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## Acquisitions

### *Synopsys Completes Acquisition of CoWare, Inc.*

23 March 2010

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[Synopsys, Inc.](#) announced it has completed its acquisition of CoWare, Inc., a global supplier of software and services for electronic systems design.

With embedded software becoming more pervasive, system-level design and verification solutions are gaining traction among developers. The addition of CoWare's talent and complementary technology extends Synopsys' activities in the system-level design market segment. Synopsys will be able to accelerate and bring to market new solutions based on open interoperability standards so engineers can more quickly design processor and software-intensive products.

The terms of the deal have not been disclosed.

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## Company News

### ***Altair ProductDesign Selects Odyssey to Support the Fabrication of Transit Bus Technology Demonstrator***

24 March 2010

In an effort to develop and commercialize an advanced bus platform that lowers the total cost of ownership and environmental impact of commercial buses, Altair ProductDesign moved one step closer today with the naming of Lake Orion, Mich.-based Odyssey Industries, Inc. as a fabrication partner for Altair's BUSolutions program.

BUSolutions is a collaborative effort between public and private entities to research, develop and commercialize advanced transit bus systems that are significantly more fuel efficient, have lower operating and maintenance costs, are competitively priced and can operate without updating the infrastructure of existing transit authorities.

Additionally, the BUSolutions program includes industry-leading companies that will help to incorporate state-of-the-art components and technologies from the transportation sector. Program sponsors include Arvin Meritor, Hamilton Sundstrand, PRAN, Sika Corporation, Alcoa Howmet, Carrier Corporation, LAAD Industries, Pretoria Transit Interiors, Shaw Development, USSC Group and Williams Controls.

“We used an extensive evaluation process to assess potential fabrication partners in which we sought a Michigan-based company with the facilities, capabilities and experience to manage the fabrication of a 40-foot bus structure within the required timeline,” said Jeff Hopkins, BUSolutions design manager at Altair ProductDesign. “Of the candidates evaluated, Odyssey was the clear choice. We have great confidence in their abilities, highly skilled workforce and experience within the aerospace and automotive industries.”

Altair is working closely with Odyssey to fabricate the first technology demonstrator bus. Fabrication of the bus body structure is currently underway at Odyssey and final assembly is slated to begin this summer at Altair.

“We are thrilled to be a partner in the BUSolutions program that is putting Michigan at the forefront of solving emerging public transit technology issues through innovation and collaboration,” said Gary Rymiszewski, vice president of manufacturing at Odyssey Incorporated. “We will leverage more than 20 years of experience in fabricating and finishing aerospace tooling and structures of all sizes to

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successfully fabricate the demonstrator buses.”

Once the build of the first technology demonstrator bus is complete, Altair will conduct testing to validate the reductions in fuel, maintenance and lifetime-operation costs. Any necessary improvements will be incorporated so the design is production ready, ensuring a smooth transition of the program into a commercialization phase.

Since BUSolutions launched in 2005, Altair has worked closely with local transit authorities, the Suburban Mobility Authority for Regional Transportation (SMART) and the Detroit Department of Transportation (DDOT), to ensure the newly designed bus platform will meet regulatory requirements and address the needs of bus drivers and riders. Altair also established the BUSolutions Advisory Board to offer insight into broader community needs, as well as perspective on actual ridership issues and public interface ergonomics. As a result, Altair ProductDesign successfully completed the bus structure engineering incorporating design principles that will enhance the rider experience.

## **About Altair BUSolutions**

Launched in 2005, the Altair BUSolutions program was established to develop and commercialize an advanced bus platform that lowers the total cost of ownership and environmental impact of commercial buses without updating the infrastructure of existing transit authorities. Leveraging the company’s deep domain knowledge in vehicle systems and cutting edge simulation-driven design practices to establish design feasibility, Altair successfully partnered with Automation Alley, Michigan's largest technology business association, to secure federal funding to build working technology demonstrators for future commercialization. BUSolutions is administered by the Federal Transit Administration (FTA) and is locally supported by southeast Michigan congressional members, transportation industry partners, and local transit authorities, SMART and DDOT. For more information, visit [www.altairproductdesign.com/CaseStudy\\_BUSolutions.aspx](http://www.altairproductdesign.com/CaseStudy_BUSolutions.aspx).

