CIMdata

PLM Industry Summary

Editor: Christine Bennett

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Contents

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Acquisitions

Bentley Expands Professional Services for Structural Engineering and Plant Application Users in North America

27 August 2008

Bentley Systems, Incorporated announced that it has acquired Struc-Soft Inc., a leading Montreal-based reseller and developer of 2D and 3D engineering, construction, and fabrication products for analysis, design, and drawing production. Struc-Soft has been the exclusive North American reseller of Bentley's ProSteel 3D structural steel detailing and fabrication software since 2000, and also offers custom-developed ProSteel add-ons for specialized applications such as stairs, light-gauge walls and trusses, offshore platforms and jackets, pressure vessels, and towers. Through its team of certified engineering professionals, Struc-Soft also provides expert services for ProSteel users – from consultation and customization to implementation, training, and long-term support.

The Struc-Soft structural group focuses on software for buildings and plants. It will serve as a Bentley center of excellence in North America for users of Bentley's extensive portfolio of products for structural steel and concrete detailing, fabrication, and construction.

The Struc-Soft plant group provides products and services for oil and gas, pulp and paper, mining and metals, pharmaceutical, chemical, manufacturing, food processing, and other plant projects throughout eastern Canada. Its clients range from small consulting firms to global engineering/procurement/construction contracting firms and owner-operators. Among them are SNC-Lavalin Group Inc., BPR-Bechtel, and Petro-Canada. The plant group will become a Bentley center of excellence in Canada for users of Bentley's extensive portfolio of plant applications.

Commenting on the acquisition, John Riddle, Bentley senior vice president, Global Plant and Building, said, "We welcome to Bentley Systems George Ajami, co-founder and former president of Struc-Soft, and his partner, Diane Hansen, co-founder and former vice president of Struc-Soft, along with their teams of highly qualified structural and plant professionals. Their combined expertise and experience in providing and supporting engineering solutions for structural steel and plant projects will be a valuable addition to Bentley's extensive professional services offerings.

"At the same time, we look forward to integrating into the Bentley portfolio many of the customized, value-add products that the Struc-Soft team developed to serve special workflow requirements of structural engineers, steel and concrete detailers and fabricators, steel erectors, contractors, and plant designers. These products will further increase the depth of Bentley's comprehensive software solutions for the lifecycle of infrastructure."

Ajami, who was just named Bentley director, Global Structural Professional Services, said, "We are extremely pleased to become an integral part of the Bentley team and firmly believe this acquisition will enable our users to achieve increased project quality and new levels of efficiency and productivity. We look forward to further enhancing Bentley's comprehensive portfolio of integrated solutions for sustaining infrastructure."

Bentley plans to conduct Struc-Soft business under a Bentley brand. The name Struc-Soft will remain the property of its original owners.

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HP Completes $13.9 Billion Acquisition of EDS

26 August 2008

HP announced that it has completed its acquisition of Electronic Data Systems Corporation (EDS), creating a leading force in technology services.

With this acquisition, initially announced on May 13 and valued at an enterprise value of approximately $13.9 billion, HP has one of the technology industry's broadest portfolios of products, services and end-to-end solutions. The combined offerings are focused on helping clients accelerate growth, mitigate risks and lower costs.

The acquisition is, by value, the largest in the IT services sector and the second largest in the technology industry, following HP's acquisition of Compaq, which closed in 2002. The companies' collective services businesses, as of the end of each company's 2007 fiscal year, had annual revenues of more than $38 billion and 210,000 employees, operating in more than 80 countries.

"This is a historic day for HP and EDS and for the clients we serve," said Mark Hurd, HP chairman and chief executive officer. "Independently, each company is a respected industry leader. Together, we are a global leader, with the capability to serve our clients – whatever their size, location or sector – with one of the most comprehensive and competitive portfolios in the industry."

As a business group, EDS, an HP company, will be one of the market's leading outsourcing services providers – with the ability to provide complete lifecycle capabilities in health care, government, manufacturing, financial services, energy, transportation, consumer & retail, communications, and media & entertainment. As previously announced, the group is led by Ron Rittenmeyer, president and chief executive officer, who had served as EDS' chairman, president and CEO. It remains based in Plano, Texas.

"Today marks the beginning of an exciting new era," said Rittenmeyer. "Clients will benefit from the breadth and depth of our solutions, our commitment to unsurpassed quality and our ability to provide truly global service delivery. With the resources of HP's renowned R&D and world-class technologies, we have an opportunity to truly redefine the technology services market."

HP's Technology Solutions Group (TSG) will shift to EDS its outsourcing services operations, as well as portions of its consulting and integration activities. TSG will focus on servers, storage, software and technology services, such as installing, maintaining and designing technology systems for customers, as well as certain consulting and integration services.

"Clients will benefit from the combined scale and strength of our companies as they transform their technology environments," said Ann Livermore, executive vice president, TSG, HP. "This is an important step forward in our ability to help them solve their challenges through practical innovations that deliver valuable business outcomes."

New EDS leadership team

Rittenmeyer announced his leadership team for the new business group, representing a mixture of existing EDS direct reports, as well as new appointments from within EDS and HP. His direct reports are:

- **Michael Coomer**, 55, senior vice president, Asia Pacific & Japan, who held a similar role at EDS.
- **Joe Eazor**, 46, senior vice president, Transformation. He was previously responsible at EDS for corporate strategy and business development.
- **Bobby Grisham**, 54, senior vice president, Global Sales, who held a similar role at EDS.
- **Jeff Kelly**, 52, senior vice president, Americas, who held a similar role at EDS.
- **Mike Koehler**, 41, senior vice president, Infrastructure Technology Outsourcing (ITO) & Business Process Outsourcing (BPO), who held a similar role at EDS.
- **Andy Mattes**, 47, senior vice president, Applications Services. He was previously senior vice president, HP Outsourcing Services.
- **Maureen McCaffrey**, 45, vice president, Worldwide Marketing, who held a similar role at EDS.
- **Dennis Stolkey**, 60, senior vice president, U.S. Public Sector, who held a similar role at EDS.
- **Bill Thomas**, 48, senior vice president, Europe, Middle East & Africa, who held a similar role at EDS.

In addition, functional support will be provided by the following individuals, who will report into global functions at HP, consistent with the company's organizational model. They are:

- **Craig Flower**, 46, senior vice president of IT, reporting to Randy Mott, executive vice president and chief information officer at HP. Flower was previously HP's senior vice president for eBusiness, customer and sales operations.
- **Tom Haubenstricker**, 46, vice president, Finance, reporting to Cathie Lesjak, executive vice president and chief financial officer at HP. Haubenstricker was previously vice president and chief financial officer for EDS' EMEA region.
- **Deborah Kerr**, 36, vice president and chief technology officer, reporting to Shane Robison, executive vice president and chief strategy and technology officer at HP. Kerr was previously HP's vice president and chief technology officer for services.

• **Mike Paolucci**, 48, vice president, Human Resources, reporting to Marcela Perez de Alonso, executive vice president of Human Resources at HP. Paolucci was previously EDS' vice president of Global Compensation and Benefits/HR Business Development.

• **Sylvia Steinheiser**, 43, Vice President and Deputy General Counsel, Legal, reporting to Mike Holston, executive vice president, general counsel and secretary at HP. Steinheiser was previously HP's vice president, Legal, for the Americas.

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Infosys Announces its Plans to Acquire Axon Group plc

25 August 2008

Infosys Technologies Limited announced that it has agreed on terms for a recommended cash offer for a leading UK-based SAP consulting company, Axon Group plc in a deal valued at £407.1 million (INR33.1 billion1; US$753.1 million2). The transfer of ownership to Infosys is expected to be completed by November 2008, subject to the Scheme of Arrangement becoming effective.

Commenting on the transaction, Kris Gopalakrishnan, CEO of Infosys said, "We are excited about this acquisition. The strategic combination of our groups will accelerate the realization of our common aspiration - that of becoming the most respected provider of business transformational services in the global marketplace. We hold the management and employees of Axon in high regard and look forward to welcoming them to the Infosys Group."

Axon provides consultancy services to multinational organizations that have chosen SAP as their strategic enterprise platform and has about 2,000 employees. Specializing in the delivery of change through technology enabled transformation programs, Axon's consultants bring in-depth industry expertise alongside best practice functional knowledge to address the strategic, operational, information management and organisation effectiveness challenges faced by organisations today. Founded in 1994, today Axon has offices in the United Kingdom, North America, Malaysia and Australia.

For the year ended 31 December 2007, Axon reported profit after taxation of £20.2 million (INR1.6 billion1; US$ 37.4 million2) on revenue of £204.5 million (INR16.6 billion1; US$378.3 million2).

1 uses closing rate at 22 August 2008 of INR81.34/£

2 uses closing rate at 22 August 2008 of US$1.85/£

Infosys believes that the Acquisition will accelerate the achievement of some of Infosys' current strategic corporate objectives including the continued expansion of Infosys' consulting capabilities that are required to engage with the large business transformation programs of Infosys' marquee clients.

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Company News

CGTech Announces VERICUT® 'Super-User' Contest Winners

29 August 2008

CGTech announced the winners of its 2008 VERICUT Super-User contest. The contest was first announced in Irvine at the first of over 20 VERICUT User Exchange meetings held in 2008 as part of its

ongoing 20th anniversary celebrations. Customers were encouraged to submit their most interesting VERICUT simulation files and were judged on creativity, complexity and uniqueness.

"We are very pleased with the results of this contest. Our customers have shown amazing skill in their use of VERICUT and it was impossible to narrow the submissions down to one winner," said CGTech's President Jon Prun. "As a result, we decided to recognize the top four outstanding simulations."

The following NC programmers are recognized as 2008 VERICUT Super-Users:

- Don Moody of Precision Machine & Manufacturing for his M37 SNK Horizontal 5-axis mill
- Karlo Apro of CNC Software for his Haas VF2 5-axis vertical mill
- Yogesh Walimbe of Aesseal for his Mori Seiki GV503 5-axis machining center
- Shailendra Balkrishna Vaidya of TATA for his Haas 5-axis engraving machining

In addition to a 16GB iPod Touch, the winners will receive a VERICUT simulation to load on their new iPods.

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'Global Delivery – An Essential Guide' from INCAT Presents the Case for Engineering Services Outsourcing

28 August 2008

INCAT announced the worldwide release of a new booklet, "Global Delivery – An Essential Guide to Engineering Services Outsourcing." The 50-page guide provides readers a definitive summary of the business of Global Delivery and how to approach it, as well as what – and where – to deploy. It is available in both print and electronic versions.

"Product development is going global," said Sunil Sachan, Senior Associate – Booz Allen Hamilton, in the guide's introduction, "and companies that started offshoring support functions – IT and BPO – are now increasingly looking at offshoring core functions including product development and engineering activities.

"Companies should view global engineering as a long-term play, requiring careful selection of what is done, where and by whom."

This new guide from INCAT was produced to help organizations facing these choices make informed decisions. In addition to a summary of the concept of Global Delivery, the guide provides a look at how Global Delivery benefits the automotive, aerospace and discrete manufacturing industries; as well as a Global Delivery Check List, to assist organizations in self-examination regarding their Global Delivery needs and the benefits they will realize. There also is a helpful glossary of Global Delivery and ESO terms.

"INCAT is currently defining the global ESO landscape," said INCAT CEO Warren Harris. "With the publication of this booklet, we are providing insights that will foster a wider understanding of the value of Global Delivery, and will make clear to organizations setting out in this direction that, as the industry leader, INCAT is their best partner on that journey."

To download an electronic copy of INCAT's "Global Delivery – An Essential Guide to Engineering Services Outsourcing," go to http://www.incat.com.

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ITI Announces Leadership Promotions

29 August 2008

International TechneGroup Incorporated (ITI),now celebrating its 25th year in operation, announced promotions to the company's senior leadership team. Chairman of the Board, Michael Lemon, has added the duties of Chief Executive Officer to his responsibilities. Chief Financial Officer, Tom Gregory takes on the additional role of Chief Operating Officer. Steve Robinson has been promoted to Executive Vice President and President of ITI's New Product Development consulting business. The company's Executive Management team also includes Donald Hemmelgarn, existing Executive Vice President and President of ITI TranscenData.

Michael Lemon - Chairman & CEO

Mike has been with ITI since its inception and has held several positions, mainly providing direct technical services to Engineering projects. Working in the area of Technical Data Interchange over several years, he has been implementing virtual technology to support engineering process, collaboration and knowledgebase. Previously, Mike served as Vice President of ITI's Virtual Product Development business, a group doing pioneering work in global collaboration. They were among the earliest groups to deploy secure web-based technology for product development and to interface with engineering WIP systems.

Tom Gregory - Executive Vice President, COO & CFO

Tom has been with ITI since 1998 and has a diversified background in finance, accounting and operations including small private company and large public company experience. While with publicly traded companies he has participated in an IPO, a secondary offering, has managed credit lines in excess of $175 million, and been involved in 15 acquisitions.

While with privately held companies Tom has led four acquisitions and arranged for or refinanced $20 million of secured funding. Tom has been chair of ITI's operating management board prior to this position.

Steve Robinson - Executive VP; President, ITI CPPD

Steve is responsible for the overall direction of ITI's New Product Development consulting business. Steve's experience includes more than 30 years experience in managing million dollar projects which include technologies and products in Finite Element Analysis and Testing, Machine Design, Field Testing and Troubleshooting. Steve also has a wealth of experience utilizing both analytical and testing techniques in solving structural integrity and dynamics problems related to a wide variety of equipment. A 1974 graduate of Kansas University, Steve completed his graduate studies at the University of Missouri at Rolla.

Don Hemmelgarn - Executive Vice President; President, ITI TranscenData

Don's responsibilities include managing ITI's product data interoperability business ITI TranscenData. Since joining ITI in 1984, Don has been instrumental in the company's transformation from a software development organization to the world's leading provider of product data interoperability solutions. In addition to his duties at ITI, Don serves as an Officer and Executive Committee member of the PDES Inc. Executive Board, and formerly served as a longstanding member of the board of directors for the

US Product Data Association.

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Ministry of Science & Technology and Bentley Launch 2008-2009 Future Cities India 2020 Competition Finals

27 August 2008

The Ministry of Science & Technology, Government of India and Bentley Systems, Incorporated launched the 2008-2009 Future Cities India 2020 competition finals. Currently in its third year, the competition encourages students to help prepare India's cities for the year 2020 by providing design solutions to real-world infrastructure challenges. This year's competition challenge focuses on Indian Railways' recently announced plans to redevelop 22 of its centuries-old railway stations into world-class facilities. Students must create a conceptual design plan to upgrade the New Delhi Railway station, the first facility on Indian Railways' redevelopment schedule. The program, which is open to all students attending schools in New Delhi and the National Capital Region (NCR), is sponsored by the Department of Science and Technology (DST) and Bentley Systems. Additional co-sponsors this year include McGraw-Hill Education and The American Center.

