enterprises utilize Visual Studio 2008 with the Aras Innovator Version

9 Web services for Office Business Applications [OBAs] using the Microsoft 2007 Office system and Microsoft Office SharePoint Server 2007.

**Open Options – Deliver Results**

Aras Innovator Version 9's enterprise open source format on the Microsoft platform makes the production-ready solutions freely available with complete access for unlimited users. Companies can use as little or as much of the extensive functionality as needed for no charge.

Aras Innovator Version 9 provides comprehensive solution functionality for enterprise-wide PLM deployments, and open XML / SOAP Web services easily connect to existing ERP or PDM systems to leverage previous investments.

Aras customers include Motorola, Lockheed Martin, Delphi, Ingersoll Rand, Rolls-Royce, ACCO Brands, Freudenberg, Fox Electronics, Mega Brands, Structural Concepts, and the US Army.

Aras Innovator Version 9 is available immediately, and enterprise-class support subscription packages, training, and professional services are available from Aras and Aras partners; for details visit http://www.aras.com.

*Click here to return to Contents*

***Autodesk Unveils Autodesk Seek Web Service for AEC Industries***

6 May 2008

Autodesk, Inc. announced the launch of Autodesk Seek, a web service that allows architects, engineers and designers to search, select and specify building products using Autodesk's advanced search technology.

Autodesk Seek provides a consolidated online source for building product design information and delivers information-rich results -- including relevant design files in multiple formats from within the customer's design applications. Design files can be dropped directly into the designer's building model or drawing, reducing the need to recreate individual components in the design. This embedded search functionality is now available in the 2009 U.S. versions of Autodesk's Revit-based software applications, as well as AutoCAD, AutoCAD Architecture and AutoCAD MEP. The web service is also available through standard browsers at http://seek.autodesk.com/.

"Autodesk Seek enhances designers' productivity by helping to eliminate the pain of looking for specific building product information and their associated design files, which are often scattered across various sources such as catalogs and online libraries," said Jeff Wright, director, Content Solutions, at Autodesk. "With this new Autodesk web service, architects, designers and building engineers can now more easily focus on what they do best -- creating innovative building designs."

Today's announcement around search reinforces Autodesk's push to empower architecture, engineering and construction (AEC) firms by delivering new applications and technology solutions that build on the foundations of building information modeling (BIM), and that support its customers' need to create, predict and deliver their ideas in increasingly more optimal and more effective ways.

The Autodesk Seek web service connects the millions of designers in the AutoCAD and Revit communities with the building products of manufacturers who understand the value of making their product information available to designers at the right time and the right place -- in the design software application. Benefits to users and suppliers include:

**Access** -- Designers working in AutoCAD and Revit-based applications can access specifications and design files among a universe of building products and insert them directly into their drawings or building models.

**Precision** -- Designers can find what they are looking for based on key product characteristics (e.g., dimensions, materials or "green" performance criteria) through the Autodesk Seek parametric search engine.

**Standards** -- Autodesk Seek supports industry data standards and design formats, allowing architects and engineers using any design package to access a breadth of product information from their desktops.

**Reusability** -- Designers can find and re-use models rather than searching for information each time they begin a new project. Manufacturers' product information investments can be reused in other online initiatives.

Autodesk Seek is slated to be showcased at AIA Expo2008 in Boston, May 15-17, at Autodesk booth #20121.

In the months ahead, Autodesk Seek content and categories will continue to expand to support new industries and products, with the addition of further building product manufacturers (BPMs) and partners.

*Click here to return to Contents*

***BigLever Software Delivers Fully Integrated Software Product Line and Requirements Engineering Solution***

5 May 2008

BigLever Software™ announced the release of the Telelogic DOORS®/BigLever Gears™ Bridge, an integrated solution aimed at helping product development organizations more efficiently manage requirements across an entire product line portfolio. The new DOORS/Gears Bridge solution enables companies to fully leverage the benefits of an end-to-end requirements engineering process within the product line development lifecycle, in harmony with other tools and assets across the lifecycle. With the integration of software product line and requirements engineering capabilities, customers can realize advancements in product line engineering for systems and software, including increased product line scalability, faster time-to-market for new products, greater productivity and optimized product quality.

“At Lockheed Martin, the timely and cost-effective delivery of the latest technological advances to our customers is mission critical. Our goal is to constantly ‘push the envelope’ with state-of-the-art product development tools and methods,” said Norman Malnak, VP of Technical Operations for Marine Systems and Sensors.

Requirements management for a product line portfolio can quickly become exponentially more complex than for a single product. The growth of SPL engineering practice in the industry has increased the number of organizations faced with this challenge. In response to growing customer demand, BigLever and Telelogic, an IBM company, co-developed the DOORS/Gears Bridge to provide a simple and innovative solution for engineering requirements across a product line portfolio.

“BigLever’s unified SPL framework provides the underlying product line capabilities needed to integrate and leverage tools and assets across the development lifecycle,” said Ingemar Ljungdahl, CTO and Executive VP of Requirements Management, Telelogic, an IBM company. “Through our

technology relationship with BigLever – and the integration of DOORS and Gears – Telelogic is providing a whole new level of support for requirements engineering within a common, easily repeatable SPL implementation framework."