## **About Odyssey**

Odyssey is a high-technology solutions provider that supplies leading companies within the manufacturing industry and global aerospace markets with the highest-quality total solution to product development. For more than 20 years, Odyssey has implemented strategically beneficial partnerships and teaming arrangements with other major manufacturing firms to provide cost-efficient, high-quality development of new and redesigned tooling and structural assemblies. For more information, visit [www.odysseytooling.com](http://www.odysseytooling.com).

## **About Altair ProductDesign**

Altair ProductDesign is a global, multi-disciplinary product development consultancy of more than 500 designers, engineers, scientists, and creative thinkers. As a wholly owned subsidiary of Altair Engineering, Inc. (<http://www.altair.com>). Altair ProductDesign firmly advocates a user-centered, team-based design approach and uses proprietary simulation and optimization technologies to help clients bring innovative, profitable products to market faster. To learn more, please visit [www.altairproductdesign.com](http://www.altairproductdesign.com).



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***Aureus Pharma Announces Its Participation in €118 Million Biointelligence R&D Programme to Promote the Use of Systemic Modelling and Simulation Tools in the Life Science Industry***

23 March 2010

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Aureus Pharma, a leading provider of knowledge management solutions to accelerate discovery in the life sciences industry, announced its participation in a EUR118.2 million (USD 160 million) project. The project is the BioIntelligence R&D programme designed to promote the use of systemic modeling and simulation tools to exploit biomedical databases to improve research efficiency.

The BioIntelligence R&D programme will be coordinated by Dassault Systèmes, and involve leading life science industry players such as sanofi-aventis, Ipsen, Servier, Pierre Fabre, Bayer Cropscience, as well as public research institutes like Inserm, Inria and Genopole and SMEs specialised in bioinformatics such as Aureus and Sobios. This programme will account for a total of €118.2 million of eligible expenditure from which €46.3 million will be from OSEO, a public company supporting innovation and growth of SMEs.

BioIntelligence will promote the use of systemic modelling and simulation tools to exploit biomedical databases. This innovative approach, based on the Product Lifecycle Management (PLM) method used by manufacturing industries, will enable life science industries to optimize the research phases of drug development.

[Aureus](#) will participate in the development of the Knowledge Management layer of the planned system and build new innovative content in therapeutic areas like oncology, as well as in the area of nuclear receptors, proteases inhibitors and life science semantics. In addition to providing significant funding, this programme will also enable Aureus to evolve its data models to integrate more complex drug and drug candidate properties, biological protocols or regulation of physiological responses. Aureus Pharma expects to receive aids for a total of €3.5 million but further details are not being made public.

“We are excited at the opportunity working with such prestigious partners in the BioIntelligence consortium,” said Dr Jason Theodosiou, President & CEO of Aureus Pharma. “This programme confirms the key contribution of Aureus’ know-how in the development of knowledge-driven information systems in the life science industry. Aureus brings its long term experience in organizing and structuring scientific data into knowledge. This programme will provide Aureus further resources and insight on scientists’ specific needs and sustain the development of new innovative products to continue serving our market”.

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## ***Autodesk Developer Network Partners Support AutoCAD 2011***

25 March 2010

[Autodesk, Inc.](#) announced the immediate support for [AutoCAD 2011](#) software by several leading members of the [Autodesk Developer Network](#) (ADN).

AutoCAD 2011 technology provides significant increases in productivity, new tools for conceptual design and point cloud support. Through ADN support, partner companies help to provide their customers the full benefits of AutoCAD 2011.