Scott Lofgren, global director of Bentley's BE Careers Network, said, "Infrastructure sustains our world and serves as the interface between people and our planet. It provides the critically important facilities, services, and installations needed for the functioning of our society and the well-being of its people.

"The people of India know this all too well and face the challenge of improving their infrastructure to help support the country's booming economy. Meeting this challenge will require many new architects and engineers, which is why Bentley believes it is important to get young people interested in these professions today."

Lofgren continued, "Future Cities India 2020 engages some of the brightest, most talented young minds of India in infrastructure design projects to encourage them to choose a course of study that leads to a career in one of the architectural, engineering, and construction disciplines. In doing so, this initiative helps sustain the infrastructure professions and, ultimately, will lead to more and better infrastructure for the people of India."

Each team in the 2008-2009 Future Cities India 2020 competition must address three requirements for designing the conceptual solution:

- Use the existing land and infrastructure to best advantage,
- Accommodate internal access zones, with separate parking zones at Paharganj and Ajmeri Gate terminals,
- Use environmentally responsible materials.

During a preliminary competition held last week, a panel of distinguished judges that included Dr. Purnima Parida of the Central Road Research Institute, Ms. Meenakshi Singh of the National Capital Region Planning Board, Mr. Anuj Maitrey of Infrastructure Leasing & Financial Services Limited, and Mr. Kapil Mangla of Nirman Architects & Interior Designers, selected the following 15 student teams to participate in the Future Cities India 2020 competition finals: Team 1 KV Tagore Garden, Team 1 Manav Bharti International School, Team 1 Modern School Vasant Vishar, Team 1 APJ School Sheikh Sarai, Team 2 APJ School Sheikh Sarai, Team 1 APJ School SAKET, Team 1 Oxford School, Team 1

Convent of Jesus & Mary School, Team 1 APJ School Noida, Team 1 APJ School Pitampura, Team 1 Vasant Valley School, Team 1 Father Agnel School, Team 1 APJ School Faridabad, Team 1 AIS SEC 43 Gurgaon, and Team 1 AIS Saket.

Winners of the competition finals will be awarded scholarships and trophies, and the teachers and technical professionals who serve as counselors and mentors will receive awards and recognition.

For more information about the Future Cities India 2020 competition, visit http://www.futurecitiesindia2020.co.in.

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NEi Nastran FEA Software Joins Intel® Certified Solutions Program

26 August 2008

NEi Software announced that its NEi Nastran Finite Element Analysis (FEA) engineering simulation software is being certified under the Intel® Certified Solutions Program. Software that successfully completes the process is awarded an Intel Certified logo providing increased confidence to users that the software meets third party standards for security, interoperability, and is enabled on Intel platforms with advanced technologies like multi-core processing. The Intel Certified Solution Program was launched August 20 at the Intel Developer Forum (IDF). NEi Nastran was included in the program proceedings and will be available on Intel's online global marketplace, the Intel® Business Exchange, bx.intel.com.

Commentary from both Intel and NEi Software addressed the importance standards play in the software marketplace. "Small- and medium-sized businesses depend on Intel technology to stay competitive," says J. Scott Harrison, Director Partner Programs Organization for Intel. "For those businesses, the Intel brand is a symbol of assured quality. When they see the Intel Certified logo, they know that it's a solution that they can trust."

CEO of NEi Software, David Weinberg, offered "We strongly believe in the importance of programs that help establish standards in the marketplace for software quality and performance. We are particularly enthusiastic about participating in Intel's Certified Solutions Program because of the expertise, resources, and reputation that Intel brings to the effort."

petroleum, offshore, medical, electronics, and consumer product industries. NEi's website features customer applications, video demonstrations, technical White Papers, and popular instructive webinars.

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Noran Engineering, Inc. Becomes NEi Software

27 August 2008

Noran Engineering, Inc. (NEi) announced that effective August 27 it will be changing the company name to NEi Software. "The name change was instituted to better convey to our business audience who we are and what our core business is" commented Dave Weinberg, CEO. "NEi Software is a global leader in the development of Nastran engineering analysis and simulation software which we market, sell, and support worldwide to a broad-base of industries via direct and indirect sales channels."

NEi Software's core product NEi Nastran Finite Element Analysis (FEA) solver works with all major pre and post processors. NEi Software sells, supports, and conducts training for Femap® by Siemens

PLM Software and its own in house brands NEiFusion™ and NEiWorks™ for SolidWorks®. NEi Software has led the industry with a number of technical and business initiatives. NEiFusion and NEiWorks broke down long standing barriers between designers and analysts by providing a Nastran tool for the design stage that was easy to use, highly accurate, and shared results with analysts. Moreover, they provided a single platform growth path for designers and new FEA users to more sophisticated analysis using an industry proven Nastran platform. NEi Software continues to develop new technologies that make engineering simulation more practical and feasible by reducing the time, cost, and effort required while improving the real world fidelity of virtual testing. The most recent examples include: Automated Impact Analysis (AIA™) for drop testing, Automated Surface Contact Generation (ASCG™) for modeling assemblies and shell like structures common in aircraft, ships and automotive, Progressive Ply Failure Analysis (PPFA™) for in depth analysis of composite structures, and Design Optimization which finds solutions to problems that have competing parameters. On the business side, NEi Software's Token Licensing System provides flexibility, accessibility, and economy in widespread operations by allowing a pool of users to share a central Nastran based software portfolio.

NEi Software has been proven in applications in aerospace, automotive, maritime, petroleum, medical, and consumer products. Companies gain a globally competitive product development process that promotes innovation, improves quality, and cuts time to market while delivering designs with the best manufacturing costs.

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RAND Worldwide Opens New Training Facility in Atlanta

26 August 2008

RAND Worldwide announced that it has opened a new training center facility in the Atlanta, Georgia region.

The new training center will provide instruction on all of RAND's CATIA and ENOVIA SmarTeam curriculum, developed by its ASCENT – Center for Technical Knowledge® division. A maximum class size of 10 people will be accommodated for each training class to provide greater one-on-one attention from RAND's certified instructors for increased knowledge retention.

"RAND has always dedicated its office and facility expansion to where our clients need us the most," said Joe Oswald, Executive Vice President PLM Operations, North America and Europe, RAND Worldwide. "Atlanta presents a great opportunity for our clients in Georgia to get the application training they need to create better designs, increase application efficiency, and bring better products to market faster."

The new training center is located at:

Atrium at Delk

2759 Delk Road, Suite 1350

Marietta, GA 30067

Training schedules for the center can be accessed at http://www.rand.com/training or by calling 1.877.726.3243.

RAND employs 50 full-time certified instructors globally and provides professional development programs for Autodesk®, Dassault Systèmes, PTC®, and other PLM software solutions. In addition to

standard classroom training, RAND offers a variety of training solutions including customized training and development programs, a personalized learning service to provide users with a desk-side mentor, and knowledge assessment tools designed to assist engineering application users to identify knowledge gaps for targeted training and improvement. In addition to its training services, RAND offers a portfolio of internally developed software products, software development, and Product Lifecycle Management consulting and implementation services. For additional information about RAND Worldwide and its training and professional services, please visit http://www.randservices.com.

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ThinkDesign 'Reforms' Descriptive Geometry

26 August 2008

The possibility of designing in three-dimensional space offered by digital modelling programs allows Descriptive Geometry to develop in new ways, both theoretical and applied. To demonstrate this premise, Prof. Riccardo Migliari, Permanent Lecturer in the Fundamentals and Applications of Descriptive Geometry at Rome's La Sapienza University, examined Apollonius' Problem and provided a general synthetic solution which is valid in a plane and in space. This solution is now practicable thanks to tools like ThinkDesign, think3's CAD software, used by Migliari to study, reform and teach Descriptive Geometry.

In a plane, the complete solution to Apollonius' problem requires a graphic construction which can be made using basic geometry tools, whereas in space it requires a three-dimensional graphic construction which only descriptive geometry methods can give. ThinkDesign offers a new way of interpreting descriptive geometry thanks to its powerful functions and the philosophy governing many of its commands which are capable of fully reflecting mathematical modelling theory.

The results of the studies carried out by Prof. Migliari on Apollonius' Problem will be published in September in two essays: "Representation as experimentation" (in the Ikhnos series) and "Apollonius' Problem and descriptive geometry" (in Disegnare Idee Immagini, an international journal published by Gangemi Editore with RADAAR, the Environment and Architecture Survey, Analysis and Design Department of 'La Sapienza' University in Rome).

"All the models developed as part of these studies," explains Prof. Migliari, "were constructed with ThinkDesign. This program is particularly suited to geometry experiments due its high level control of accuracy (1 micron) and its wealth of functions."

"In the last few years there has been growing awareness of the needs of modellers in the geometry environment for didactic and research use," specifies Migliari. "ThinkDesign is an accurate tool and very useful for analysing the work. For example, it allows us to understand whether a curve is quadratic or third order. Even though it is configured for industrial use, the theory on which it is based is perfect for university activity. It is easy to use, intuitive and particularly versatile as it allows the user to manage the mathematics of the shapes and to model both solids and surfaces in a user-friendly way."

The examination of Apollonius' Problem and its solution in virtual space demonstrates that how descriptive geometry is used, in research and teaching, can now be profoundly changed.

"My intention," concludes Migliari, "is to teach my students a new way of understanding descriptive geometry using a technological tool which is easy to use and extremely innovative like ThinkDesign. It is vital that descriptive geometry is reformed, taking account of the great cultural heritage of the past and

making use, at the same time, of new techniques."

For more information http://www.think3.com/en/Company/Educational.aspx

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Events News

Anark Showcases Innovative 3D CAD Transformation and Visualization Solutions at NVISION 2008

25 August 2008

Anark Corporation announced it will exhibit at NVISION 2008, the first visual computing mega-event, taking place August 25-27, 2008 in San Jose, California. Anark will demonstrate its automated 3D CAD transformation and 3D visualization products and solutions.

Anark CoreTM is a software platform that transforms native 3D CAD data for use throughout manufacturing design, engineering, and support organizations. Unlike conventional CAD tools and translators, Anark Core enables users to automate the modification of 3D product structure and geometry, and export revised product data into high-precision B-rep and lightweight mesh formats.

The Anark Media PlatformTM is a rapid application development tool for creating enterprise 3D visualization solutions. Its combination of flexibility, power, and user-friendly workflow enables professional interactive developers to successfully deploy enterprise visual applications such as product configuration, virtual catalogs, interactive training and marketing communication presentations.

At the event, Anark will demonstrate the latest release of the Anark Core Platform. This new version provides users with expanded conversion, transformation, and automation capabilities to cost-effectively prepare 3D product design data for visualization, simulation, CAE, and supply-chain-data-exchange applications. Version 2.0 also provides users with the ability to automate 3D product geometry and structure modification, and then export revised product data into high-precision B-rep and lightweight mesh formats including SolidWorks®, Inventor®, ACIS®, CATIA® V4/V5, Parasolid, STEP, NX (formerly Unigraphics), IGES, COLLADA, DWF, X3D, and VRML.

“We are pleased to take part in the first event to focus on the importance of visual computing, said Stephen Collins, CEO and President, Anark Corporation. “We look forward to demonstrating the new and innovative capabilities that have been added to Anark Core version 2.0, as well as our entire suite of 3D CAD transformation and visualization solutions.”

Stephen Collins, President and CEO of Anark Corporation will also be presenting at the NVIDIA Emerging Companies Summit, held August 26th and 27th at NVISION 2008. The summit highlights innovative leaders within the visual and high performance computing community.

Anark’s products will be on display at NVISION 2008 at the San Jose Convention Center, booth 130, on August 25-27, 2008. To schedule a demonstration prior to the show please contact Anark directly at solutions@anark.com

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ANSYS Previews Support for Windows HPC SERVER 2008; Simulation Software Performance to be Highlighted at 2008 International ANSYS Conference

25 August 2008

ANSYS, Inc. announced that preliminary performance data for its software running on Microsoft Windows HPC Server 2008 will be highlighted during the 2008 International ANSYS Conference to be held in Pittsburgh, Pennsylvania, in late August. The preliminary data shows substantial performance gains when running software from ANSYS on the new Windows operating system. Performance data will be presented at the ANSYS booth in the conference exhibition hall at 5:30 p.m. on Tuesday, August 26.

"ANSYS invests significant resources in optimization of our software for high-performance computing (HPC), and we have achieved some impressive performance gains on the latest solution from Microsoft," said Chris Reid, vice president, marketing at ANSYS, Inc. "The combination of ANSYS software and Windows HPC Server 2008 enhances cluster computing as an option for our customers who need more HPC capacity in order to expand the role of simulation in their engineering process — allowing engineers to work with larger data sets and perform complex analysis with shorter turnaround time." ANSYS plans full support for Windows HPC Server 2008 in upcoming software releases.

High-performance computing uses supercomputers and computer clusters to solve the advanced computing problems that are inherent in engineering simulation. Windows HPC Server 2008 combines the power of a Windows 64-bit server platform with out-of-the-box functionality to improve productivity and reduce complexity of users' HPC environment. It provides a comprehensive set of deployment, administration and monitoring tools that are easy to deploy, manage and integrate with existing infrastructure.

Early adopters of the solution include Spraying Systems Co., a world-leading manufacturer of industrial spray products for chemical, power, pharmaceutical and other process industries. Spraying Systems Co. invested in a Windows-based cluster in 2007, leveraging their existing Windows-based infrastructure and expertise. "The biggest benefit," said Rudolf Schick, vice president of spray analysis and research services at Spraying Systems Co., "has been the speed at which the company can achieve even complex computations, which has increased up to 12-fold. Using a dual or quad-core workstation is fine for smaller simulations, but for complex extensive simulations, even multi-core workstations couldn't complete the computations in a reasonable timeframe. We were delighted to obtain such dramatic results from our investment in a Windows cluster."

"As engineering simulations become more complex, customers using workstations are looking to move up to high-performance computing to improve performance and meet tight project schedules. Our relationship with ANSYS is key to Microsoft's commitment to helping companies get better products to market faster," said Kyril Faenov, general manager of HPC at Microsoft. "Windows HPC Server 2008 makes computing capacity more easily deployable and maintainable within existing infrastructures. Typical HPC solutions can be costly and complex, so we have designed a Windows-based HPC solutions to meet performance objectives for engineering simulations while still being easy to deploy, use and manage."

In addition to presenting at the 2008 International ANSYS Conference, Microsoft will be exhibiting and participating as a gold sponsor of the event. Visit http://www.ansys.com/events/conference2008/index.htm for more information about the conference.