"Based on the strong pull we have seen from the development community, the DOORS/Gears Bridge represents an innovative step forward in the system and software product line engineering field," said Charles Krueger, BigLever Software CEO. "With the integration of DOORS into the SPL engineering framework – where traceability and processes flow cleanly through all stages in the lifecycle – our customers can now establish end-to-end SPL engineering approaches that far exceed the capabilities they previously envisioned. Telelogic continues to demonstrate industry leadership by contributing this significant advancement to the SPL framework."

The DOORS/Gears Bridge offers a highly scalable, simplified alternative to current product-centric techniques. Development organizations can now utilize: 1) DOORS requirements sets as first-class reusable assets in the product line engineering lifecycle; 2) new capabilities to easily minimize the number of requirements created; 3) techniques to better leverage the requirements that drive the evolution of a product portfolio; 4) Gears SPL constructs to manage product requirement diversity based on product line features, all within the context of the unified SPL framework.

*Click here to return to Contents*

***Bluespec Expands into Japanese Market***

8 May 2008

Bluespec Inc. it has entered into an agreement with CYBERNET SYSTEMS Co., Ltd., based in Tokyo, as its distributor in Japan.

CYBERNET, a leading distributor of CAE, EDA and IT tools in Japan, currently represents leading U.S.-based companies such as Cadence and The MathWorks. Under the new agreement, CYBERNET will market, sell and support Bluespec's high-level synthesis and simulation toolsets to Japan's semiconductor and systems companies.

"CYBERNET, with its excellent customer reputation, solid understanding of the EDA market and substantial sales, training and consulting services infrastructure, makes a terrific Bluespec partner to enter the Japanese market," said Charlie Hauck, CEO of Bluespec, Inc. "Expecting to build on our strong customer momentum in North America, Europe and India, we are excited to be able to offer Japan the industry's only synthesizable models, testbenches and general purpose high-level implementations, supporting both control and algorithmic IP."

"Our customers are looking for ways to significantly improve verification and accelerate software development. By enabling a dramatic improvement in both design productivity and quality, Bluespec now makes FPGA emulation a viable option for mainstream development including architectural exploration, verification and software development," said Kuniaki Tanaka, president of CYBERNET SYSTEMS. "With a silicon-proven solution that addresses our customers' fundamental issues, Bluespec is an important addition to our EDA portfolio and part of our strategy to be the leading vendor of EDA tools in Japan."

"Bluespec will be an excellent fit for the Japanese market, with its emphasis on avoiding issues by building quality into design," said Arklin Kee, vice president of business development for Bluespec, Inc. "CYBERNET's decision to represent Bluespec reinforces our confidence in the demand we expect for

our technology from this important market."

Contact George Harper, Bluespec's vice president of marketing, for more details. He can be reached at (781) 250-2200 or via email at info@bluespec.com.

*Click here to return to Contents*

***Flomerics Version 8.2 of EFD Simulation Software Offers Enhanced Usability and Increased Performance***

May 2008

Flomerics Ltd. announced the availability of version 8.2 of its Engineering Fluid Dynamics (EFD) fluid flow and thermal simulation product family. EFD is based on the same mathematical principles of Computational Fluid Dynamics (CFD) but is embedded in CAD, easier-to-use for mechanical engineers and is much faster. EFD 8.2 offers improved usability as well as increased performance.

"At Flomerics, we do our best to maintain an open channel of communication with our customers" said Ivo Weinhold, the engineering fluid dynamics business manager at Flomerics. "Continual performance and interface improvements are among our top goals because our users require them. That's why 95% of our customers using the EFD product family, would recommend EFD to others." The new version is now available for EFD.Lab - a general-purpose fluid analysis tool for Inventor, Siemens NX, Solid Edge, SolidWorks as well as other popular CAD programs, EFD.Pro – a fully embedded CFD solution for Pro/ENGINEER Wildfire and EFD.V5 – a fully embedded CFD solution for CATIA V5.

Technical Notes for EFD 8.2

Among the most salient features of version 8.2 are:

• EFD 8.2 features an optimized mesher which requires even less RAM to solve models with a large number of features. As a result, more complicated models with a large number of components can be solved effortlessly with EFD.

• EFD.Lab now features a unique functionality by recognizing features and parameters on an imported solid body. Therefore, users maintain all the benefits of parametric-based solid modeling and can easily modify geometry parameters to take advantage of effortless "what-if" testing regardless of where the solid model was created.

• EFD.Pro now supports the Microsoft Windows Vista operating system. Also, with version 8.2 motion may be added to model components in user-defined animations to allow for more realistic visualization of results.

• EFD.V5 menus and toolbars have been further improved to make the interface even easier to use.

• Additional functionalities have been added in support of electronics applications. For example, the perforated plates function has been further improved to support holes with arbitrary shapes. As a result, users can analyze even more complex perforated plates without manual intervention.