“One of the strongest and most unique features of AutoCAD is its flexibility and extendibility. Thousands of unique tools have been developed using AutoCAD, which has expanded options and possibilities for custom and industry-specific design software,” said Guri Stark, vice president, AutoCAD & Platform Solutions. “Thanks to these partners, all manner of customers and developers can derive greater benefits from Autodesk software solutions.”

Autodesk developers using AutoCAD 2011 as a foundation for their products include:

Crea Co., Ltd ([www.crea-world.jp](http://www.crea-world.jp))

Hongye ([www.hongye.com.cn](http://www.hongye.com.cn))

HydraTEC ([www.hydratecinc.com](http://www.hydratecinc.com))

Kubit ([www.kubitusa.com](http://www.kubitusa.com))

KUBOTA Corporation ([www.kcad.kubota.co.jp](http://www.kcad.kubota.co.jp))

Lizheng ([www.lizheng.com.cn](http://www.lizheng.com.cn))

ShipConstructor ([www.shipconstructor.com](http://www.shipconstructor.com))

SOFiSTiK AG ([www.sofistik.de](http://www.sofistik.de))

Striker Systems ([www.striker-systems.com](http://www.striker-systems.com))

THSWARE ([www.thsware.com](http://www.thsware.com))

VRMesh ([www.vrmesh.com](http://www.vrmesh.com))

Today more than 200 AutoCAD 2011 compatible add-on applications are already available, with hundreds more to come in the next few months.

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## ***Autodesk Drives Global Alignment of New Partner Program***

25 March 2010

[Autodesk, Inc.](#) introduced several enhancements to the [Autodesk Partner Program](#) to address the growing global need for cross-industry solutions. Channel partners worldwide will now be able to sell complete industry solutions as the result of broader product authorizations.

The new global Autodesk Partner Program represents a natural evolution of the company's effort to provide better customer and partner experiences. The program delivers greater access to products, a simplified tier system, enhanced partner rewards and expanded professional development through more online learning.

“For 27 years, our channel has been instrumental in delivering world-class design solutions, products and services to customers around the world,” said Ken Bado, executive vice president of sales and services, Autodesk. “We are committed to continue seeking new ways to help our partners provide sustained value to our end customers. We are therefore providing our channel partners more product access, better tools, resources and the support necessary for them to grow and maintain a healthy business.”

### **The Autodesk Partner Program**

Partner feedback played an important role in shaping the new Autodesk Partner Program. Enhancements enable [Autodesk partners](#) to differentiate themselves, while becoming more customer focused in their selling strategies.

**More Product Access through Expanded Authorizations** – Partners worldwide are now authorized to sell complete industry solutions to users of Autodesk software, further broadening the scope of offerings available to customers.

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**Better Professional Development Opportunities** – Autodesk partners can gain the product and sales skills needed to provide customers with complete industry solutions. In 2010 Autodesk is delivering four online certification programs for manufacturing, architecture, engineering, construction, media, entertainment and general design. The company is delivering more professional development and online training than ever before.

**Simplified Tiers with Greater Differentiation** – Autodesk will now authorize its partners using new Gold, Silver and Bronze tiers, providing clearer differentiation of partner's offerings.

## **Autodesk Learning Central**

Autodesk Learning Central (ALC), a new role-based learning management system, will become the partners' global command center for professional development. ALC supports our partners' learning needs, enabling them to enhance skills and knowledge more efficiently. More time can then be committed to sales and technical activities with customers. Available in nine languages, the online courses are defined for specific roles within a partner organization and tailored to specific regions, industries and partner needs minimizing individual training time and strain on partners' resources. More than 6,000 partners have already participated in ALC training.

## **Autodesk Channel Service Program**

The Autodesk Channel Service Program helps partners grow their business through turn-key packaged consulting services for their customers. Autodesk has delivered ten packaged offerings providing standard, repeatable consulting implementations to help customers maximize the value of their Autodesk solutions.