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COADE CADWorx Plant Design Webinar September 4th to Focus on Intelligent Insulation

27 August 2008

COADE announced a new Webinar, scheduled for September 4, 2008, at 12 pm CDT, that will introduce CADWorx Plant's new Intelligent Insulation capability, featuring John Brinlee, sales manager, Plant Design Solutions for COADE. Insulation is an integral part of most piping designs and needs to be considered when laying out plant models. Brinlee will show how this new feature works and how to use it in your design work.

Another Webinar on the new CADWorx Design Review package is scheduled for September 18, 2008, 12 pm CDT, featuring David Little, director of Technology Research & Development at COADE. Details on these and other webinars can be found on the CADWorx User Blog at http://coade.typepad.com/cadworx CADWorx product details are available at http://www.coade.com.

About John Brinlee, webinar leader:

John Brinlee is sales manager, Plant Design Solutions for COADE, with extensive experience in piping and structural design using third-party applications such as AutoCAD. He has been involved in plant design technical product presentations and training sessions around the world for 18 years. Brinlee has collaborated on numerous training manuals, including the Pro-Series, AutoPLANT, and CADWorx. He was also the principal author of the Plant Design White Paper, a comparison of CADWorx 2002 and AutoPLANT 2.01, published in 2002.

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Delcam Announces 40 Partner Stands at IMTS

27 August 2008

Delcam will be working with more manufacturing partners than any other software supplier at the IMTS exhibition to be held in Chicago from 8th to 13th September. The company will be promoting its CAM and inspection software in association with 40 partners, including many of the world's leading providers of machine tools and inspection equipment.

The current list of partners is as follows: -

AXYZ	Booth B-6139
CG Tech	Booth D-3035
Citizen	Booth A-8560
CMS Group	Booth A-8020
Creative Automation	Booth B-6445
Cubic	Booth A-8286
DMG	Booth A-8501
Doosan	Booth A-8018
Eurotech	Booth D-4345
Faro	Booth D-4525
Fidia	Booth A-8740
Ganesh	Booth A-8660

GF Agie Charmilles	Booth A-8343
Gosiger Import	Booth A-8466
Hanwha	Booth A-8478
Hardinge-Bridgeport	Booth A-8032
Hermle	Booth A-8265
Hexagon/Romer	Booth D-4303
Kuka	Booth B-6000
Makino	Booth A-8301
Matsuura/Methods Machine Tools	Booth A-8517
Maier	Booth A-8043
Metris	Booth D-4447
Metronor	Booth D-4636
Millstar	Booth F-2701
Nakamura/Methods Machine Tools	Booth A-8517
Nomura	Booth A-8466
Northern Digital	Booth D-4553
Okuma	Booth A-8200
Renishaw	Booth D-4511
Roeders	Booth A-8050
Roku-Roku/MC Machinery	Booth D-4202
Seco Tools	Booth F-2247
SGS	Booth F-2235
Sodick	Booth D-4000
Star	Booth A-8552
Tornos	Booth A-8358
Tsugami/REM Sales	Booth A-8701
Yamazaki Mazak	Booth A-8101
YCM	Booth A-8531

"The last three years have seen Delcam gain a much higher profile in North America," claimed Delcam USA President Glenn McMinn. "This has come about partly as a result of the acquisition of established US CAM providers FeatureCAM and PartMaker, and partly because of increased sales of our existing PowerMILL, PowerSHAPE, ArtCAM and PowerINSPECT software ranges. The fact that we are working with so many partners at IMTS provides further evidence of our current high status in the US."

"Traditionally, we have been associated with the mold and die industry," added Mr. McMinn. "With the broader range of products we now offer, we are enjoying much wider success, especially in the aerospace, autosport and medical sectors."

"With the extended range of Delcam software, we can provide a programming system for virtually any machine tool that a company might have," claimed Mr. McMinn. "This means that visitors to the Delcam booth (D-3005) can be confident that they will find software to increase their productivity, reduce their lead times and improve their quality, whatever type of parts they want to manufacture or whatever kind of machine they run."

The combined product range of the merged companies has seen a much bigger response at a number of exhibitions in the last year, especially in Europe, with EMO in Germany, Industrie in France and MACH in the UK all attracting record numbers of visitors to the Delcam booths. Mr. McMinn and his North American colleagues know that they are under pressure to duplicate this success at IMTS. "We will be showing new products across our complete software range in Chicago," reported Mr. McMinn. "I am confident that these major product launches, together with the support of our partners, will ensure that our booth at IMTS will set even more records."

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DP Technology Debuts ESPRIT 2009 CAM Software at IMTS 2008

25 August 2008

DP Technology debuts the latest release of its flagship product, ESPRIT® 2009, at the International Manufacturing Technology Show, or IMTS, 2008, to take place Sept. 8-13 in Chicago, Ill.

This 27th edition of the North America's biennial premier manufacturing event is expected to feature exhibits from over 1,500 companies, and to draw an anticipated 91,000 visitors from 119 countries to Chicago's McCormick Place complex.

IMTS 2008 will serve as a staging ground for concrete innovations, conceptual knowledge, education and the sharing of ideas in the aerospace, automotive, machine shop, medical, metal forming and fabricating, and energy industries.

ESPRIT will be shown at booth No. D-3101, at which guests will be treated to big-screen, group and one-on-one presentations of the new product, as well as specialized individual training. This year, as part of the IMTS ESPRIT Customer Appreciation Days, visitors interested in individual, special training will be given the option of choosing from several topics — including General ESPRIT, Milling, Mill-Turn, Turning, Wire EDM, or a Special Topic of your choice. Those who sign up for training will meet engineers at the ESPRIT booth, in a semi-private meeting room away from the distractions of the show floor.

The latest version of ESPRIT CAM software is the result of DP's effort to create balance when addressing short and long-term needs, and include a significant number of enhancements and innovative new technologies for milling, turning and wire EDM part programming.

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Experience DELMIA's 2008 Customer Conference North America

August 2008

When: October 7-8, 2008

Where: Detroit, Michigan, Detroit Marriott at the Renaissance Center

Details:

At DELMIA's 2008 Customer Conference, North America**,** attendees will learn about the benefits that DELMIA V6 delivers with the next generation PLM 2.0 manufacturing solutions which help create, share, execute, and optimize virtual production systems.

Day one of the conference opens with featured presenter, Philippe Charlès, CEO of Dassault Systèmes Delmia Corp., who will speak about how DELMIA is positioned to meet today's product development and manufacturing challenges. Following Charlès will be informative keynote addresses from industry leading companies including:

- Airbus
- Bath Iron Works Corporation
- Connecticut Center for Advanced Technology, Inc.
- Munro & Associates, Inc.
- NASA Marshall
- Rockwell Automation
- SsangYong Motor *...and more being added!*

Day two opens with an Automotive and Transportation track, as well as Aerospace, Shipbuilding and Energy tracks. Following is an array of technical tracks covering several different topics. Attendees will be able to choose tracks such as Human Simulation, Automation, PLM Express, V6 and more. These tracks are structured to maximize the attendees' time and investment by allowing the choice of tracks that are most applicable to their industry and application focus. We will also offer a DELMIA Partner track where our partners will be showcasing their technologies.

A limited number of rooms at the Detroit Marriott at the Renaissance Center have been blocked at a special rate of **$149.00** for all conference attendees. For reservations, call 800.266.9432 or visit the web at https://resweb.passkey.com/go/DASSAULT2008. When making phone reservations, be sure to mention you are attending the DELMIA Customer Conference to receive the reduced room rate. Our special offer ends **Monday, September 15**, 2008

CONFERENCE REGISTRATION

Please check often for the latest agenda updates at www.delmia-cc.com.

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Fourth Annual Multiphysics Conference Poised to Set Attendance Records

26 August 2008

COMSOL, Inc., announced the Fourth Annual COMSOL Conference, a worldwide series of conferences

dedicated to the latest developments in multiphysics modeling, simulation, and virtual prototyping. The COMSOL Conference 2008 Boston, the first event in this year's sequence, will be held on October 9-11 at the Renaissance Boston Waterfront Hotel. The Conference tour then moves on to major cities throughout Asia and Europe with a final stop in Tokyo in early December.

"This year's worldwide COMSOL conferences will attract over 2,000 attendees, and include hundreds of user presentations," says Bernt Nilsson, Senior VP of Marketing with COMSOL. "The COMSOL Conference has become the event where scientists and engineers meet to shape the future through multiphysics simulation. It's a unique opportunity to learn about advances in multiphysics and to network with the world's leading academic, engineering, and scientific practitioners of multiphysics simulation and modeling."

Highlighting the COMSOL Conference 2008 Boston will be several technology overviews from COMSOL executives as well as inspiring keynote speeches by users of COMSOL. Keynote speakers at the conference will detail how multiphysics simulation plays a vital role in new technology for space exploration, groundbreaking nanomedical therapies, clean and efficient power generation from coal, and electromagnetic research.

Among the keynote speakers are:

• **Iouri Balachov**, Senior Scientist, SRI International, gives a talk titled "Clean Energy Technologies: Growing Need for Multiphysics Modeling." At SRI International in Menlo Park, CA, Iouri Balachov leads the development of Direct Carbon Fuel Cell technology for clean and efficient power generation from coal, biomass, and a wide variety of carbon-containing fuels.

• **Naomi Halas**, Professor of Electrical and Computer Engineering, Chemistry, and Bioengineering, Rice University, addresses "Optics at the Nanoscale: Merging Nanoparticles with Light." Dr. Halas is the inventor of nanoshells: nanoparticles with optical resonances spanning the visible and infrared regions of the spectrum.

• **Emily Nelson**, Senior Research Engineer, NASA Glenn Research Center, presents "COMSOL Grab Bag: Use a Versatile CFD Code to Model Interesting Problems from Cryogenic Storage to Biofuel Production." Dr. Nelson specializes in the formulation and solution of problems in microgravity science, multiphase flow, porous media, risk analysis, and gravitational biology.

• **Markus Zahn**, Professor, Massachusetts Institute of Technology, delivers a talk titled "Ferrohydrodynamics of Magnetic Fluids." Dr. Zahn works in the laboratory for Electromagnetic and Electronic Systems at the MIT High Voltage Research Laboratory. He is the Director of the MIT EECS Course VI-A Internship Program, a cooperative work/study program with industry. Professor Zahn has received numerous awards for excellence in teaching. He is an Associate Editor of the IEEE Transactions on Dielectrics and Electrical Insulation and a fellow of the IEEE.

The COMSOL Conference 2008 Boston is also packed with training opportunities: Attendees can choose from 17 hands-on minicourses on topics ranging from interfacing CAD with multiphysics to such specialized subjects as MEMS, chemical engineering, electromagnetics, fluid dynamics, thermal stress, and structural-acoustics interactions. A suite of tutorial presentations explore parallel processing, offer modeling tips and tricks, and show attendees how to access material property databases for multiphysics simulations. Also throughout the conference venue, hands-on demo stations staffed by COMSOL experts showcase new products and offer attendees on-the-fly insights to help with their multiphysics simulations.

In addition to the keynote addresses, over 100 engineers, scientists, and researchers will offer Boston attendees unique user presentations on their applications of COMSOL Multiphysics in simulation projects. Presenters will address a wide range of specialties, from disciplines as diverse as acoustics, bioengineering, chemical engineering, earth science, electromagnetics, optical modeling, and transportation phenomena. User presentations topics include:

- COMSOL Modeling of a Submarine Geothermal Chimney
- Design Optimization of Passive Micromixers with COMSOL
- Effects of High Field Space Charge Formation on Dielectric Properties of Composites
- Electrical Stimulation of Brain Using a Realistic Human Head Model
- Full-Wave Analysis of Nanoscale Optical Trapping
- Modeling the Behavior of Single Particle during Drying Process
- Multiphysics Modeling of an Ion Mobility Spectrometer
- Optimal Design for the Grating Coupler of Surface Plasmons
- Simulation of C-MEMS Based Enzymatic Biofuel Cell
- Space-time Formulation for FEM Modeling of Superconductors

"What I liked most about the COMSOL Conference was the ability to see how others implement solutions," adds Matt Hull, Program Scientist with Duracell Inc. of Bethel, CT. "Every time I attend, I take back something to use in my own work. Sometimes it's a trick learned in a minicourse, or sometimes an insight gained from one of the many user talks."

Further highlights of the COMSOL Conference 2008 Boston include roundtable panel discussions, an exhibition area for partner products and services, daily networking events, a large poster session, and a banquet luncheon honoring the best technical papers and posters as voted on by the program committee and conference attendees.

After Boston, the COMSOL Conference 2008 travels to the Hannover Congress Centrum in Hannover, Germany, November 4 - 6, then on to Beijing, Budapest, Dhahran, Kuala Lumpur, Madrid, Shanghai, Singapore, Taipei, Tel-Aviv, and Tokyo.

The COMSOL Conference is sponsored by ACES, CEP, Design World, Desktop Engineering, MatWeb, Microwave Journal, NASA Tech Briefs, and SpaceClaim Corp. Complete details, including registration information for the Boston event as well as any of the localized versions of the COMSOL Conference 2008, are available on the COMSOL website, http://www.comsol.com/conference2008/usa/.

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Free-of-Charge Tool Making Meeting Point for an Efficient Process Optimization, Sept. 17, 2008 in Frankfurt

27 August 2008

Wednesday, September 17, 2008, between 12:30 and 4:30pm, the PLM consultancy and software specialist CENIT is hosting a free-of-charge information session specially designed for tool making companies at the CENIT offices in Frankfurt (Lyoner Str. 20, 60528 Frankfurt). The event is focused on solutions for an efficient use of CATIA V5 for tool making as well as the programming of NC

machines.

The CENIT experts will present the various optimization possibilities for tool making through CATIA V5. Here, the optimal use of TG1 (Tool Design) and CATIA NC in the CATIA V5 tool making process chain are in the focus.

A highlight is the guest presentation by Mr. Wolfgang Brunhuber, Leiter Konstruktion at Amberger Werkzeugbau GmbH. During his presentation, he will introduce in detail the practical experiences Amberger gained with TG1.

Agenda:

•Welcome

•Intro: New TG1 Functionalities

•Presentation: TG1 in Use at Amberger Werkzeugbau GmbH

Guest Presenter: Wolfgang Brunhuber, Leiter Konstruktion,

Amberger Werkzeugbau GmbH

•Intro: New CATIA NC Functionalities in Relation to TG1

•Open Discourse

Online registration for the Tool Making Meeting Point in Frankfurt is open at http://www.cenit.de/wzbmeeting Please note that this event is free of charge.