EFD 8.2 is available for immediate shipment. Interested readers may watch their choice of online demos for EFD.Lab, EFD.Pro or EFD.V5 for free at
http://www.flomerics.com/products/engineeringfluiddynamics/demo.php

*Click here to return to Contents*

### *LMS Integrates 1D and 3D Simulation for Vehicle Handling*

7 May 2008

LMS introduced its extended solution for vehicle handling simulation at the Vehicle Dynamics Expo in Stuttgart, Germany. LMS offers an integrated solution and advanced engineering services to help vehicle manufactures deliver optimal vehicle handling and to balance the handling performance against other key attributes in chassis development, including ride comfort, road noise and durability.

With the 1D simulation tools of LMS Imagine.Lab Vehicle Dynamics, development teams can analyze vehicle ride, handling and comfort in the early concept stage for functional specification and functional design, long before detailed CAD or 3D simulation models become available. As more design details are fixed, 3D models can be developed with LMS Virtual.Lab Vehicle Motion to simulate vehicle handling and ride comfort in more details. An advanced interface between both solutions makes it possible to build high fidelity models of sensors, actuators and active control systems in 1D, and interface these with 3D mechanical models in LMS Virtual.Lab Vehicle Motion.

With Imagine.Lab Vehicle Dynamics, LMS offers dedicated 1D simulation tools to design and validate individual chassis subsystems and actuators and to integrate them in a single system model to simulate and validate global chassis control strategies. The solution comes with a large set of dedicated tools for vehicle dynamics engineering, including data management, post-processing and optimization tools. The strong integration capabilities of the vehicle dynamics engineering process provide a detailed insight into the numerous component and system interactions that determine a vehicle's ride and handling profile.

With the LMS Imagine.Lab Vehicle Dynamics Control solution, chassis designers and engineers can simulate vehicles, sensors, actuators and the control strategy in a single comprehensive platform, from which data can be exported into real-time targets for Hardware in the Loop validation. Through the advanced interface with LMS Virtual.Lab Vehicle Motion, engineers can seamlessly interface their 1D control model with 3D component and system models in LMS Virtual.Lab Motion. This allows a detailed simulation of the real-life interaction of sensors, actuators and active control systems with chassis and suspension systems.

LMS Virtual.Lab Vehicle Motion offers an integrated 3D modeling and simulation solution to analyze vehicle ride and handling behavior from passenger cars and motor sport vehicles to multi-axle vehicles like trucks and buses. Front and rear-axle suspension models created with the template-based modeling interface can easily be integrated into a full-vehicle model with a steering system, brakes, powertrain and driveline, electronic control systems and tires. Dedicated subsystem templates for suspensions, steering, braking systems and driveline are also provided. The available library of pre-defined vehicle events, including the most common open-loop and closed-loop maneuvers, can be extended by any user-defined event. Additionally, the IPG Driver model includes complex driver-vehicle interaction to include human reactions in the dynamic vehicle model.

*Click here to return to Contents*

### *LMS Introduces NVH Observer Database with Vehicle NVH Benchmarking Information*

29 April 2008

LMS International introduced NVH Observer, a highly detailed and subscription-based database with vehicle NVH benchmarking information. Currently, the database contains fourteen reference vehicles

with plans to increase it by at least 8 vehicles on an annual basis. For each vehicle in the database, NVH Observer includes 6,000 curves such as spectra, orders, sensitivities, TPA noise contributions, modes and binaural time traces. The full collection of data has been gathered by NVH experts from LMS Engineering Services.

NVH Observer offers several unique benefits both from a cost-effectiveness point of view as well as a quality standpoint. Thanks to NVH Observer, members are able to keep their benchmarking budgets under control and access a wider range of vehicles, as well as more detailed data, while at the same time eliminating costly and time-consuming external studies. Available around the clock 24/7, users will be able to access ready-to-use benchmarking data from practically anywhere in the world. A dedicated search interface on top of the LMS Tec.Manager database software helps users from various internal departments access relevant data much easier and faster. A few mouse clicks and users can view competitive NVH differentiators that can help strategically position new vehicles, investigate possible concepts and support solution development.

After initially establishing the system with a core group of four members from European and Japanese OEMs, NVH Observer membership is now open to all automotive development centers and suppliers worldwide. One of the early members, Dr. L. Gagliardini from NVH vehicle development at PSA PEUGEOT CITROËN stated, “With LMS NVH Observer, the PSA PEUGEOT CITROËN NVH department has more than doubled the amount of competitive data, providing us a broader view of the NVH performances in the market.”

“NVH Observer offers excellent value since it contains highly consistent data obtained via a standardized measurement process which facilitates vehicle-to-vehicle comparisons and prevents misinterpretations or erroneous processes. Users are assured that the data is correct; they can even trace and verify the exact instrumentation via the photographic database,” stated P.J.G. van der Linden, LMS’ NVH Observer Manager. “Thanks to the fact that the database cost is distributed over a large group of users, membership terms to this unique initiative are extremely advantageous. Membership to LMS NVH Observer not only gives users easy access to existing data, members are also invited to set priorities for the next vehicles to be benchmarked.”