The Revit Health Check solution, for example, is a post implementation assessment aimed at checking how efficiently the customer is using Autodesk Revit-based software. Following a detailed analysis of project files, consultants can provide a comprehensive report determining the strengths and weaknesses of the implementation and make recommendations for improvement.

## **Enhanced Deal Registration**

The Autodesk Customer Engagement (ACE) deal registration program rewards resellers for actively developing, nurturing, and closing Autodesk solution sales. Customers benefit from a more engaged, richer sales experience, and partners benefit through access to resources that enhance customer relationships.

“The success of our business depends on the success of our partners,” said Bado. “We’re confident that our new Partner Program Framework will make it even simpler for partners to work with us and will provide great value to their businesses.”

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## ***Delcam Appoints Three Japanese Resellers for Integrated CAM for SolidWorks***

24 March 2010

Delcam announced the appointment of three Japanese resellers for its integrated CAM system for SolidWorks, Delcam for SolidWorks. The three companies, Tactx, FACT and Infinity Solutions, have all been leading suppliers of CAD/CAM systems to Japanese industry for several years.

Founded in 1946, Tactx (<http://www.tactx.co.jp>) is one of the largest CAD/CAM resellers in Japan, with

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more than 100 staff in 10 offices around the country. The company has worked with Delcam for 13 years and has been most successful in selling the PowerMILL CAM system for high-speed and five-axis machining. Tactx also distributes Delcam's FeatureCAM feature-based CAM software and the PartMaker system for the programming of turn-mill equipment and Swiss-type lathes.

FACT (<http://www.fact-cam.co.jp>) was established in 1990 and has become the leading dealer for FeatureCAM in Japan. The company has been named International Distributor of the Year for the software on eight occasions. FACT operates from four offices in the main industrial centres in Japan.

Although Infinity Solutions (<http://www.infinitysolutions.co.jp>) is a relatively new name, having been formed in 2006, the company's experienced staff have helped it to grow rapidly. It has become the second-largest dealer for FeatureCAM in Japan and, this year, has added PartMaker. Infinity Solutions has established bases in China and Hong Kong, as part of plans to grow into a global company.

Delcam for SolidWorks combines the benefits associated with Delcam's PowerMILL and FeatureCAM CAM systems. It is based on Delcam's machining algorithms that are already used by more than 30,000 customers around the world. These strategies ensure increased productivity, maximum tool life and immaculate surface finish, even when cutting the hardest, most challenging materials.

At the same time, Delcam for SolidWorks has the same strong focus on ease of use as FeatureCAM, including all of the knowledge-based automation that makes the software so consistent and reliable. Most importantly, Delcam for SolidWorks includes FeatureCAM's Automatic Feature Recognition system which automatically extracts detailed feature information from the SolidWorks model. Once the features have been identified, Delcam for SolidWorks undertakes automatic selection of cutting tools, machining strategies, and feeds and speeds, to complete the programming operation.

[Delcam](#) for SolidWorks is, of course, fully integrated into the SolidWorks environment so that the program looks and behaves like SolidWorks. It offers full associativity so that any changes in the CAD model are reflected automatically in the toolpaths. However, this associativity is more intelligent than that offered in many other integrated CAM systems. Delcam for SolidWorks does not simply modify the existing toolpaths but also reviews the choice of cutting tools and machining strategies, and changes them if necessary.

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## ***ESI Announces the Virtual Performance Educational Package***

23 March 2010

With the release of a [Virtual Performance Educational Package](#), [ESI](#) makes its [Virtual Performance Solution](#) accessible to students in a special version to perform structural analyses and impact simulations.

Available for download on the portal [www.esi-educational.com](http://www.esi-educational.com), the [Virtual Performance Educational Package](#) is free for students and teachers during the first 6 months. Offering an easy-learning introduction to simulation basics, [ESI's Virtual Performance Educational Package](#) enables static and modal analyses (implicit solver) and crash/impact simulation ([PAM-CRASH](#) explicit solver). The user environment consists of three modules of [Visual-Environment](#), an open framework for collaborative engineering: Visual-Mesh, Visual-Crash PAM and Visual-Viewer.