Queries:

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Gibbs to Demonstrate Advanced 3D with HSM Enhancement at IMTS 2008

25 August 2008

Gibbs and Associates announced that the new Advanced 3D with HSM enhancement for GibbsCAM SolidSurfacer will be demonstrated at IMTS 2008. The enhancement introduces a complete range of advanced 3-axis milling functionality with support for high-speed machining (HSM). IMTS is being held at the McCormick Place in Chicago, Illinois on September 8th – 13th, 2008.

“The new 3-axis surface machining capabilities provide more control and flexibility in toolpath generation with integral high-speed machining support,” states Bill Gibbs, founder and president of Gibbs and Associates. “We continue to expand on GibbsCAM’s world class production machining

capabilities. The new functionality is in keeping with GibbsCAM's tradition of uniquely blending ease-of-use and powerful capabilities, a combination that can't be beaten in production machining."

Advanced 3D with HSM enhancement for SolidSurfacer® includes:

- Toolpath strategies optimized for high speed and hard material machining
- 3D rest or material-only machining
- Support for tapered tool shapes
- New types of finishing processes including constant step-over and steep-shallow combination
- Multi-surface flowline machining
- Improved toolpath quality with smooth corners, stepovers and arc fitting
- Improved use of boundaries and precise control of machining area
- Enhanced entry/exit control with blends and optimized clearance moves
- Direct machining of imported STL files
- Automatic Core/Cavity detection for inside out or outside in milling
- Operation splitting for tool wear and for optimal length out of holder
- Multi-threaded for multi-CPU machines and to support batch toolpath generation
- Automatic filleting of a surface to avoid sharp concave corners

Enhancements introduced across the entire product line with the latest release of GibbsCAM will also be demonstrated at IMTS 2008.

For more information about GibbsCAM, GibbsCAM's production machining capabilities or to see the capabilities introduced with GibbsCAM 2008, go to the GibbsCAM booth, #D-3001. 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 IMTS, D-3037, or go to the company's website, http://www.Cimatron.com.

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JETCAM Showcases Full Punching and Profiling Automation at Euroblech

28 August 2008

JETCAM International s.a.r.l. will be showcasing its fully automatic high performance nesting solution at Euroblech 2008, to be held in Hannover, Germany between 21st and 25th October.

JETCAM Expert, now in its 16th version has recently seen considerable development on its punching automation, and a number of new features are also planned for release. Functionality such as tool teach mode allow JETCAM Expert to intelligently learn preferred tooling methods, which can then be applied automatically using JETCAM's four nesting modules. Automatic common line punching saves both time and material by using a single cut to separate parts. Numerous other features have been included to reduce programming time, machine cycle time and material waste.

Said Mike Weber, Managing Director; "Europe continues to be one of JETCAM's strongest markets, with Euroblech 2008 expected to be our best show to date. Increasing material and general running costs

are forcing manufacturers to seek any possible savings. We are able to show clearly demonstrable savings with JETCAM, often showing a return on investment in a matter of months."

JETCAM products will be present on several booths at the show. InspecVision (Hall 12, Stand H06) will be demonstrating their range of Planar part inspection systems, with JETCAM being used to demonstrate a complete path from scanned part to NC code to quality inspection. Innomax (Hall 14 Stand G44), distributors for OMAX will be using JETCAM to drive CNC water jet machines at their booth. And Blechwelt (hall 12, stand H72) will be demonstrating JETCAM along with AutoPOL and AutoCAD.

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Manufacturers Will Meet on Developments in Computer-Aided Engineering at Altair's HyperWorks Technology Conference

25 August 2008

As manufacturers and brand developers work to bring new, more complex products to the market faster to meet rapidly shifting global consumer demands -- and concurrently to reduce product-development time -- computer simulation, or virtual prototyping, continues to gain importance with business executives to cost-effectively meet these divergent design challenges. The role of computer simulation in today's businesses will be a focal point for some of America's top experts in product lifecycle management (PLM) and engineering software at next month's 2008 Americas HyperWorks Technology Conference, a program of leading global technology provider Altair Engineering, Inc. (http://www.altair.com/) held at Novi's Rock Financial Showplace.

The Sept. 16-17 conference, which industry professionals can attend free of charge, will feature an expert panel on "The Relevance of Simulation in Today's Enterprise." The panel will be moderated by Anthony J. Lockwood, editor at large of Desktop Engineering magazine, a media sponsor of the conference. In addition, the panel session will offer viewpoints from such notables as:

-- Aberdeen Group Research & Service Director Chad Jackson

-- CIMdata, Inc. Director of Research Kenneth Amann

-- Collaborative Product Development Associates (CPDA) Chairman Donald H. Brown

-- Cyon Research Corporation Vice President and Chief Visionary, engineering-automation consultant and author Dr. Joel Orr

The panel is one of many highlights scheduled during the first day of the conference, which begins with a welcome from Altair CEO James Scapa and a keynote address from Nand K. Kochhar, executive technical leader, Global CAE, for Ford Motor Company. Other keynoters during the conference will include Terry Swack, co-founder and CEO of Sustainable Minds, and Giovanni Greco, director of engineering for Sea Ray. The conference's second day will feature workshops geared towards the HyperWorks user base.

Altair Engineering's Hyperworks is an engineering simulation platform to support product lifecycle management processes. It ranks as one of the leading simulation-driven design solutions for product development across the world's top corporations in the advanced manufacturing community. The annual HyperWorks conference focuses on aspects of PLM in American business and has grown into one of the premier PLM technology events for the advanced manufacturing community. The two-day conference

brings together hundreds of industry professionals and technology leaders from a broad range of vertical markets and highlights industry trends in enterprise simulation and the latest on how manufacturers are enabling innovation through simulation.

For more information on Altair's Americas HyperWorks Technology Conference and to register, please visit http://www.altairhtc.com/na

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ModuleWorks to Show Latest CAM Component Technology at IMTS

26 August 2008

ModuleWorks, a leading supplier of CAD/CAM components for toolpath generation and simulation, announced it would showcase the latest versions of its 3-5 Axis machining and simulation technology at booth D-3305 at the IMTS exhibition to be held in Chicago from 8th to 13th September.

In addition to the latest release of its flagship product for 5-Axis simultaneous machining, ModuleWorks will also be showing new component technology for both 3-Axis machining and machining simulation.

The new simulation component offers fast simulation of the machining process and includes full material removal and machine simulation options. ModuleWorks simulation has been designed with speed and ease of implementation in mind - David Plater, Technical Director comments “Simulation is an important aspect of the CAM programming and manufacturing process with customers expecting more and more of the prove out process to be carried out in a virtual environment within the CAM system and increasingly on the CNC control itself. Our simulation component offers a full range of visualisation and analytical tools to ensure maximum reliability, performance and productivity.”

ModuleWorks’ toolpath generation strategies have been extended to support a wide range of 3-Axis strategies to compliment their state-of-the-art 4- and 5-Axis multi-axis machining component. The new strategies include roughing and finishing with rest material detection and support for the latest high speed machining technology.

For more information, please visit http://www.ModuleWorks.com

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New Version of CimatronE Previewed at IMTS

29 August 2008

A new version of CimatronE will be previewed at the 2008 International Manufacturing Technology Show (IMTS), which will take place September 8-13 in Chicago, Illinois.

Helping tool makers and manufacturers deliver higher quality tools and products at lower costs and shorter cycle times, the CimatronE CAD/CAM solution suite addresses the entire process from quoting through design, engineering changes, NC, and EDM programming to delivery.

Highlights of the new and enhanced capabilities in CimatronE 9.0 include:

- A new application for transfer die design
- A new die quote generator
- Greater mold design automation

- A new application for defining electrode measuring points and probe path
- New machining strategies for High Speed Machining (HSM) and 5-Axis milling
- New capabilities for handling Product Manufacturing Information (PMI) throughout the design and manufacturing process

"Toolmakers and manufacturers come to the IMTS looking for the latest technologies that can help them stay ahead of the competition. We are excited to share our latest enhancements to the CimatronE product line with the people attending this show," said Bill Gibbs, President of Cimatron Technologies Inc.

The CimatronE solutions will be presented at booth# D-3037 at the IMTS, which will be taking place September 8-13 at the McCormick Place in Chicago, Illinois. For information and registration, visit http://imts.com/.

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Sescoi Exhibits its CAM/CAD and ERP Systems and Launches New Collaborative Working Software at the AMB Show in Stuttgart

25 August 2008

Sescoi will be exhibiting the latest version of its CAM/CAD software WorkNC G3, the new WorkPLAN Enterprise ERP system and launching its new WorkXplore 3D view, mark-up and analysis software on stand C58 in Hall 4 at the AMB exhibition in Stuttgart, Germany from 9th to 13th September.

WorkNC G3 is the culmination of 20 years of research and development for Sescoi and includes a new, easy to use, interface which has been designed for ergonomic operation and which integrates design, analysis, toolpath creation and verification into one environment. WorkNC G3 is unique in its approach to 5-axis machining. Its Auto 5 module automatically translates 3 and 3+2 axis programs into 5-axis, enabling companies to take advantage of the capabilities of multi axis machine tools and confidently manufacture highly complex parts. Because WorkNC G3 is automatic, 5-axis toolpaths have all the powerful roughing, finishing, rest material, cutterpath smoothing and fluid transitions available in 3-axis machining. During programming, the software considers the kinematics of each machine tool, introducing unwind and flip movements so that it does not exceed travel limits and avoids workpiece collisions. For specific 5-axis applications such as machining blades and impellers, WorkNC G3 includes dedicated routines, giving the user a high level of control while benefiting from the software's collision avoidance algorithms.

Sescoi has used its considerable experience in the make to order and engineer to order industry sector to build an ERP system tailored to these company's requirements.

WorkPLAN Enterprise ERP is the latest generation of its software and offers tools to analyse CAD/CAM data, provide accurate quotations, monitor and process sales orders, and control and schedule production. In addition, it keeps track of costs, purchasing and stock levels, maintains quality compliance and analyses key performance indicators while reducing administrative effort. Integrating these processes can produce significant cost savings and efficiency improvements for companies, enabling them to make decisions and take timely action based on live and accurate data.

With the launch of WorkXplore 3D, Sescoi's view, mark-up and analysis software, it will be helping companies to improve collaborative working at lower cost by making it unnecessary to purchase multiple CAD systems. The system can quickly import very large and complex files from leading CAD

systems. Tools within the software allow the data to be shared around an organisation so that engineers can interrogate the design, checking information such as dimensions, draft angles and volumes. By marking-up the shared CAD information, design changes can be evaluated quicker and more efficiently leading to a reduction in a product's delivery time, an increase its quality and a faster return on investment.

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Financial News

Avatech Solutions Reports Preliminary Net Income for Fiscal 2008

26 August 2008

Avatech Solutions, Inc. announced preliminary unaudited financial results for its fiscal fourth quarter and year ended June 30, 2008.

For the fourth quarter of fiscal 2008, Avatech expects to report total revenue of approximately $11.5 million, compared to $11.5 million in the fourth quarter of fiscal 2007. Preliminary net income increased to $741,000, or $0.03 per fully diluted share, compared to a net loss of $(873,000), or $(0.05) per fully diluted share, in the same period of the prior year. EBITDA as adjusted (as defined) increased to $807,000 in the fourth quarter of fiscal 2008, from a loss of $(607,000) in the prior year period.

For the full year ended June 30, 2008, Avatech expects to report revenues of approximately $49.6 million, compared to $50.5 million in the prior year. Preliminary net income is expected to increase to approximately $3,090,000, or $0.15 per fully diluted share, compared to a net loss of $(555,000), or $(0.04) per fully diluted share in fiscal 2007. EBITDA as adjusted increased to $4,678,000 in fiscal 2008, compared to $1,236,000 in fiscal 2007.

George Davis, President and Chief Executive Officer of Avatech Solutions, said, "Our strong preliminary net income and Adjusted EBITDA in fiscal 2008 indicate the successful execution of our business strategy and continued cash flow generation throughout the entire year. Over the last 12 months, we have focused intently on reducing costs and achieving consistent profitability, in the face of a weakening economic environment. As a direct result of these cost-saving initiatives, we have delivered record net income, increased our cash balance by 225% to approximately $5.5 million and increased shareholder equity by 38% to $13.2 million. Looking forward to 2009, we are concentrating on top line growth by expanding our go to market (sales) and implementation (engineering) teams with a continued focus on growing the services component of our business. Additionally, we will continue to expand our offerings through new initiatives, including expanding the marketing efforts for our new Manufacturing Consulting Division."

These expected operating results are preliminary and subject to management and the Company's auditors completing their quarterly closing review procedures.

The Company plans to release its financial results for the fiscal fourth quarter and year ended June 30, 2008 on September 29, 2008 and will host a conference call that day to discuss in detail the quarter's results.

For additional information including financial tables please visit http://phx.corporate-ir.net/phoenix.zhtml?c=145010&p=irol-newsArticle&ID=1190551&highlight=

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Cimatron Reports Record Revenues of $10.9 million on a Non-GAAP Basis in Q2/08

27 August 2008

Cimatron Limited announced financial results for the second quarter and first six months of 2008.

Financial Highlights:

- Revenues on a non-GAAP Basis: $10.9 million in Q2/08 as compared to $5.5 million in Q2/07
- Net Income on a non- GAAP Basis: $0.74 million in Q2/08 as compared to $0.30 million in Q2/07
- Revenues on GAAP Basis: $10.7 million in Q2/08 as compared to $5.5 million in Q2/07
- Net Income on GAAP Basis: $0.20 million in Q2/08 as compared to $0.29 million in Q2/07

Cimatron presents record 99% year-over- year revenue growth in Q2 2008 on a non-GAAP basis, and as a result, 146% year-over-year growth in the quarterly net income on a non-GAAP basis, despite unfavorable currency exchange rates and a challenging global economic environment. Furthermore, net cash generated in the first half of 2008 was $5.0 million, an increase of 101% as compared to the first half of 2007. The revenue growth was attributed to both organic growth and the accretive impact of the merger transactions with Microsystem and Gibbs.

Revenue on a non-GAAP basis in 2008 excludes the effect of business combination accounting rules on the acquired deferred maintenance revenue balance of Gibbs. Expenses on a non-GAAP basis exclude the non-cash amortization of acquired intangible assets of Microsystem and Gibbs and the deferred taxes related to these acquisition- related items.

The following provides further details on Cimatron’s GAAP and non-GAAP figures in the second quarter and the first half of 2008:

Revenues for the second quarter of 2008 increased 94% to $10.7 million, as compared to $5.5 million in the second quarter of 2007. For the first six months of 2008, revenue increased by 91% to $20.7 million, compared to $10.8 million in the same period of 2007. The increase was attributed both to organic growth and to the consolidation of Microsystem's and Gibbs' results.