*Click here to return to Contents*

### *Maple 12 Delivers Major Innovations in Engineering Analysis and Design*

6 May 2008

Maplesoft™ announced the next release of Maple™, the company’s tool to solve complex mathematical problems and create rich technical documents. Maple 12 introduces an extensive range of new tools built on Maple’s fundamental technology platform of smart documents, powerful mathematics, and seamless connectivity to the engineering design toolchain.

One of the most significant features of this release is the direct connectivity between Maple 12 and popular CAD systems such as SolidWorks® and Autodesk Inventor®. CAD users will now be able to deploy powerful mathematical capabilities to extend the range of analysis on CAD models. Based on major industry trends and extensive consultation with its user base, the product also offers new ways to develop sophisticated mathematical models faster and more accurately than ever before. A new collection of Dynamic Systems modeling tools essential in dynamic modeling, control design, and signal processing is yet another important addition to the new release. These tools will add convenient frequency domain analysis, state space analysis, and more to Maple’s already extensive mathematical

tool set.

Pilot users of Maple 12 have responded positively. “Changes in Maple 12 have made it much easier for me to program big calculations. Once I understood the efficacy of this method, my code became not only faster, but much easier to read and understand,” said Dr. Marvin Weinstein, Theoretical Physicist at Stanford Linear Accelerator Center.

Major new features of Maple 12 include:

**Connectivity to CAD systems and the engineering workflow**

• In addition to the ability to connect Maple 12 and popular CAD systems directly, users are now able to deploy mathematical capabilities to extend the range of analysis on CAD models. In addition, Maple 12’s knowledge-documentation tools allow engineers to tag designs electronically with rich technical documentation and calculations. As a result, design calculations are integrated seamlessly into the overall engineering workflow.

• Additional connectivity innovations include MATLAB® code import and translation to enable the easy migration of legacy code to new Maple documents, and database connectivity to allow Maple 12 applications to directly access external datasets stored in popular SQL databases.

**New Analysis Tools**

• The new Dynamic Systems package offers a large selection of analytic and graphing tools for linear time-invariant systems, which are essential in control systems development.

• New Wavelets support provides easy access to the most powerful suite of wavelet tools in any general-purpose computation package. Wavelets are emerging as next-generation analytical techniques in key areas such as image processing and have begun to replace more traditional techniques such as FFT.

• New plotting capabilities simplify the creation of complex engineering plots. New plot types include dual axis plots, polar plots, and specialized engineering plots such as frequency domain responses and root-locus plots.

• Major enhancements to the differential equation and differential-algebraic equation (DAE) solvers strengthen Maple’s world-leading position in this critical area.

**Smarter Documents**

Maple’s exclusive smart document technology is greatly enhanced with a range of new features. Performing even the most complex mathematical task or creating the most sophisticated technical application is easier than ever.

• Improvements to customizable interactive components: Users now have a greater choice in buttons, controls, and other interface tools. In addition, the new Exploration Assistant allows users to create interactive mini-applications to explore the parameters of their expressions instantly.

• Code editor: For advanced users who develop custom code, Maple 12 includes tools that make Maple scripts and procedures easier to write. The code editor makes the creation of any advanced application faster; the final result is easily distributed, attractive, and easy to use.

• “Clickable” enhancements: Maple has received rave reviews for its “clickable” approach to math, which uses mouse clicks, menus, and palettes, and more, instead of the conventional command-line approach still in use by many systems. Maple 12 offers a wide range of improvements that enhance the overall usability of the system.

**Pricing and Availability**:

Single user professional licenses of Maple 12 are available for US $1895. Volume and upgrade discounts apply. Maple 12 is available directly from the Maplesoft Web Store or by contacting Maplesoft Sales at 1-800-267-6583. Outside of the US & Canada, the product is available from your local Maplesoft reseller.

*Click here to return to Contents*

***McGraw-Hill Construction Extends Building Product Content to Millions of Autodesk Designers***

6 May 2008

McGraw-Hill Construction (MHC), part of The McGraw-Hill Companies, and Autodesk, Inc. announced a new partnership that will extend the rich building product content of MHC's Sweets Network to millions of Autodesk designers using the new Autodesk® Seek web service. By connecting building product manufacturers to architects and engineers inside their design applications, MHC continues its commitment to integrate best-in-class content into workflow applications easily accessible to design and construction professionals.

Together, Mica leading provider of design and construction information and intelligence in North America, and Autodesk will enable designers to search, select, and specify building products directly from their Autodesk applications. Adding Sweets content to the designer's workflow reduces the time spent searching for and creating building product information during the design project.

"Building product manufacturers who participate in the Sweets Network will be easily found through Autodesk Seek, allowing their product content to be accessible at the very point when the end user is seeking their products," said Per Lofving, senior director, McGraw-Hill Construction. "We are delighted to be partnering with Autodesk, connecting the MHC Network with the most widely used design workflow applications," he added.