[ESI's Educational Package](#) is meant for Undergraduate and Masters students, initiating them to simulation through self-learning tutorials inspired from automotive and aerospace case studies. The

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models may contain up to 12 000 nodes, a model size that enables a fast calculation time on personal computers.

“The general PAM-CRASH explicit/implicit finite element dedicated software is an important part of the Institute of Aircraft Design advanced teaching course on numerical methods at the University of Stuttgart”, said **Dr. Anthony Pickett**, Scientific Director at ESI Group and Professor at the Institute für Flugzeugbau (*IFB*) of Stuttgart in Germany. “The structured tutorial examples and user friendly, integrated, pre- and post-processor packages quickly allow the students to perform advanced simulations on static, non-linear, impact and crash. We have found it to be a very effective teaching aid and research tool”.

“Tutorials using PAM-CRASH explicit finite element code are an integral part of the Finite Elements and Materials Modeling module of the Advanced Materials MSc course at Cranfield University. The students use the software to reinforce their learning on explicit finite element technologies, whilst investigating real life impact problems. The tutorials provided by ESI allow a very efficient introduction to the pre- and post- processing tools”, declared **Dr. Alex Skordos**, academic fellow at Cranfield University in the UK. “The Virtual Performance Educational Package is an extremely useful teaching tool which ties very well with our research activities”.

To learn more, please visit: [www.esi-group.com/educational](http://www.esi-group.com/educational) and download the software free for the first 6 months at [www.esi-educational.com](http://www.esi-educational.com).

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## ***IMAGINiT Technologies Australia Now Authorized to Sell into the Architectural, Engineering and Construction Market***

24 March 2010

RAND Worldwide® announced that its IMAGINiT Technologies division based in Adelaide, Australia, has received Silver Partner authorization to sell the Architectural, Engineering and Construction (AEC) suite of products into the Australian marketplace. IMAGINiT Technologies has been serving the CAD needs of the manufacturing sector of the Australian market for 15 years, and is pleased to now extend their expertise into the growing AEC space.

“The building and construction industry is a major driver of activity in the Australian economy”

With this authorization, IMAGINiT can now provide solutions to clients looking to increase profitability, reduce risk and maximize efficiencies in design, construction and operations, through the implementation of the following products: AutoCAD Architecture, Autodesk Ecotect Analysis, Autodesk Navisworks, Autodesk Revit Architecture and Autodesk Quantity Takeoff.

“The building and construction industry is a major driver of activity in the Australian economy,” said Michael Lachs, managing director, IMAGINiT Technologies Australia. “Whether firms are looking to build or renovate residential and non-residential buildings or engage in engineering construction projects, we now have the tools to help architects, engineers, contractors and owners explore a project’s key physical and functional characteristics digitally before it’s built.” Lachs adds, “With this authorization, we look forward to helping organizations execute on the collaborative promise of building information modeling (BIM) and integrated project delivery (IPD).”

“We worked with IMAGINiT Australia on a civil engineering project that included the design of a cycle and pedestrian bridge in the Adelaide City Park Lands,” said James Hayter, director at Oxigen. “While

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this project was primarily focused on the civil engineering and design of a bridge, IMAGINiT clearly grasped the engineering components of the project and demonstrated their expertise in the construction process. It is a natural progression for them to offer products that further enhance their customer's capability to deliver best in class projects.”

To find out more about the AEC products being offered by IMAGINiT Australia and how they can help your organization deliver on the promises of BIM, IPD and green design, visit:

<http://www.rand.com/imaginit/AustraliaAEC-pr>



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### ***IMAGINiT Technologies Bolsters Support for Autodesk's 2011 Product Release***

25 March 2010

RAND Worldwide® announced that its IMAGINiT Technologies division is now offering the 2011 suite of Autodesk products (link: [www.rand.com/imaginit/2011-pr](http://www.rand.com/imaginit/2011-pr)). The new features included in the 2011 products focus on helping organizations transform business challenges into opportunities.