Gross Income for the second quarter of 2008 was $8.8 million as compared to $4.7 million in the same period in 2007. Gross margin in the second quarter was 82%, compared to 85% in Q2 2007. For the first six months of 2008, gross income was $16.8 million, compared to $9.2 million in the same period of 2007. Gross margin for the six months ended on June 30th, 2008 was 81% of revenues as compared to 85% of revenues in the same period of 2007.

The decrease in gross margin is mainly attributed to business combination accounting rules, and as expected, to Microsystem's lower margins on third party hardware products sales as compared to the margins on Cimatron software sales.

Operating Income in the second quarter of 2008 was $73 thousand, compared to operating income of $282 thousand in the second quarter of 2007. In the first six months of 2008, Cimatron recorded an operating loss of $(145) thousand, compared to operating income of $395 thousand in the first six months of 2007.

Net Income for the quarter was $205 thousand, or $0.02 per diluted share, compared to net income of

$291 thousand, or $0.04 per diluted share recorded in the same quarter of 2007. In the first six months of 2008 net loss was $(93) thousand, or $(0.01) per diluted share, compared to net income of $472 thousand, or $0.06 per diluted share, in the first six months of 2007.

Revenues on a non-GAAP basis for the second quarter of 2008 increased 99% to $10.9 million, as compared to $5.5 million in the second quarter of 2007. For the first six months of 2008, revenue increased by 96% to $21.2 million, compared to $10.8 million in the same period of 2007.

Gross Income on a non-GAAP basis for the second quarter of 2008 was $9.2 million as compared to $4.7 million in the same period in 2007. Gross margin on a non-GAAP basis in the second quarter of 2008 was 84%, compared to 85% in Q2 2007. In the first six months of 2008, gross income on a non-GAAP basis increased 92% to $17.6 million, compared to $9.2 million in the first six months of 2007. Gross margin on a non-GAAP basis for the six months ended on June 30th, 2008 was 83% of revenues as compared to 85% of revenues in the same period of 2007.

The decrease in gross margin is mainly attributed to Microsystem's lower margins on third party hardware products sales as compared to the margins on Cimatron software sales.

Operating Income on a non-GAAP basis in the second quarter of 2008 was $568 thousand, as compared to non-GAAP operating income of $292 thousand in the second quarter of 2007. In the first six months of 2008, Cimatron reports operating income increase to $844 thousand, compared to operating income of $415 thousand in the first six months of 2007.

Net Income on a non-GAAP basis in the second quarter of 2008 increased 146% to $740 thousand or $0.08 per diluted share, as compared to non-GAAP net income of $301 thousand, or $0.04 per diluted share in the second quarter of 2007. In the first six months of 2008, net profit increased by 98% to $974 thousand, or $0.10 per diluted share, compared to a net profit of $492 thousand, or $0.06 per diluted share, in the first six months of 2007.

Commenting on the results, Danny Haran, President and Chief Executive Officer of Cimatron, said, “We are pleased to present another quarter of record revenues and year-over-year record revenue growth. 98% net income growth on a non-GAAP basis in the first half of 2008 and 101% growth in net cash generated from operating activities in the same period represent the continuous improvement of our core business attributed both to the merger transactions with Microsystem and Gibbs, as well as to continuous organic growth. Cimatron's global distribution network is broadening its product offering with GibbsCam solutions and already recorded initial GibbsCam sales. We face a challenging currency environment, and are continuously monitoring and dealing with its effects on our financial results", concluded Mr. Haran.

Non-GAAP financial measures consist of GAAP financial measures adjusted to include recognition of deferred revenues of acquired companies and to exclude amortization of acquired intangible assets and deferred income tax, as well as certain business combination accounting entries. The purpose of such adjustments is to give an indication of our performance exclusive of non-GAAP charges and other items that are considered by management to be outside our core operating results. Our non-GAAP financial measures are not meant to be considered in isolation or as a substitute for comparable GAAP measures, and should be read in conjunction with our consolidated financial statements prepared in accordance with GAAP.

Our management regularly uses our supplemental non-GAAP financial measures internally to understand, manage and evaluate our business and make operating decisions. We believe that these non-GAAP measures help investors to understand our current and future operating cash flow and

performance, especially as our two most recent acquisitions have resulted in amortization and non-cash items that have had a material impact on our GAAP profits. These non-GAAP financial measures may differ materially from the non-GAAP financial measures used by other companies.

Conference Call

Cimatron's management will host a conference call with the investment community tomorrow, Thursday, August 28th, 2008, at 9:00 EST, 16:00 Israel time.

For those unable to listen to the live call, a replay of the call will be available from the day after the call under the investor relations section of Cimatron's website, at: http://www.cimatron.com

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Delcam Announces Record Half-Year Sales

28 August 2008

Delcam announced that the company achieved record half-year sales in the six months to 30th June, 2008. Sales for the period grew to £16.9 million, an increase of 17% over the £14.5 million recorded in the first half of 2007. Pre-tax profit rose by 13% to £1.42 million compared with the £1.26 million in the same period last year.

The company continued to increase its high levels of investment in software R&D, investing £4.5million in the period, a 10% increase over the first half of last year. As well as supporting growth in new software sales, this investment contributed to an increase in maintenance revenues to £5.1 million.

Commenting on the results, Delcam Chairman, Peter Miles, said, “I am pleased to report encouraging results for the first half of the year to 30 June 2008, despite a backdrop of increasing global economic uncertainty. These results demonstrate the benefits of the strategy we have been pursuing over the last three years to acquire complementary software ranges which enhance our product offering and which we can leverage through our international distribution network. The results also reflect the benefit of our investment in research and development which helps to ensure that our software is industry-leading in our chosen areas.”

“While we remain optimistic of continuing good progress this year, the worsening global economic uncertainty makes it harder than usual to predict with certainty how well the Company will perform in the second half. However, the quality of our software product offering and the spread of our activities across a range of manufacturing industries and geographic territories will help to underpin our performance. Looking further ahead, we continue to view long term prospects for the Company positively.”

A copy of the complete Chairman’s statement is attached.

Chairman’s Statement

I am pleased to report encouraging results for the first half of the year to 30 June 2008, despite a backdrop of increasing global economic uncertainty. These results include a new sales record for a six-month period. They demonstrate the benefits of the strategy we have been pursuing over the last three years to acquire complementary software ranges which enhance our product offering and which we can leverage through our international distribution network. The results also reflect the benefit of our investment in research and development which helps to ensure that our software is industry-leading in our chosen areas.

Financial Highlights

Sales for the six months to 30 June 2008 increased by 17% to £16.9 million compared with £14.5 million in the first half of last year. Profit before tax for the period rose by 13% to £1.42 million against £1.26 million. With net cash inflow from operating activities of £1.3 million in the first six months, the balance sheet remains robust with net cash of £6.4 million excluding finance leases of £0.6 million.

The Company continues to increase its investment in product development, with £4.5 million invested in R&D over the period compared with £4.1 million in the first half of 2007. I am pleased to highlight the continuing growth in the Company's recurring maintenance revenues, which have increased by 16% to £5.1 million from £4.4 million last year.

Dividend

We propose to raise our interim dividend payment from 1.25p in 2007 to 1.35p. This will be paid on 26 September 2008 to shareholders on the Register as at 5 September 2008.

Board changes

To meet the needs of our current growth and to plan for the future, a number of changes have been made to the plc Board during the period. Clive Martell has been given an expanded role as Operations Director and two additional appointments have been made; Bart Simpson, in a new role as Commercial Director, and Steve Hobbs, Development Director responsible for our manufacturing products.

In addition, we have expanded our Operating Board with the addition of Chris Edwards, who is responsible for European Business Development, and Glenn McMinn, who is President of our North American operations based in Salt Lake City.

Review

I am pleased to report sales growth across the full range of Delcam products. Our strategy to expand the sales of FeatureCAM and PartMaker, acquired in 2005 and 2006 respectively, is continuing to show results.

Sales growth has continued in our European subsidiaries, with Germany and Italy performing especially strongly.

Sales in the emerging territories of Brazil, Russia, India and China did well increasing by 28%. We have seen a good recovery by our joint venture in Korea after its disappointing results last year. By contrast, the results from Japan and Australia have been below expectations.

Our business in North America has remained steady despite the worsening economic conditions over the period. While US sales in our traditional toolmaking market are still being affected by continuing problems in the local automotive industry, this has been balanced by our increased focus on new markets, especially in the medical and aerospace sectors.

We have made good progress in the shoe industry following our acquisition, at the end of 2006, of the Crispin range of footwear design and manufacture software. The software has broadened our offering within this marketplace, as well as added to our customer base, and makes Delcam the leading supplier of product development software to the footwear industry.

During the period, we continued to make significant investments in our research and development activities. As we have demonstrated, this will benefit future sales of our software as well as supporting our maintenance revenues. We expect the resulting products to extend our leadership within our

established markets, whilst also creating new opportunities for us, particularly in the medical and the metrology industries.

A key element of the Delcam business model is the strong technical support we are able to provide to our customers and we have increased significantly the levels of training being given to our worldwide sales and support channel. This will help to support both the sales of new software and on-going customer maintenance contract income.

Our Professional Services Group continues to work closely with the Tooling Services Division to provide process development and pre-production manufacturing services. These services continue to be used mainly by the aerospace industry but we are also seeing new business from the power generation sector.

We are pleased that the latest industry rankings, published by independent global consulting analysts, CIMdata, show that we have maintained our position as the world's leading specialist supplier of NC software and services.

Outlook

While we remain optimistic of continuing good progress this year, the worsening global economic uncertainty makes it harder than usual to predict with certainty how well the Company will perform in the second half. However, we believe that the quality of our software product offering and the spread of our activities across a range of manufacturing industries and geographic territories will help to underpin our performance. Indeed, increased competitive pressures on our customers are often the driver for their purchases of Delcam's products in order to improve the performance and efficiency of their own products and manufacturing processes.

Looking further ahead, we continue to view long term prospects for the Company positively.

Peter Miles

Chairman

28 August 2008

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Magma Reports Revenue of $45.7 Million for First Quarter

28 August 2008

Magma Design Automation Inc. reported revenue of $45.7 million for its first quarter of fiscal 2009, compared to revenue of $50.2 million reported for the first quarter of fiscal 2008.

"The first quarter proved to be a more difficult business environment than we anticipated, a situation that we believe may continue throughout at least a portion of the remainder of our fiscal year. Our key products and technology continue to deliver compelling solutions, but customers are experiencing softening demand in some of their end markets and we believe the first quarter results reflected delays in their purchases of design software as well as changes in our sales channel," said Rajeev Madhavan, chief executive officer. "Given this assessment of market conditions and recent changes in our sales channel, we lowered our full-year guidance. The new target is consistent with our intent to increase the portion of our revenue based on backlog to 90 percent or more of revenue in future periods."

GAAP Results

In accordance with generally accepted accounting principles (GAAP), Magma reported a net loss of $(14.9) million, or $(0.34) per share (basic and diluted), for the first quarter ended Aug. 3, 2008, compared to a net loss of $(11.3) million, or $(0.29) per share (basic and diluted), for the first quarter of fiscal 2008.

Non-GAAP Results

Magma's non-GAAP net income was $.7 million for the first quarter, or $0.02 per share (diluted), which compares to non-GAAP net income of $4.6 million, or $0.10 per share (diluted), for the first quarter of fiscal 2008.

Non-GAAP net income for the first quarter of fiscal 2009 excludes the effects of amortization of developed technology, amortization of intangible assets, amortization of deferred stock-based compensation, amortization of debt issuance costs and debt discount accretion, charges associated with losses in equity investments, restructuring charges, acquisition-related expenses and the tax effects of these adjustments. A reconciliation of our non-GAAP results to GAAP results is included in this press release. Non-GAAP net income for the first quarter of fiscal 2008 excluded the above items and litigation settlement costs and related legal expenses.

In the first quarter Magma used approximately $6.4 million of cash in operations.

Business Outlook

Magma is changing its business model in that from now on, it intends to achieve a revenue mix whereby 90 percent or more of revenue in a period comes from Magma's backlog and the remainder comes from transactions completed in the period. Consistent with this new model, for Magma's fiscal 2009 second quarter, ending Nov. 2, 2008, the company expects total revenue in the range of $34.0 million to $35.0 million. GAAP net loss per share is expected to be in the range of $(0.70) to $(0.68) and non-GAAP loss per share (EPS) is expected to be in the range of $(0.20) to $(0.18). For fiscal 2009, ending May 3, 2009, the company expects total revenue in the range of $158.0 million to $160.0 million. GAAP net loss per share is expected to be in the range of $(1.93) to $(1.89) and non-GAAP loss per share (EPS) is expected to be in the range of $(0.19) to $(0.15). A schedule showing a reconciliation of the projected non-GAAP EPS to GAAP EPS results is included in this release. 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.

Transition Period

On Jan. 31, 2008, Magma announced a shift in its fiscal year, creating a transition period between the end of fiscal 2008 and the beginning of fiscal 2009. Results for this transition period, which began April 7, 2008 and concluded May 4, 2008, will be reported in the 10-Q for Magma's fiscal 2009 first quarter and in Magma's fiscal 2009 10-K. Neither the results reported for the first quarter of fiscal 2009 nor Magma's Business Outlook reflect results of the transition period.

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 issuance costs and debt discount accretion, charges associated with losses in equity investments, restructuring charges, acquisition-related expenses, litigation settlement and related legal expenses, and the tax effects of its non-GAAP adjustments 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) tax effect; and (12) 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 management believes 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

Magma will discuss the financial results for the recently completed quarter, along with forward-looking guidance, during a live conference call today at 2 p.m. PDT, available by both webcast and telephone.

Following completion of the call, a webcast replay of the call will be available at http://investor.magma-da.com/events.cfm through Sept. 4, 2008. Those without Internet access may listen to a replay of the call by telephone until 11:59 p.m. PDT on Sept. 4 by calling:

U.S. & Canada: (888) 203-1112 , code #9688422

Elsewhere: (719) 457-0820 , code #9688422

Visit Magma Design Automation on the Web at http://www.magma-da.com.

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Sopheon Results For The 6 Months To 30 June 2008 Business Review And Outlook

28 August 2008

Sopheon plc ("Sopheon") announced its unaudited interim results for the six months ended 30 June 2008 (the "period") together with a business review and outlook.

HIGHLIGHTS:

- Revenue: £4.3m (2007: £3.1m)
- EBITDA: £0.5m (2007: £0.1m)
- Profit after tax: £0.1m (2007: loss £0.1m)
- We completed 24 license transactions including extension sales, delivering 40% revenue growth compared to the same period last year. EBITDA for the period rose to £0.5m, and the result after tax improved to a profit of £0.1m. Amortisation accounts for over £0.3m of the difference between EBITDA and profit after tax.
- Revenue visibility now stands at £7.7m for full year 2008 performance compared to visibility of £5.1m for 2007 at this time last year. Sopheon's total revenues for 2007 were £6.3m.
- We signed our 150th licensee customer, reflecting business momentum that prompted AMR Research to recently conclude that Sopheon has the greatest traction among all best-of-breed product portfolio management solutions in the marketplace.
- We introduced the most significant new release of Accolade in six years, offering functionality that positions the solution for the heavy manufacturing markets. The combination of Accolade and Vision Strategist is the first in the industry to integrate and automate strategic product planning and product development execution.