"By combining the speed and efficiency of Autodesk Seek with the breadth and quality of building product information in the Sweets Network, we have a powerful new solution for the millions of designers and building product manufacturers we serve together," said Jeff Wright, director of Autodesk Content Solutions.

Inclusion of Sweets content in Autodesk Seek will enable building product manufacturers to:

-- Reach millions of highly qualified AutoCAD® and Revit® software application designers who specify product information directly into designs from their desktops

-- Integrate rich information beyond simple product pages including catalogs, CAD details, 3D Revit models, and 3-part specifications

-- Increase awareness of designers' activities and identify sources of product inquiries, thus enabling continued relationship building

Demonstrations of Sweets content in Autodesk Seek, http://seek.autodesk.com/ will be available at the McGraw-Hill Construction booth #15011 at the AIA 2008 National Convention and Design Exposition at the Boston Convention Center on May 15-17.

*Click here to return to Contents*

### *Mentor Graphics Announces Partnership with NXP Semiconductors for Design-for-Test Tools and Technology*

6 May 2008

Mentor Graphics Corporation announced a partnership with NXP Semiconductors in which Mentor's Design-for-Test (DFT) products will be used by NXP Semiconductors to further improve the quality and time-to-market of NXP's solutions. The agreement provides NXP with Mentor's DFT solutions, including the TestKompress® compressed pattern generation and the YieldAssist™ failure diagnosis tools. It also provides interim support for NXP's test tools.

"NXP believes that a partnership with Mentor Graphics is the most effective way to continue to meet our manufacturing test needs and to deliver the highest quality devices to our customers." said René Penning de Vries, senior vice president and chief technical officer, NXP Semiconductors. "First-Time-Right being a crucial element of the manufacturing and design process, NXP selected Mentor's technology for testing before tapeout and silicon to help improve our time-to-market. Mentor combines industry-leading design-for-test technology with a proven software development and support organization. Our partnership allows NXP to use commercial DFT tools without disrupting any of our critical design projects."

Under the agreement, Mentor Graphics also obtains rights to NXP's internally-developed test tools, technology and talent as a portion of NXP's DFT tools development organization joins Mentor's Design-for-Test product division. This division of Mentor is also establishing a new R&D facility in Hamburg.

"We're excited about our new business relationship with NXP. It not only brings new DFT technology to Mentor, but also brings the talent of world-class DFT developers which will help us accelerate the development and delivery of innovative DFT technologies into the marketplace," said Joe Sawicki, vice president and general manager of the Design-to-Silicon division at Mentor Graphics. "We expect the partnership to produce dividends for both parties and ultimately to create value that can be passed on to all Mentor DFT customers."

*Click here to return to Contents*

### *Open Text Enhances the Value of SAP NetWeaver Portal with Market Leading Web Content Management Capabilities*

6 May 2008

Open Text™ Corporation said that it will showcase its RedDot Web Solutions for use with SAP® solutions this week at the SAPPHIRE® 2008 Orlando conference. With RedDot Web Solutions, organizations can further enrich the user experience by expanding the portal's use to a one-stop, aggregated online resource for documents, information and other forms of unstructured content that inform their users of essential aspects of the business.

In many organizations today, the SAP NetWeaver® platform is a major element in providing a secure, single point of access to business information for all knowledge workers throughout an organization. These portals unify the user experience amongst all integrated applications by providing permission-based access enhanced with single sign-on.

RedDot Web Solutions complement the content management capabilities of the SAP NetWeaver Portal, helping organizations to administer and deliver personalized content within the portal environment. The

Open Text solution helps content owners apply business rules to their content, further allowing them to choose their audience and helping to ensure that the right person gets the right content at the right time. Organizations around the world are leveraging RedDot Web Solutions to enhance their portal environments in key ways:

iView for easy creation of personalized portal pages

Integration TREX - a structured and unstructured data processing component of SAP NetWeaver - provides secure and personalized federated search for all portal and Web content

Portal Navigation Manager offers easy management of the entire navigation structure of SAP NetWeaver Portal, allowing synchronization of content across multiple Web properties

"RedDot Web Solutions for use with SAP applications enables us to provide our international staff with individual access to company knowledge," said Vera Schormann, Head of the Knowledge Management Department at B. Braun Melsungen AG. "We can provide content as well as applications in accordance with authorizations, depending on the hierarchy level, the location, field and other factors. It is evident that the B. Braun Knowledge Center has a lot of potential for optimizing internal information and communication processes."

"A unified access to both applications and content is key to many portal initiatives. Users require a compelling personalized user experience while having full access to all of their SAP applications," said Daniel Kraft, President of RedDot, the Open Text Web Solutions Group. "RedDot Web Solutions for use with SAP boosts productivity and overall effectiveness for organizations that have made significant investments in SAP NetWeaver."

Open Text's solutions portfolio for use with SAP solutions is built on two decades of partnership and co-development, and expertise gained from delivering solutions at more than 2,700 SAP customer sites around the world.