“By partnering with IMAGINiT, we can help tailor solutions for our clients to enable innovation and also maximize their position in the marketplace.”

“As Autodesk's largest global reseller partner, we are thrilled to have the opportunity to work with companies to help them understand and implement the enhancements in Autodesk's 2011 software solutions” stated Bob Heeg, executive vice president, IMAGINiT Worldwide Operations. “By partnering with IMAGINiT, we can help tailor solutions for our clients to enable innovation and also maximize their position in the marketplace.”

To support the rollout of the 2011 products, IMAGINiT Technologies will be hosting a global series of “Seize the Opportunity” live launch events (link: [www.rand.com/imaginit/2011-pr](http://www.rand.com/imaginit/2011-pr)) that showcase product demonstrations of the new software capabilities. At these events, the 2011 products will be demonstrated by IMAGINiT technical experts and in many locations Autodesk product evangelists will be on hand to showcase the new products. Live events will be held in the following cities on the following dates:

- April 21, 2010 – Adelaide, AUS
- April 21, 2010 – Cleveland, OH
- April 22, 2010 – Chicago, IL
- April 22, 2010 – Melbourne, AUS
- April 28, 2010 – Toronto, ON
- April 29, 2010 - New York, NY
- May 4, 2010 – Boston, MA
- May 11, 2010 - Calgary, AB
- May 12, 2010 – Vancouver, BC
- May 13, 2010 – Seattle, WA

To register for any of these events, visit: [www.rand.com/imaginit/2011-pr](http://www.rand.com/imaginit/2011-pr). IMAGINiT will also be

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holding a series of product webcasts that focus on the latest enhancements to the products.

In addition to the 2011 launch events, ProductivityNOW our online support and resource tool for Autodesk users, will be up and running to support 2011 product questions beginning March 25, 2010. The IMAGINiT training team will be offering new training classes on the 2011 products as early as June 2010. The first courses available will include: AutoCAD/AutoCAD LT 2011 Fundamentals; AutoCAD 2011 Update for AutoCAD 2009/2010 Users; Autodesk® Inventor 2011 Introduction to Solid Modeling.

For more information: [www.rand.com/imaginit/2011-pr](http://www.rand.com/imaginit/2011-pr)

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## ***Infinite Joins Aras Partner Program***

26 March 2010

[Aras](#)® announced that Infinite Computer Solutions, a global provider of IT Services, Infrastructure Management Services and Intellectual Property Leveraged Solutions headquartered in Bangalore, India, has joined the Aras Partner Program.

With offices at multiple locations in the U.S., U.K., India, Singapore, Malaysia and China, Infinite's footprint spans countries on four continents. The company provides IT Services to leading organizations in the Telecom, Media, Technology, Manufacturing, Power and Healthcare industries and prides itself on developing a clear understanding of their client's unique business challenges, proposing solutions that keep the best interest of the client in mind and developing long-term relationships with global clients. Services include product engineering, product development, application management outsourcing and packaged application services.

"We are pleased to expand our services to include Aras Enterprise Open Source PLM software," said Upinder Zutshi, Managing Director of Infinite Computer Solutions. "By offering Aras's advance PLM software solution suite, Infinite will be well-equipped to meet the evolving business and technology needs of our Global 1000 clients."

"Aras welcomes Infinite to the partner program and the corporate community," said Peter Schroer, President of Aras. "Infinite has a proven record of successful engagements with Fortune 500 companies, and we look forward to working with them to bring the power and value of Aras to businesses around the world."