Sopheon's Chairman, Barry Mence said: "We are pleased by our period-over-period financial performance. It is testimony to the appeal of our solutions and the strength of our strategic position. We believe it is also a sign that the market opportunity upon which we are focused is continuing to mature, and we are excited by the implications for our company and its shareholders."

Chairman's Statement (excerpts)

Trading Performance

Consolidated revenues for the period rose to £4.3m compared to £3.1m in the first half of 2007. This represents period-to-period revenue growth of 40%, reflecting 51% revenue growth in our US business, and 26% in our European business. The improvement was underpinned by a rise in the proportion of

license revenues to 47% (2007: 36%). The overall revenue mix between license, maintenance and services was 47:27:26 compared to 36:29:35 for the same period last year. The Alignent business acquired in June 2007 accounted for £0.5m or a 12% share of total revenues recorded in the first half of 2008.

Sales performance included 17 new licensed customers and seven license extension orders from existing customers, in addition to a number of consultancy and services contracts. Renewals of license rental, maintenance and hosting contracts also held up well in the period, and at June 30 our annualised base of such recurring business has climbed to £3m from £2.6m coming into the year. This indicates strong underlying growth in our business, but as always we emphasise that individual sales cycle times and transaction values in our business do fluctuate, and this may continue to influence performance.

Gross profit, which is arrived at after charging direct costs such as payroll for client services staff, improved to £3.2m from £2.2m the year before, representing a rise in gross margin percentage to 75% from 72%. We expect the gross margin percentage to continue to fluctuate in a fairly narrow range from period to period, in line with variation in our revenue mix. Within the services business, margins may also be affected going forward by the involvement of partners. The effect will depend on whether an individual project is subcontracted by Sopheon or if the partner contracts directly with the customer. We are actively encouraging partner involvement – often through subcontracting as an initial phase – as part of our strategy to grow the awareness of, and increase the deployment capability for, our solutions.

Operating Costs And Results

As explained in more detail in our annual report for 2007, we increased staffing levels last year from 65 to 92 including 10 employees connected with the acquisition of Alignent in June 2007. We exercised a degree of caution in recruitment during the first half of 2008, and accordingly headcount levels were held to 96 through June this year. Nevertheless, the majority of our new staff joined after the first half of 2007 and this accentuates the apparent increase in such costs reported for the first half of 2008. Excluding £170,000 of amortisation of intangible assets acquired in the Alignent transaction, operational overheads have increased by £641,000 compared to the first half of 2007. Just under half of this increase is due to higher investment in sales and marketing, and a further third linked to higher R&D expenditures. The remaining increases in administrative expenditure are primarily connected to higher facility and depreciation costs, arising from both the higher headcount and the addition of the Alignent business.

The overall operating result for the business is a profit of £132,000, compared to a loss of £78,000 for the same period in 2007. After net finance costs, which include interest on debt taken on to finance the Alignent acquisition, the final profit reported for the period is £54,000 (2007: loss of £73,000). This result includes interest, depreciation and amortisation costs amounting to £480,000 compared to £155,000 for the same period last year. The majority of this increase is connected with the Alignent acquisition. The EBITDA result for the first half of 2008, which does not include these elements, was accordingly £533,000 (2007: £82,000).

Corporate And Balance Sheet

Net assets at the end of the period stood at £3.5m (2007: £3.6m) and include £3.7m (2007: £3.6m) of intangible assets. This includes £1.5m being the net book value of capitalised research and development (2007: £1m) and an additional £2.2m (2007: £2.5m) being the net book value of Alignent intangible assets and goodwill.

As part of the funding raised for the Alignent acquisition, Sopheon secured $3.5m of medium-term debt

from BlueCrest Capital Finance LLC ("BlueCrest"). The debt is being repaid in 48 equal monthly installments, and is secured by a debenture and guarantee from Sopheon plc. BlueCrest also offered the enlarged group an additional $750,000 revolving credit facility secured on accounts receivable. At 30 June 2008, the balances outstanding on the medium-term debt and revolving credit facility were $2.8m and $750,000 respectively.

Gross cash resources at 30 June 2008 amounted to £2.1m (2007: £2.4m).

Market And Product

It is expected that the product portfolio management ("PPM") submarket in which Sopheon's Accolade software system is classified will remain one of the fastest-growing segments of PLM.

Sopheon's Accolade continues to lead the PPM market both in terms of functional richness and market penetration.

In March we launched Accolade Version 7.0, the most significant new release of our flagship software since it entered the market six years ago. A number of existing customers have now upgraded to the new offering and their reactions to its capabilities have been enthusiastic. Many of its principal features spring from the experience of working with customers such as General Motors and Electrolux. These enhancements position Accolade to move beyond the process manufacturing markets that we have targeted in the past and into the large aerospace, defense and automobile sectors. We have been pleased with the initial market response to our earlier announced integration of Accolade with Vision Strategist, the product that came to us through last year's acquisition of Alignent Software. This is the first time in the history of PLM that automated support for strategic product planning and product development execution has been combined in a single solution.

Our product advances are being augmented by investments in a go-to-market strategy aimed at creating business opportunities in the automotive sector. This effort will be led by a recently hired business development professional who has extensive experience in automotive markets. His sales efforts will include both Vision Strategist and Accolade.

Sopheon entered 2008 with 135 licensee customers. In June, we achieved a growth milestone, announcing that we had signed the 150th licensee of our software products. Recently acquired accounts, representing both Accolade users and adopters of our Vision Strategist solution, include Bell Helicopter, Burger King, Novartis and the U.S. Army.

Outlook

The achievement of 40% period-to-period growth is satisfying, as is the fact that our EBITDA result has climbed to £0.5m and our bottom line is now in positive territory. Our balance sheet is in good shape and looking forward, the sales funnel remains robust. Since the end of the first half we have continued to add both new and extension sales, and this additional business has increased visibility for 2008 to £7.7m compared to £5.1m for 2007 a year ago. Sopheon's total revenues for 2007 were £6.3m.

Sopheon's strategic position continues to strengthen, with a customer base that now includes more than150 licensees the majority of which are global brands, and market recognition that is underpinned by growing analyst attention. We are now considered not just as a best-of-breed offering, but as the most mature. We believe it is critical that we capitalise on our leadership position and maintain the momentum of our first half performance. On this basis, we are now hiring selected additional staff.

We remain focused on improvement in profitability alongside building revenue and delivering strategic

progress, and will continue this balanced approach as we plan for 2009. We look forward to a continued growth and achievement in 2008 and beyond.

Barry Mence

Chairman

28 August 2008

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Implementation Investments

Ariela Alpha International, LLC Selects Lectra's Modaris ExpertPro to Improve Efficiency and Speed Product Development of Global Designs

26 August 2008

Lectra announced that Ariela-Alpha International, a privately held global manufacturer of branded and private label intimate apparel selected Lectra's Modaris ExpertPro to improve efficiency and speed processes. Ariela-Alpha chose Modaris ExpertPro for its pattern-maker process to allow users to create dependencies between pattern pieces, thus saving time in the development process, and optimizing their pattern-making efficiency.

"At Ariela Alpha International we pride ourselves on quality. We consistently raise the bar for superior sourcing, product development and production. This is why we selected Lectra," says Barry Graff, Vice President of Global Supply Chain and Technology at Ariela Alpha International. "We believe Lectra offers a revolutionary solution, the most powerful on the market. We are confident Lectra will allow us to further deliver a top quality product in record speed and efficiency," according to Sonia Vizcaino, Director of Technical Engineering at Ariela Alpha International.

According to Jerry Inman, VP of Marketing for Lectra North America, "For 35 years, Lectra has helped apparel professionals to develop their projects using the best technology, with high value added solutions and services 100% dedicated to the development of their requirements. Our underlying goal is to bring our customers further added value through leading-edge technology, thereby speeding up their time to market. We are proud to partner with a leading company like Ariela Alpha International to help them deliver high quality products, while saving time."

Modaris ExpertPro is the benchmark pattern-design solution for the fashion market. At the crossroads of design and production, Lectra's pattern-design/grading solution enables the rapid creation of patterns for all types of garments, from the most simple to the most complex like in lingerie or high fashion. Modaris ExpertPro boosts productivity with its efficient pattern creation approach: the all-size pattern-design concept. It can increase production by up to 50%. Modaris ExpertPro enables pattern-makers to work with flat patterns presenting dependencies -- unique and powerful association functions that ensure full consistency of pattern pieces of a style and its variations at any moment in the development process: pattern modification, pattern industrialization, pattern grading and pattern control. With Modaris ExpertPro, tedious checking tasks are avoided, perfect product quality is ensured and pattern designers can dedicate more time to creativity.

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EADS and Atos Origin Consolidate 15-Year Partnership With Global Framework Contract for Onboard Software and Engineering

28 August 2008

EADS has selected Atos Origin as a preferred supplier for Engineering Services. The selection has confirmed and renewed the confidence that has anchored the partnership between the two companies in onboard software and engineering in France and Spain for more than 15 years. Atos Origin is proud to be one of the 28 global partners selected by EADS following a rigorous tender process involving 2,000 vendors.

Following on from the initial framework contract with EADS in 2006, Atos Origin has been awarded the prestigious Tier 1 status as part of the "EADS E2S preferred supplier for engineering services" program. Covering the purchase of more than €2 billion in engineering services a year, the program is designed to create a select pool of Tier 1 suppliers in order to broaden EADS's global manufacturing footprint, optimize total cost of ownership and limit the company's dollar exposure.

In addition to integrating SAP, ECM and other management systems and providing consulting services, for the past 15 years, Atos Origin has been a benchmark EADS partner for the design and development of real-time onboard software, as well as for structural design work on such major programs as the Airbus A380, A400M and the future A350. In all, more than 250 Atos Origin employees are deploying their expertise on EADS projects.

"We're extremely proud that EADS has renewed its confidence in our ability to support its future-facing engineering strategy. This new agreement not only contributes to EADS's technological growth, but also confirms the company's intention to leverage both the benefits of our Global Sourcing offer, to help optimize its IT processes, and our in-depth knowledge of the aerospace industry. This is further compelling proof of Atos Origin's ability to meet the needs of our customers regardless of their geographic location," said Wolf Kunisch, Global Account Manager at Atos Origin.

About EADS

EADS is a global leader in aerospace, defense and related services. In 2007, it generated revenues of €39.1 billion and employed a workforce of about 116,000. The Group includes the aircraft manufacturer Airbus, the world's largest helicopter supplier Eurocopter and EADS Astrium, the European leader in space programmes from Ariane to Galileo. Its Defense & Security Division is a provider of comprehensive systems solutions and makes EADS the major partner in the Eurofighter consortium as well as a stakeholder in the missile systems provider MBDA. EADS also develops the A400M through its Military Transport Aircraft Division.

About Atos Origin

Atos Origin is one of the world's leading international information technology services companies. Its business is turning client vision into results through the application of consulting, systems integration and managed operations. The company's annual revenues total €5.8 billion and it employs 50,000 people in 40 countries.

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IFS Applications™ to Support the UK Defence JAMES Land Project

26 August 2008

Lockheed Martin has selected IFS Applications™ to provide the core software for the JAMES Land (Joint Asset Management Engineering Solution) project for the UK Ministry of Defence. The agreement is the largest license contract that IFS has ever won. Product revenue amounts GBP 13.9 million.

The JAMES Land project follows a previously implemented JAMES 1 solution which is currently in use by 9,000 users in the regular UK army, providing a Management Information System to enable optimized asset usage with minimal fleet sizes. IFS Applications supports the UK Army with asset information for identification, configuration and maintenance requirements as well as current usage and owner.

JAMES Land deepens and widens the functionality of the James 1 solution by adding IFS Applications components for engineering, asset data collection and analysis as well as workshop management for the modification of assets. The solution will also improve mobility and be extended to include ground-based equipment used by the Royal Navy and Royal Air Force. The goal is to improve availability, enhance operational and training effectiveness, and reduce equipment support costs. The roll out of JAMES Land, which is based on IFS Applications 7, is scheduled to commence in 2010.

"This new contract award reflects the long standing relationship we have with Lockheed Martin in providing effective turnkey solutions (JAMES1 & JSF) to the defense market. IFS' strength in enterprise asset management (EAM) and maintenance repair and overhaul (MRO), which IFS packages as best-practice solutions for fleet management in the Aerospace & Defense (A&D) market, makes it easier to deliver performance-based logistics and maintenance support of complex assets throughout the product lifecycle," IFS Defence Ltd. CEO Iain Green said.

More details can be found at http://www.ifsdefence.com.

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Kubotek USA and Brazil's RCTASK Expand Agreement with SENAI

25 August 2008

Kubotek USA and its Brazilian partner RCTASK announced the expansion of licensing and service agreements with SENAI, the National Service for Industrial Apprenticeship for Brazil. Under this expanded agreement, Kubotek has agreed to donate additional seats of its KeyCreator NC software, a total donation valued at $624,000 USD. In addition, RCTASK will provide training for SENAI instructors. The software seats will be used at the SENAI units Caxias do Sul-RGS and Joinville-SC.

A previous agreement provided $1.1 million USD of KeyCreator NC software to SENAI-SP. This agreement also included RCTASK training for SENAI instructors.

"These SENAI units are very important centers for mechanical applications such as CAE-CAD-CAM and robotics," says Antonio Pedro Lourenço, Operations Director for RCTASK. Scott Sweeney, Vice President Business Development for Kubotek USA adds, "We want to equip these centers with the best possible product to ensure the SENAI students and instructors achieve great success. We are happy to see our relationship with RCTASK and SENAI grow."

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Leading European Design Consulting Firms Standardize on VMM Verification Methodology

26 August 2008

Synopsys, Inc. announced that Chipright, CreVinn and Verilab, three leading European chip design and verification consulting companies, have standardized on the VMM verification methodology to streamline verification and speed time-to-market for their customers. The VMM methodology, originally defined in the Verification Methodology Manual for SystemVerilog, allows consulting firms to deploy modular, scalable and reusable verification environments while enabling them to access the growing installed base of VMM users and availability of VMM-enabled verification components. This, in turn, accelerates their delivery of SystemVerilog-based verification services for the most complex chip designs. The VMM base class library and application source code are available for free download at http://www.vmmcentral.org/.