Open Text at SAPPHIRE 2008 Orlando

Open Text will be exhibiting RedDot Web Solutions in booth No. 1472 at SAPPHIRE 2008 Orlando and the 2008 ASUG Annual Conference. For more information on Open Text's participation, go to: http://www.opentext.com/events/event.html?id=6712663

*Click here to return to Contents*

***Siemens PLM Software Adds Support for the European Reach Regulation to its Teamcenter Suite***

5 May 2008

Siemens PLM Software announced it has added support for the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) regulation, the new European Community Regulation on chemicals and their safe use, to the integrated compliance management capability of its Teamcenter® software portfolio. Teamcenter enables organizations to streamline the tracking of chemical substances required for REACH compliance by making these requirements an integral part of the product development process.

“We are committed to partnering with our customers to stay one step ahead of evolving regulations like REACH,” said Steve Bashada, vice president of Teamcenter Applications, Siemens PLM Software. “With Teamcenter’s new REACH regulation support, companies can easily collect, compile, aggregate and analyze information describing the chemical constituents of its organization’s products, thus

ensuring compliance and avoiding REACH-related supply chain disruptions."

Holistic approach to compliance management

The REACH regulation was introduced in June 2007. It is considered the strictest law to date regulating chemical substances and will impact product manufacturers in aerospace, automotive, high-tech and electronics, apparel, and other industries throughout the world. The REACH regulation requires all chemicals that are imported into the European Union in quantities greater than one metric ton per year to be tested for health and safety and registered with the European Chemicals Agency located in Helsinki, Finland. For product manufacturers, this means that some parts and materials they buy may become more costly or restricted based on how they are used in their products. The REACH regulation also restricts the use of so-called substances of very high concern (SVHC) in products. The SVHC list is expected to ultimately include 1,500 to 3,000 substances. The REACH regulation requires companies to be prepared to disclose information about the SVHC in their products within 45 days of the request.

Integrating REACH regulation support into a company's complete lifecycle process is consistent with Teamcenter's holistic approach to compliance management. With Teamcenter, REACH regulation requirements can be gathered and tracked up front in the product development process. As the product evolves, Teamcenter tracks substance information from the bill-of-materials (BOM) and generates reports of the quantities of each substance contained in the BOM. Organizations are then able to actively track all substance information as part of the product development process and maintain full traceability of the impact of any changes to the root source as they move forward.

By helping ensure REACH regulation compliance, Teamcenter eliminates the supply chain disruptions, delays and costs associated with compliance management. In addition to its new REACH regulation support, Teamcenter facilitates compliance with a wide range of environmental regulations governing businesses throughout the world including ELV, RoHS and WEEE directives.

REACH support is part of the Teamcenter environmental compliance solution which was developed through a partnership with Synapsis Technology, Inc. The solution is powered by EMARS® software, Synapsis' industry proven system for environmental compliance management. Synapsis provides supply chain and high-tech electronics industry-specific knowledge and software add-ons that complement the capabilities of Teamcenter.

For more information on Siemens PLM Software's initiative on environmental sustainability, please go to http://www.siemens.com/teamcenter and select "compliance management."

*Click here to return to Contents*

### *SoftinWay Unveils Powerful New Solvers for AxSTREAM Turbomachinery Conceptual Design and Optimization Suite at ASME/IGTI Turbo Expo 2008*

6 May 2008

SoftInWay announced that it will be unveiling set of new Streamline Solvers in the AxSTREAM™ Turbomachinery Conceptual Design and Optimization Suite.

New solvers now give AxSTREAM the capability to perform streamline analysis on a greater level, one of the most effective but complicated tasks to model in flow path design practice. A few of the features and benefits of these new capabilities are:

- Axisymmetric analysis of multi-staged flow paths for turbines and compressors

- Streamline solver runs multiple times faster than mesh-oriented through-flow calculations and allows the use of validated empirics.
- Allows the introduction of auxiliary elements in flow-path (ducts, inlet/outlet devices, HEX, etc).
- Axisymmetric analysis of turbines and compressors flow-paths with counter-rotating blade rows.
- Calculate multi-staged centrifugal/mixed compressors flow-paths.

In addition, SoftInWay has developed a new Euler 3D flow solver to determine 3D flow characteristics which gives the opportunity to evaluate designs without having to go outside the design system to create mesh and perform 3D CFD.

“The introduction of these new solvers to AxSTREAM significantly increases the designer’s capability to optimize the complete flow path even so complicated designs such as low pressure section of steam turbines,” stated Mr. Petr Pagur, Director of Software Development for SoftInWay.

These new features and capabilities will be demonstrated at the Stage Presentation in the exhibit hall at 1 PM on Tuesday, June 10. On-going demonstrations of AxSTREAM will be conducted at SoftInWay’s exhibition booth, #104, throughout the conference.

*Click here to return to Contents*

### *Spatial and Kubotek Renew Long-term Partnership Agreement*

8 May 2008

Spatial Corp. and Kubotek Inc., makers of geometry-based KeyCreator® computer-aided design (CAD) software, renew their World Class partnership by announcing a new contract and commitment between the two companies. The new agreement enables Kubotek to further enhance their product line using Spatial's 3D component technologies as their foundation, and increases Spatial's level of support and services. The agreement is designed to further Kubotek's commitment to their customers.