## **About Infinite**

Infinite Computer Solutions (India) Limited is a global service provider of Infrastructure Management Services, Intellectual Property (IP) Leveraged Solutions and IT Services. Focused on the Telecom, Media, Technology, Manufacturing, Power and Healthcare industries, the company provides onsite, offsite, and near-shore capabilities in major international markets. Infinite has established its presence in most of the large telecom and IT services markets of the world, with offices at multiple locations in the U.S, the U.K, India, Singapore, Malaysia, and China. For more information visit [www.infinite.com](http://www.infinite.com)

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## ***iSUSTAIN™ Alliance Launched to Promote Green Chemistry Awareness***

22 March 2010

# CIMdata PLM Industry Summary

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[Beyond Benign Foundation](#), [Cytex Industries Inc.](#) and Sopheon announced that they have formed the iSUSTAIN Alliance to promote Green Chemistry awareness in the global chemical industry.

The alliance has launched a website, <http://www.isustain.com>, which allows chemical manufacturers and users to track their progress in developing greener products over time. They will be able to assess the sustainability of new products using a systematic approach, which is both comprehensive and simple, to help shape the formulation of these products. The site allows companies to test their green product attributes and give each product an iSUSTAIN Green Chemistry Index rating which will be independently verifiable through a certification process.

The academic community will be able to use the iSUSTAIN application free of charge, while company users will pay a small subscription fee. An advisory board for the Alliance will be established in the coming months, which will include representation from the website's user community.

“As a non-profit organization dedicated to green chemistry education, we are excited to be involved with the iSUSTAIN Alliance. This new tool is long overdue and will be invaluable not only to industrial chemists designing safer processes and products, but also as a resource for students, educators and the designers of the next generation of molecules and materials,” said John C. Warner, President of Beyond Benign and the President and Chief Technology Officer of the Warner Babcock Institute for Green Chemistry.

“Sustainability is a major strategic focus for a growing number of our customers,” said Andy Michuda, Chief Executive Officer of Sopheon. “Many of them are already using our software and services to support their efforts to create and produce more environmentally friendly products. Our participation in the iSUSTAIN Alliance provides us with a unique opportunity to further our commitment toward helping product innovators in the global chemical industry achieve their social, environmental and business goals.”

“Cytex has been seeking ways to become more sustainable on many fronts including energy, packaging, safety and product design. We use the iSUSTAIN product and process design tool to assist in these sustainability efforts,” said Martin Court, Vice President for Research and Development, Cytex Specialty Chemicals.

For more information on how to access the iSUSTAIN™ Green Chemistry Index please contact Ron Helgeson at [ron.helgeson@sopheon.com](mailto:ron.helgeson@sopheon.com) or (952) 851-7585.

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## ***KOMPAS-3D Modelling Contest: Projects Receipt Extended Until May 1, 2010***

22 March 2010

ASCONE Group, developer of professional CAD/AEC/PLM, continues to accept projects for its 8th annual Modelling Contest for users of its MCAD solution, KOMPAS-3D. Designers, engineers and all 3D CAD interested are welcome to take part in the competition and share results of their work made in Professional, as well as in free LT version of KOMPAS. This year upon many customers' request ASCONE to prolong applications receipt term till 1 of May. We are waiting for your work in following categories:

- The best projects made in KOMPAS-3D in two branches — “Mechanical Engineering” and “Industrial and civil engineering”;

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- The best professional projects made in KOMPAS-3D (up to 200 parts, from 201 to 999 parts, from 1000 to 4999 parts, over 5000 parts);
- The best branch projects made in KOMPAS-3D and add-ons;
- The best project made in LT version of KOMPAS-3D. KOMPAS-3D LT is available for FREE download at [ascon.net/download/kompas/](http://ascon.net/download/kompas/).

One of numerous already received models is work “Motorcycle” of Michael Prech from Poland. Mr. Prech was the winner of KOMPAS-3D Modelling Contest for users of KOMPAS-3D LT version in 2009. That time he has awarded with – full-functional version of professional Mechanical CAD solution KOMPAS-3D for one year.