"Building verification environments for both ASIC and FPGA designs is a core competency of ours, and using the tried and true VMM methodology enables us to quickly customize an optimal verification flow that helps us meet each of our customers' unique requirements," said Kevin Keane, chief technology officer at Chipright. "By developing VMM-compliant verification environments and supporting the verification flow with a complete set of user documentation, we significantly improve efficiency for our customers by allowing them to focus on the task of verification without worrying about the implementation details."

"Our adoption of the VMM methodology gives us the ability to build a structured, robust verification environment that contributes to our pioneering work in the field of ASIC and IP design and verification for the networking, computing, automotive and industrial markets," said Tadhg Creedon, chief executive officer at CreVinn Teoranta. "Pairing VMM with the design methodology we have employed successfully for over 20 years helps us drive a reuse philosophy. As a result, we have built up a valuable library of design and VMM-compliant verification elements that allow us to develop technology for our customers in a timely, cost-effective manner."

"Verilab's experience is that methodology standardization is one of the biggest challenges in verification, even within a single client company," said Tommy Kelly, chief executive officer at Verilab. "When that company has large development teams, spread across several sites or countries, deploying an effective methodology becomes absolutely crucial. We have found that VMM can act as a key component in such a deployment and we have been using it to good effect over the past three years."

The VMM methodology enables chip development teams to use SystemVerilog to create comprehensive verification environments using transaction-level, coverage-driven, constrained-random and assertion-based techniques, and specifies library building blocks for interoperable verification components. The VMM methodology has been proven in production by hundreds of system-on-chip (SoC) and silicon intellectual property (IP) verification teams around the world.

"The open source VMM base class library and applications are proven, mature and deployed by hundreds of design teams across the globe, making the VMM methodology the solution of choice for SystemVerilog-based design and verification," said Swami Venkat, senior director of marketing in the Verification Group at Synopsys. "Innovative services companies are adopting VMM due to its ability to facilitate the easy deployment of robust, reusable and highly configurable verification environments. Users and Synopsys continue to enhance and expand VMM with new technologies such as the recently announced VMM-LP, which provides a verification methodology for low power designs."

In addition to the VMM base class library and applications, a variety of useful resources that help improve productivity for both new and existing VMM users are available at http://www.vmmcentral.org/, such as:

-- Source code and documentation for the VMM Standard Library and VMM Applications

-- VMM utilities, including RALGEN and VMMGEN, for rapid environment development

-- Example VMM environments

-- Hierarchical Verification Plan (HVP) verification planning language specification

-- User papers and technical articles

-- VMM user discussion forum, staffed by Synopsys engineers

-- "Verification Martial Arts" blog by Janick Bergeron, Synopsys fellow and co-author of the Verification Methodology Manual for SystemVerilog

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Magma Titan Analog Migration Solution Ports Rambus Custom Designs

25 August 2008

Magma® Design Automation announced the completion of a successful evaluation of Magma's Titan™ Analog Migration products. This joint effort led to the design, porting and tape out of complex, high-performance analog circuits for Rambus' leadership XDR™ memory and FlexIO™ processor bus architectures.

"Our business demands the efficient porting of custom circuits to meet the needs of our customers," said Martin Scott, senior vice president of Engineering at Rambus. "The Titan Analog Migration solution offers impressive productivity benefits and accelerates porting of designs across multiple leading-edge manufacturing processes."

"Analog migration presents a fundamental challenge, and Magma has developed the technology to effectively address this problem," said Suk Lee, general manager of Magma's Custom Design Business Unit. "The Titan Analog Migration solution provides Rambus with design exploration capabilities for their complex, high-performance mixed-signal designs."

Titan Analog Migration is an integral part of Magma's Titan mixed-signal design platform focused on solving the analog/mixed-signal design, porting, optimization and reuse challenges. The Titan solution offers an integrated simulation environment using the industry's leading circuit simulator, FineSim™, along with the gold standard tool for parasitic extraction, QuickCap® TLx. When coupled with ground-breaking schematic- driven layout, analog circuit optimization, and analog placement-and-routing, Titan provides a level of efficiency in the analog design domain that is similar to that of the digital domain. For true mixed-signal design, the FineSim interface also allows for full-chip circuit simulation, offering SPICE-level accuracy for the analog portions of the design and fast SPICE-level accuracy for the digital portions of the design.

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Magma's Talus Selected by Infineon as Standard Implementation Platform for Nanometer ICs

28 August 2008

Magma® Design Automation Inc. announced that Infineon Technologies has standardized on Magma's Talus® IC implementation software for its nanometer (nm) integrated circuit (ICs). Infineon selected

Talus because it offers an integrated RTL-to-GDSII platform that concurrently addresses power, performance and area and provides a convergent design flow for faster turnaround time.

"Infineon Technologies targets growth areas driven by the global trends energy efficiency, communications and security, so reducing power, improving performance and being first to market are key goals in our IC designs," said Hartmut Hiller, senior director, Design Methodology at the Automotive, Industrial and Multimarket Business Group of Infineon Technologies. "Since 2000 we have successfully developed over 100 designs using Magma's implementation software. Magma's Talus offers faster throughput and quicker time to convergence enabling us to meet our increasingly challenging performance and time-to-market demands."

"Infineon's selection reflects the growing momentum of Talus adoption -- about a dozen Magma customers have used it to tape out chips at five different foundries," said Premal Buch, general manager, Product Development of Magma's Design Implementation Business Unit. "Talus was designed to dramatically reduce development cycle and design costs, and speed yield ramp-up for ICs targeted at 65-nm and smaller process geometries. Magma's is the first RTL-to-GDSII flow that includes end-to-end multithreading capabilities, reducing runtime. Talus enables rapid design closure across multiple modes and corners and integrates a sign-off-quality timer, further reducing the design cycle. To address the growing demand for more energy-efficient systems, Talus offers the first automated multi-voltage design capability and supports several new low-power optimization techniques, making Talus a 'must-have' for power-efficient designs."

Talus has been used by leading semiconductor companies worldwide to develop nearly 40 designs, and more than half were at 45 nanometers.

Talus: The Platform for Nanometer Design

Magma's Talus IC implementation software provides advanced capabilities for nanometer design within an integrated and highly automated RTL-to-GDSII flow. The front-end product allows logic designers to synthesize, visualize, evaluate and improve RTL code quality, design constraints, testability requirements and floorplan. Talus also integrates fast, full-featured, high-capacity predictable synthesis capabilities, full and incremental static timing analysis and power analysis. Magma's physical design solution includes optimization, place and route, useful skew clock generation, floorplanning and power planning, RC extraction and a single, built-in incremental timing analyzer. Based on Magma's unified data model, this platform accurately predicts final timing prior to detailed placement, eliminates timing closure iterations and enables rapid design closure while taking into account nanometer effects such as on-chip variation (OCV). By providing nearly 100 percent redundant vias, Magma offers greater reliability, plus improved manufacturing and full support for leading foundries' nanometer routing rules and parasitic technology files.

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

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SandLinks Achieves First-Time Right Silicon Using CPF-Enabled Cadence Low-Power Solution

25 August 2008

Cadence Design Systems, Inc. announced that SandLinks, Inc. has received functional silicon of its low-power RFID tag device which was implemented using the Common Power Format (CPF)-enabled Cadence® Low-Power Solution. SandLinks was able to achieve key requirements for this chip, including ultra-low-power consumption and longer battery life for the active RFID tag.

SandLinks used the complete Cadence Low-Power Solution, including Encounter® RTL Compiler global synthesis, Encounter Conformal Low Power and the SoC Encounter® RTL-to-GDSII system. For the design and implementation of the radio part of its UWB transceiver, SandLinks used the Cadence Virtuoso® custom design platform.

"Using CPF, our engineers described the power intent as part of the RTL delivery to the back-end design house, shortening the loops, providing consistent guidance and avoiding misunderstanding between the front-end and back-end engineers," said

Dr. Gideon Kaplan, SandLinks co-founder and vice president of research and development. "The proof of the flow is our successful silicon. We estimate that we were able to save about 10 weeks of precious design time by using Cadence's CPF-based low-power design flow."

Encounter RTL compiler global synthesis was employed to predict and optimize power consumption. During verification, SandLinks used CPF, allowing the designers to verify, among other things, the on-off functionality of the chip. The tapeout was on time, and silicon results demonstrated the functionality of SandLinks' UWB transceiver, enabling the company to go ahead with the testing and marketing of its novel RFID system.

"This design provides yet another perfect example of the value of the Cadence Low-Power Solution - first-time right silicon on time," said Dr. Chi-Ping Hsu, Cadence corporate vice president, IC Digital and Power Forward. "The Cadence Low-Power Solution has been production proven and used successfully in production at more than 50 companies. The low-power design methodology, with the Si2 Common Power Format as a basis, enables these companies to quickly deliver highly competitive ultra-low-power products to their markets."

To help design teams adopt advanced power-management techniques, Cadence developed the industry's first complete solution for the design, verification, and implementation of low-power chips. The Cadence Low-Power Solution combines a variety of Cadence technologies that leverage the Si2 Common Power Format, which specifies power-saving techniques early in the design process—enabling design teams to share and reuse low-power intelligence.

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Technia and AKVA group ASA Sign a 3 MNOK Agreement for Product Lifecycle Management to Facilitate Growth

26 August 2008

Technia has signed an agreement with AKVA group concerning a delivery of a PLM solution based on the ENOVIA PLM system from Dassault Systèmes. The delivery is comprised of software, Technia consulting services and components. The PLM solution will speed up AKVA's product development and in turn help AKVA to faster provide their customers with the tools needed to farm their fish in a cost

effective manner worldwide. This order proves Technia's strengths in the competitive Norwegian market.

AKVA group, with its four main brands (Wavemaster, Polarcirkel, Akvasmart and Fishtalk) of aquaculture products, is now the world's most recognized brand of aquaculture technology. AKVA has more than 30 years of experience in design and manufacturing of steel cages, plastic cages and work boats, feed systems, feed barges, sensor systems and fish farming software. Their continued high focus on R&D will ensure their customers to always have the best products available, also in the future. AKVA group offers their customers around the world a wide range of products and services that are vital for cost effective commercial fish farming on a large scale. This Combined with a global sales and support organisation.

"AKVA Group has grown dramatically lately and is planning an aggressive continued growth the coming years in the Aquaculture industry. The business activities are global and cover 4 continents. By employing the ENOVIA MatrixONE PLM solution as a collaboration platform our goal is to enable an efficient product data management process, extensive and easy collaborative between development departments, manufacturing and sales, as well as to standardize our processes. This project will enable AKVA Group to provide the best solutions to this emerging market in a cost effective manner", says Jone Gjerde, Chief Operating Office, AKVA group.

"The AKVA group is widely recognized as one of the most experienced and respected in the global aquaculture industry, so this is a key win for us in the Maritime/Aquaculture segment in the Nordics. Our ability to support AKVA's growth and enhanced global presence were the key for us to win this business", says Jonas Gejer VP at Technia.

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Product News

Agilent Technologies to Collaborate with NVIDIA to Accelerate Signal Integrity Simulations Using CUDA-Based GPUs

26 August 2008

Agilent Technologies Inc. announced its work with NVIDIA to accelerate signal integrity simulations using NVIDIA's Compute Unified Device Architecture (CUDA)-based Graphics Processing Units (GPU). The association is expected to yield the commercial release of a GPU-enabled Advanced Design System (ADS) Transient Convolution Simulator that will allow signal integrity designers to run these simulations dramatically faster than was previously possible.

"We're very pleased to be working with NVIDIA to both speed up their design cycles today and to help our customers solve their signal integrity problems much faster in the future," said Colin Warwick, product marketing manager with Agilent's EEsof EDA division. "In this case, NVIDIA itself is the lead customer for this new blending of technologies."

At high data rates, signal integrity engineers must take into account physical phenomena like impedance mismatch, reflections, electromagnetic coupling, crosstalk, and microwave frequency attenuation due to the skin effect and dielectric loss tangent. NVIDIA's CUDA-based computation acceleration hardware is expected to accelerate Agilent's ADS Transient-Convolution Simulator, allowing designers to perform fast "what-if" design-space exploration using circuit-level models that can be verified against

measured data and EM simulation of the artwork.

Common applications for Agilent's ADS Transient-Convolution Simulator that will benefit from the CUDA-based GPU acceleration include design and verification of chip-to-chip multigigabit/s serial links. These are found in almost all consumer and enterprise digital products produced today, from laptop computers to data center servers, telecommunication switching centers and Internet routers. The accelerated simulation will help manufacturers of these products improve their time-to-market by arriving at an optimum design through rapid and complete exploration of the design space and avoiding costly and time-consuming prototype iterations.

"By employing the CUDA development environment to harness the parallel architecture of the GPU, Agilent has significantly enhanced and accelerated its tools, which solve critical simulation problems for NVIDIA," said Tommy Lee, vice president of System Design and Manufacturing, NVIDIA. "Using Agilent's new CUDA-enabled tools, our engineering team was able to simulate our data path in parallel. We achieved a 14x improvement in simulation time, sped up our NPI process and further increased our design velocity."

About Advanced Design System

Advanced Design System is a high-frequency, high-speed electronic design automation software platform. Recent releases of the software include new signal integrity capabilities, such as the addition of serializer/deserializer (SERDES)/Verilog analog mixed-signal co-simulation for a more complete signal integrity design flow for serial links. Additional information is available at http://www.agilent.com/find/eesof-ads.

Availability

The Agilent ADS Transient-Convolution Simulator running on NVIDIA's CUDA-based Graphics Processing Units is expected to be available in the first calendar quarter of 2009. Beta evaluation of the simulator is expected to be available in October 2008.

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KOMPAS-3D V10 — New Version Launched

27 August 2008

ASCON Group announced the release of its new, improved and even more powerful version of professional three-dimensional solution for Mechanical Computer-Aided Design — KOMPAS-3D V10.

KOMPAS provides classic framework for 3D Solid Parametric Modelling, 2D Drafting, Design and Release of Documentations. Wide range of add-ons and libraries arrange additional features, such as photo rendering, animation, kinematic and dynamic analysis, extended CAD/CAM/PLM integration and others.

New abilities of KOMPAS-3D considerably increase efficiency of designing, quality and speed of new products releases and as a result help the growth of industrial enterprise as a whole. Here is some brief information about the innovative improvements and new libraries in KOMPAS-3D V10.

3D Parametric Modelling and Design Improvements

New abilities for 3D parametric modelling are available now: modify dimension values in sketches by editing of solid operations, full-functional solid operations in assembly. Now could be used the same

operations when working with parts as when working with assemblies (*.a3d): add/remove material, create fillets, chamfers, ribs etc. Thus now users can create solids belonging to the assembly itself but not to any of its components.