"We have been very pleased with our on-going relationship with Spatial. They share our dedication to providing customers the very best products and services. We signed this agreement because we are completely focused on offering the best 3D CAD software and translation solutions in the market, and Spatial's ACIS and InterOp products are key components of our product and strategy," Mark Parent, COO, Kubotek USA.

Spatial components are the building blocks and foundation for Kubotek's software. Kubotek licenses Spatial's 3D Modeling and Interoperability products including the 3D ACIS® Modeler, 3D ACIS PHL V5, ACIS Deformable Modeler, 3D InterOp Translators, 3D InterOp Manufacturing Options, and Select Support, one of Spatial's premium support packages. Kubotek's product line includes the flagship mechanical CAD software, KeyCreator™, which brings together multidimensional design and drafting, NC programming and reverse-engineering capabilities. Kubotek's other products include REALyze™ multiCAD data exchange tools, Kubotek Spectrum™ multiCAD viewer, and Validation Tool™.

Kubotek now imbeds Spatial's 3D InterOp and Manufacturing Option Suites within KeyCreator. The 3D InterOp Suite helps KeyCreator's manufacturing base of customers provide timely, reliable data translation for popular file formats. These components translate product structure, 3D geometry and common non-geometric data such as names, color, layers and coordinate systems. The 3D InterOp Manufacturing Option components are plug-in options that further improve productivity by enabling manufacturing information such as geometric tolerances and dimensions to be translated directly from a

3D source format, removing the need to re-enter data already captured in the design. KeyCreator customers have a distinct advantage over their competitors with this unique translation capability.

"Spatial and Kubotek have had a close working relationship for over 10 years. Both companies determined that it would be a good idea to update our agreement to better fit today's product development needs and business challenges. The result is a closer relationship that best suits Kubotek and their customer's needs," stated Keith Mountain, CEO, Spatial. "Spatial is responsive to our customer's evolving needs and is committed to providing the very best products, services and mutually beneficial business relationships to address them."

The new contract between Kubotek and Spatial provides Kubotek with tighter product integration, an enhanced level of support services, pricing and packaging flexibility, and a royalty agreement that aligns both companies business objectives. This new contract supports Kubotek's customers ability to purchase products configured in new ways, and supports Kubotek's commitment to providing the highest level of customer support for their customer's most challenging modeling needs.

*Click here to return to Contents*

### *STAR-CD V4.06 - Mould Breaking CFD*

7 May 2008

CD-adapco announced the release of STAR-CD V4.06, the fourth major release of STAR-CD V4.

Since its first release 20 years ago, STAR-CD has established a reputation for versatility and its ability to tackle problems involving complex multiphysics and complicated geometries (using stationary or moving meshes). In the latest release, STAR-CD V4.06 further enhances this reputation with an improved meshing process and the ability to simulate physics phenomena that have, until now, been beyond the reach of mainstream Computational Fluid Dynamics (CFD) technology.

“More than just a CFD code, STAR-CD V4.06 is an integrated CAE platform for performing powerful multi-physics simulations, including: combustion; multiphase flow; heat transfer; conjugate heat transfer; melting and solidification; and stress”, explains CD-adapco President Steve MacDonald. "While other CFD vendors are content to simply build upon their existing software architecture, we have achieved our aim of basing all of our product lines on the most advanced solver technology available.”

In particular, STAR-CD V4.06 provides benefits for CD-adapco’s extensive community of Internal Combustion Engine designers and engineers. According to VP Product Management, Jean-Claude Ercolanelli: “We have extensively tested STAR-CD V4.06 against a range of complex industrial engine simulation examples, and we are now confident that it delivers the same level of accuracy and robustness that our users have come to expect from our products, while providing additional benefits through polyhedral meshing, an enhanced physics models and better parallel performance.”

Users of STAR-CD V4.06 will also benefit from enhancements to existing capabilities and the addition of a number of key new features:

- Improved treatment of porous media and polyhedral meshes
- Enhancements to parallel file handling have significantly improved the scalability of STAR-CD V4.06 compared to other CFD codes
- Additional options for finite volume stress analysis including; orthotropic elastic materials, automatic time step control based on plastic strain and improved solution mapping from mesh to mesh

• Improvement of melting and solidification and casting model to incorporate FV stress solution, oxide layer tracking and support for semi-permeable baffles

• Integration of the latest CD-adapco meshing technology

• Discrete element modeling (DEM) for the study of granular transport such as hopper flows, sand blasting and heap formation (available as a beta feature)

The STAR-CD V4.06 is now available from CD-adapco's User Services site, or from your local CD-adapco office.