TraceParts Online

KOMPAS-3D V10 includes direct access to TraceParts Online Library - one of the largest Mechanical Part catalogues in the world, and feature to import more than 100 million 3D CAD models and 2D drawings, containing European-based and other parts suppliers in the tooling, machinery, aerospace, automotive and many others industries.

Pipelines 3D

It is a specialized application for system KOMPAS-3D, intended for automation of designing pipes and tubes. The library is perfect for using in mechanical engineering and by designing of engineering networks.

APM Studio FEM

Special partnership application for calculation and finite element analyses of machine elements, designed in KOMPAS, and visualization of results of this calculations.

eCAD

The 3D circuit board model converter is a specialized module used to import a 3D circuit board model designed in systems like P-CAD and Altium Designer (also named Protel in the past). The converter can read the standardized data exchange IDF format in KOMPAS-3D. The converter works with IDF-files exported from P-CAD (v. 2000-2006), OrCAD (v. 9.X), and Altium Designer.

KOMPAS-Macro

A new library named KOMPAS-Macro is included in the KOMPAS-3D package. It allows recording, replaying and storing macros.

The macro development environment is Python, which is an object-oriented high level programming language. To develop the initial text of a macro, standard Win API functions as well as specialized KOMPAS-Macro library functions facilitating the development process may be used. Following the development, the software text, or so-called KOMPAS macro, is stored in a text file.

Application library

This free library extends basic feature, such as Check closeness, replace texts in different drawing's objects, Associate dimensions features and others.

These are not the only novelties and enhancements in KOMPAS-3D. The considerable updates were implemented in creating BOMs, working with tables, sketchers and graphical documents, interface, new service functions and others.

KOMPAS-3D V10 is the first version of mid-range MCAD solution totally available not only in English, but also and in German language. For ASCON' customers all over the world French, Czech, Polish and Chinese versions of the software are also available. Contact our resellers in over 30 countries to know more about KOMPAS Professional Solution for MCAD.

Download KOMPAS-3D V10 Demo Version at http://www.ascon.net/download.php

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Magma Introduces Titan Analog Circuit Design Acceleration Solution

25 August 2008

Magma® Design Automation announced Titan™ Analog Migration, solving the analog mixed-signal circuit design and porting problem through a unique modeling approach and enabling circuit optimization for a given process technology in a matter of hours without lengthy SPICE runs.

Titan Analog Migration, an integral part of Magma's Titan mixed-signal design platform, focuses on solving analog/mixed-signal design, optimization and porting challenges. Titan Analog Migration's model-based approach allows circuit optimization and porting in a fraction of the time required by simulation-based techniques. The technology enables product groups to push the design envelope for extreme performance, to center the design for multiple process, voltage and temperature (PVT) corner cases and reduce power and jitter. In addition to providing an efficient and predictable way of storing analog circuits, Magma's Titan Analog Migration reduces design porting time from several weeks to days.

"The simulation-based optimization methodology has not changed for over 25 years and is far too time consuming to use for large-scale analog circuit designs," said Suk Lee, general manager of Magma's Custom Design Business Unit. "Titan Analog Migration allows designers to capture design know-how in a structured and repeatable format and optimize circuits to given specifications using mathematical optimization techniques. It allows customers to very quickly explore the specification boundaries of their own circuits and optimize analog circuits for lower power and lower area in a fraction of the time."

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Magma to Develop Yield Enhancement Software for Solar Cell Fabs

26 August 2008

Magma® Design Automation Inc. announced development of a new yield enhancement software system customized for solar fabs to improve conversion efficiency, increase yield and reduce the manufacturing costs of solar cells. Magma is collaborating with Pegasus Semiconductor-Solar to refine product specifications and test the new product, based on Magma's YieldManager(r) software system.

Solar-converted electricity costs two to three times as much to produce as energy generated from traditional sources. Inefficient energy conversion and the need to produce a very large number of wafers contribute to the high cost. Only about 16 percent of light that hits a solar cell wafer can be collected as usable electricity. To produce enough solar cells to generate 500 megawatts a year, a solar cell fab must produce as many as 400,000 wafers a day, an exponentially larger number than even the largest semiconductor plants produce. The cost of the silicon alone, not to mention the manufacturing costs, for that number of wafers is considerable. Improving the energy conversion efficiency, reducing the manufacturing costs and increasing the yield of silicon wafer-based solar cells are critical to the growth of the solar market.

Magma's new product will allow solar fabs to better monitor all metrology, inspection and performance data throughout the manufacturing process. This would enable fab operators to identify and correct root causes of solar-efficiency and yield degradation caused by subtle fab processing fluctuations or instability.

"Semiconductor manufacturing tools such as rapid fault detection, advanced process control and integrated yield management -- which enabled rapid technology introductions and fast yield ramps -- are

now critically needed in the solar industry to reduce costs," said Dr. Sudhindra Tatti, president of Pegasus Semiconductor-Solar, a systems integrator in the solar industry that also provides semiconductor manufacturing expertise and consulting to solar manufacturers. "To keep up with the overwhelming demand, innovation in the solar fabrication process must be accelerated, and today no enterprise-wide yield enhancement software exists for solar fabs. Being able to base a much-needed solution on a proven product such as YieldManager is a terrific advantage for Magma."

YieldManager enables fast, accurate analysis and correlation of disparate data from most of the equipment in the manufacturing line. With this information, semiconductor test and production engineers can quickly identify and correct root causes of yield loss -- saving time, maximizing equipment utilization, increasing yield and reducing costs. Proven to efficiently address yield management for complex semiconductor fabrication, a solar-targeting version of YieldManager could effectively address the similar solar cell fabrication process.

Magma is collaborating with several solar fabs and will soon announce installation sites in Asia. Magma is defining the product specifications with Pegasus Semiconductor-Solar, which will also conduct beta testing.

"The demand for low-cost alternative energy far outstrips the supply today," said Ankush Oberai, vice president of the Magma's Failure Analysis Business Unit. "We're pleased to support the explosive growth of this fledgling industry with proven, yield management technology."

About Pegasus Semiconductor-Solar

Pegasus Semiconductor-Solar is working to bring solar energy into the energy infrastructure of semi-rural and urban areas of India. Pegasus applies its extensive expertise and experience in semiconductor manufacturing to bring the "semiconductor approach and mentality" necessary to achieve rapid cost reductions and improved performance of solar cell manufacturing. Adoption of advanced technologies is key the company's strategy. In addition, Pegasus is a pioneer in developing ultra-low-power LED lamps which consume much less energy than conventional light sources.

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Rasterex Releases RxView & RxHighlight R10

21 August 2008

Rasterex Software has released version R10 of their family of viewer products for Windows.

RxView allows users to view and print more than 250 different file formats. CAD drawings, 3D CAD models, plot-files, PDFs, Office documents, raster images and scanned drawings without the design software installed on the machine.

RxHighlight is the same software, but via the license, it opens up for advanced functions like redlining, markup, conversion, batch processes and text search & extraction, for collaboration between team members.

“AutoCAD 2009 has been available to our customers for several months already” says Per Christian Lindstad, CEO at Rasterex Software, “but we have waited until release R10 before we included it in an official release”.

New Graphical User Interface (GUI):

Version R10 is built on the intuitive user interface of MS Office 2007, and since also AutoCAD 2009 is built on that interface, it was natural for us to do the same.

Version R9.2 is a parallel option for users who are still most familiar with the XP style. The same filter and feature updates as in R10, but still running with the XP/Office 2003 interface. Both R10 and R9.2 can run under Vista and XP, as well as older version of Windows.

Updated format support:

- AutoCAD 2009 support

Updated 3D formats (licensed separately as optional):

- SolidWorks 2008 support
- Inventor 2009 support
- Solid Edge V20
- PRO/E Wildfire 3.0 support

New features and enhancements in R10 and R9.2:

- Autopan added during measurement, as an option
- Line width or line weight now shown in entity info, if these are known from entity information
- Rotation slider is now disabled for document formats
- Timeout feature added. Application now terminates after 2 hours (configurable, and can be disabled)
- "Send as PDF" now includes option to send all pages
- Markup list now contains both date and time in one field
- Added option for CGM filter: disable marker drawing
- License information removed from registry if trial period expires (Application Exit)
- 10 feature fixes and 17 component fixes implemented
- 32 fixes for file format readers: AutoCAD, CGM, MicroStation, DWF, ME10, PDF and MS Word

Customers under SSA contract have already received the new version. New users can download and try the software for free on Rasterex download page.

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Siemens PLM Software Ships Solid Edge With Synchronous Technology

27 August 2008

Siemens PLM Software announced Solid Edge® software with synchronous technology is shipping to customers worldwide and will ship nine additional languages throughout September. Solid Edge with synchronous technology is the core CAD component of the Velocity Series™ portfolio and incorporates Siemens PLM Software's new breakthrough history-free, feature-based design technology.

Fast, flexible design speeds innovation

Solid Edge with synchronous technology includes key new features that speed innovation. They include

an interactive design paradigm, faster editing tools, native multi-CAD features and 2D/3D workflow integration.

• Create in a new interactive design environment: A new interaction paradigm speeds innovation by enabling users to develop 3D models without any pre-planning giving users up to a 100 times faster design experience.

• Edit faster: New tools increase the speed and flexibility of design changes, so users can perform engineering change orders (ECOs) in seconds instead of hours.

• Edit multi-CAD data as native: All tools in Solid Edge can be used on imported CAD data in the same manner as native models, letting users make changes faster than their supplier.

• Leverage 3D power with 2D simplicity: Familiar 2D workflows within the 3D user interaction paradigm enable users to become experts quickly.

"Solid Edge with synchronous technology will allow us to design special customer requests faster," said John Matthews, mechanical designer, Hatch. "Some of the new editing tools will allow us to make changes quicker in order to meet tight deadlines. "

"With an instantaneous modeling experience, this is going to change the way people think about using CAD," said Jack Beeckman, PLM manager, Liebert Corp. "More importantly it's going to change the way CAD enables them to think about 'what' they want to model, and not 'how' they want to model."

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

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SofTech Announces Linux Support with Latest CADRA Release

27 August 2008

SofTech, Inc. announced that its latest CADRA® 2008 CAD/CAM release supports the Red Hat Enterprise Linux WS Version 4 operating system.

SofTech's CADRA solution is a full-featured mechanical design and drafting program designed to significantly increase mechanical drawing production. Since 1983, CADRA CAD/CAM solutions have successfully helped thousands of mechanical manufacturing companies around the world achieve significant improvements in design productivity and product quality. These companies rely on CADRA solutions to help them design and manufacture a wide range of mechanical parts, products, and machinery in almost every industry.

"With long term support already offered for Microsoft® Windows®, Sun Solaris™ and HP-UX operating systems, this new CADRA release expands support for Red Hat Enterprise Linux, giving CADRA customers another choice for their preferred OS," states Jean Croteau, SofTech's President. "SofTech prides itself on being responsive to our customers' requirements and is proud to continue delivering software solutions that enhance our customers' product productivity, profitability and competitive effectiveness."

For more information on the CADRA solution, please visit SofTech's CADRA Intelligent Design and Drafting section for complimentary brochures and datasheets.

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Solid Edge CAD Connectors for Aras

25 August 2008

Aras® announced the availability of a packaged CAD connector from ICP Solution GmbH & Co. KG, a leading provider of CAD connector integration products and product lifecycle management [PLM] solution deployment services, for the Siemens PLM Solutions Solid Edge 3D and 2D software products.

"Solid Edge is a powerful mainstream CAD system that companies of all sizes are using across many industries, and ICP Solution is providing the corporate community with a robust CAD connector for the Aras Innovator enterprise PLM solution," said Dr. Helmut Maier, President of Dr. Maier CSS. "The ICP CAD connector for Solid Edge enables robust product structure handling and product data extraction with Aras Innovator. For the first time Solid Edge designers have a comprehensive enterprise PLM solution that is flexible, open, and deploys quickly."

The ICP Solid Edge connector product for Aras Innovator provides a comprehensive set of features including:

- Load and save a 3D model structure as a document structure in Aras Innovator
- Create a parts list and import to Aras Innovator as a Bill of Materials product structure
- Create a drawing and refresh title block data
- Synchronization of attributes including user specific attributes in CAD model, header data in drawing frame, release data and change history in drawing frame, and more

In the CAD session users can control the CAD structure and the PLM attributes, and have context sensitive pull-down menus for managing CAD information including:

- Approval, release and revision operations
- Model & drawing status information such as In Work or Released
- Complete or selective structure copy of model & drawing for new variant
- Read and write access rights, reservation capabilities, and preview functionality

"The packaged CAD connector for Solid Edge delivers complete 3D and 2D capabilities for Aras Innovator's enterprise PLM solution," said Martin Allemann, Vice President EMEA for Aras. "Companies now have a proven alternative to the inflexible PDM systems they have been forced to use in the past. With Aras businesses get the most flexible and advanced enterprise PLM solution on the market and they don't have to spend financial capital up-front."

For additional information on the Solid Edge connector product visit http://www.maiercss.de/

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VISTAGY Partners with CSM Vigyan to Extend its Leadership to the Indian Aerospace and Automotive Markets

26 August 2008

VISTAGY, Inc. announced a strategic partnership with CSM Vigyan, a CSM Group company, one of the foremost Virtual Product Development solution providers to the Indian aerospace and automotive markets. The partnership will enable CSM Vigyan to provide cutting edge software for engineering

composite products and airframe assemblies, while extending VISTAGY's global reach by developing a strong presence in a critical emerging market.

CSM Vigyan was established as a CSM group company in 2006 to capture emerging opportunities in high-end technology areas in the aerospace market. CSM Vigyan will leverage the extensive aerospace and automotive industry experience of its group, consisting of CSM Software LLC and CSM Software Pvt. Ltd. With significant composites engineering expertise and a long history of delivering CAD/CAE solutions, CSM Vigyan is an ideal partner for VISTAGY in the fast-growing Indian market.

"The use of composite materials and need for specialized engineering solutions are both expanding so rapidly that the partnership with VISTAGY is extremely important for us," said Dr. Swami Narayanaswami, chairman of the CSM Group of companies. "FiberSIM® is the leading software available to engineer composite products in the aerospace and automotive industries, so we're confident that we can help VISTAGY continue to extend its worldwide leadership position.

"We also think VISTAGY's Airframe Development Environments™ have great appeal in our market because the software enables aerospace engineers to design and manufacture airframes much more efficiently and cost-effectively."

"We're pleased to be working with CSM Vigyan," said Steve Luby, president and CEO of VISTAGY. "We have recently experienced a significant level of activity in the Indian market and CSM Vigyan is well positioned to take advantage of it. It is a very well regarded company with a long history of building strong relationships with its customers. Our partnership with CSM will enable VISTAGY to make an impact in a market that is increasingly strategic for us and will also ensure that our customers are well supported and successful."

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