*Click here to return to Contents*

***TGrid 5.0 Advances Automatic, High-Quality Meshing Tools for Increased Productivity***

9 May 2008

ANSYS, Inc. announced the release of version 5.0 of its TGrid™ advanced mesh generation software. TGrid technology is a specialized pre-processor for fluid flow analysis. It is used to create large unstructured tetrahedral and hex-core meshes for complex geometry. The software is utilized heavily in large-scale automotive and aerospace applications, in which advanced meshing techniques are required for the computational analysis of fluid flow. This latest version of TGrid software introduces new tools and enhanced capabilities to generate high-quality meshes more efficiently. In addition, this release exhibits a continued commitment by ANSYS to deliver best-in-class meshing technology.

"This latest release of TGrid software is a prime example of how ANSYS provides the right meshing solution for the right problem," said Brian Drew, vice president at ANSYS, Inc. "Our portfolio comprises a deep and comprehensive suite of meshing technology that supports Simulation Driven Product Development™. We intend to continue core technology improvements in order to reduce the meshing bottleneck, producing best-in-class tools designed to address all kinds of applications."

In today's automotive industry, front-end underhood thermal management (UTM) represents one of the most challenging meshing applications. TGrid 5.0 software addresses this by capturing best practices and automating the meshing - once a manual, time-consuming task - required for this class of problems. The surface wrapper method is newly equipped with a revolutionary fully automatic leak/hole detection and fixing algorithm; this eliminates tedious manual cleanup of the often-dirty underhood geometry. A single surface recovery technique for thermal shields is available in TGrid 5.0. Combined with shell conduction models available in FLUENT® software, the result is efficient and accurate UTM solutions. The entire underhood wrapper-based meshing process has been encapsulated using journal file capabilities in TGrid for overnight batch execution. Moreover, the user interface now exposes key parameters and automates specific details, such as meshing heat exchanger zones and inserting cylindrical domains for moving reference frames in the fan region. Similar techniques could be used to develop customized wrapper automation for other industry applications.

"We are observing significant productivity improvements on several fronts with TGrid 5.0," said Alexis Scotto d'Apollonia from the vehicle engineering numerical modeling department at PSA Peugeot Citroen. The company deployed TGrid software for automotive external aerodynamics, underhood thermal management and passenger thermal comfort. "Besides overall speed enhancements, we are able to use the wrapper to quickly change parts or full assemblies in engine configurations. The new prism layer technology is avoiding tedious manual surface mesh preparation and decomposition. The gain for end users will be substantial."

With this release, a new tetrahedral meshing algorithm, combining the speed of Delaunay and the quality of an advancing front, has been added to the TGrid meshing arsenal. This new technology in conjunction with an advanced initialization scheme and several quality enhancing tools leads to improved accuracy of the fluid flow analysis. In addition, enhanced prism layer operations now include fully automatic proximity handling to support highly complex geometry. Finally, a new cavity re-meshing module allows users to swiftly replace parts and components without re-meshing the full model.

"The new tetrahedral meshing in TGrid 5.0 is absolutely fantastic: It is the most reliable tetrahedral mesher that I have ever used," said Brian R. Thompson, analyst at the aerodynamics department of Raytheon Missile Systems, which has been beta testing TGrid 5.0 on aerospace applications. "The tool allows me to specify a growth rate and has improved ability to remove highly skewed sliver cells. It produces high-quality smooth tetrahedral meshes every time."

*Click here to return to Contents*

***The MathWorks Introduces Communications Blockset 4***

5 May 2008

The MathWorks announced the availability of Communications Blockset 4, which extends Simulink with a comprehensive library of blocks for designing, simulating, and verifying the physical layer of communication systems.

The latest version provides enhanced support for code generation and examples of important features of WiMAX and Long Term Evolution (LTE) communications systems. The code generation capability enables faster simulation on multicore computers, and the expanded modeling library lets wireless and communications engineers simulate next-generation wireless systems that use higher bandwidth and more complicated signal processing technologies.

Communications Blockset 4 offers expanded fixed-point support implemented for library blocks that are useful for engineers developing 3G and 4G wireless communications systems. Additionally, a new multiple-input and multiple-output/orthogonal frequency-division multiplexing (MIMO/OFDM) demo highlights the use of Embedded MATLAB functions for implementing space-time block codes. MIMO, OFDM, and space-time block codes are being used in the development of WiMAX broadband wireless systems scheduled for widespread marketplace introduction in 2009. Communications Blockset is also being used by aerospace and defense engineers to develop next-generation radars and electronic warfare systems.

Key Features of Communications Blockset 4

Blocks for designing and simulating the physical layer of communications systems, including source coding, block and convolutional coding, interleavers, filters, and modulators

Sources, such as random integer and binary generators, PN and Gold code sequences, and sinks, such as error-rate calculations, eye diagrams, and constellation plots

Channel models, including AWGN, Multipath Rayleigh and Rician Fading, and RF impairments, including nonlinearity, phase noise, thermal noise, and phase and frequency offsets

Integration with MATLAB and Communications Toolbox for post-simulation analysis

Channel visualization tool for visualizing and exploring time-varying communications channels

**Pricing and Availability**

Communications Blockset 4 is available immediately for the Windows, Linux, Solaris, and Macintosh platforms. U.S. list prices start at $1,000.

*Click here to return to Contents*