The winners of VIII KOMPAS-3D Modelling Contest will be announced in June 2010 and awarded with valuable prizes from ASCON and Sponsors of the event: NVIDIA, Cybercom Ltd (authorized reseller of ZCorporation), Softkey and DEPO Computers.

For more information about the contest please visit <http://ascon.net/main/news/items/?news=709> or contact us direct at [contact@ascon.net](mailto:contact@ascon.net)

Download free version of KOMPAS-3D LT at <http://www.ascon.net>

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## ***MSC.Software Garners Excellent Supplier Award in China's Manufacturing Industry***

22 March 2010

**MSC.Software** announced that MSC.Software has garnered the excellent supplier award in China's manufacturing industry from e-Works Manufacturing Information Technology.

e-Works Manufacturing Information Technology (China) Co. Ltd. is one of the best known information technology research, training and consulting companies serving Chinese manufacturing enterprises. In its seventh year, e-Works honored China's best-of-the-best in its China Manufacturing Information Annual Round-up featuring the CIO Annual Conference held on 18 March 2010.

"MSC.Software is one of the leading suppliers in the computer-aided engineering software and services arena in China. MSC.Software continues to provide their customers with reliable, proven technology which has been successfully implemented and used by many of China's top manufacturing organizations today," said Wang Yang, editor, e-Works.

MSC.Software was honored with the Excellent Supplier award scoring well across all evaluation criteria including technology innovation, customer user satisfaction, market dominance and growth potential.

"It is gratifying to see MSC.Software continue to be recognized by the industry and our users for our commitment to providing effective solutions that help our customers simulate real-world behavior and enable innovation within the manufacturing industry," said David Yuen, Senior Vice President and General Manager, MSC.Software Asia Pacific.

"Our recent slew of awards is an excellent validation of MSC.Software's impact on China's manufacturing landscape. Our 2010 product releases represent an important advance in computer-aided engineering software and is shaping up to have a similar or if not, bigger impact across the industry," said Kokbeng Thiam, Marketing Director, MSC.Software Asia Pacific.

## About e-Works

e-Works Manufacturing Information Technology (China) Co. Ltd. is one of the best known IT research, training and consulting companies serving Chinese manufacturing enterprises. It hosts one of the largest information technology portals, [www.e-works.net.cn](http://www.e-works.net.cn), which has over 300,000 subscribers and records daily unique visitors of 50,000, providing Chinese manufacturing companies information and opinion about CAD/CAM, CAE, PLM, ERP, CRM, SCM and other IT applications of interest to Chinese manufacturing enterprises.

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## ***M2 Technologies Now Offering Autodesk's 2011 Digital Prototyping Software***

25 March 2010

M2 Technologies announced it will offer Autodesk's latest 2D and 3D design and engineering software for manufacturers. The new 2011 product lineup for manufacturers includes Autodesk Inventor, AutoCAD Mechanical, AutoCAD Electrical, Autodesk Alias family, Autodesk Moldflow, Autodesk Algor Simulation, Autodesk Showcase, Autodesk Inventor Publisher and Autodesk Vault family software -- applications within the Autodesk solution for Digital Prototyping.

Digital Prototyping with Autodesk Inventor software gives manufacturers the ability to digitally design, visualize and simulate how a product will work under real world conditions before it is built. Digital Prototyping reduces reliance on physical prototypes, which helps reduce cost and speed time to market in highly competitive industries.

"Autodesk Inventor 2011 leads the 3D CAD industry with Digital Prototyping tools that help manufacturers design better products, reduce development costs, and get to market faster," said Amy Bunszel, senior director, Digital Engineering, Autodesk Manufacturing Industry Group. "Designers and engineers can expect dramatic usability and productivity gains across our entire 2011 manufacturing software portfolio."

"We're excited for the launch and looking forward to the year ahead. The new Autodesk products, paired with our team of experts, create a powerful partnership and in turn, increase the overall value of offerings to our clients," says Matthew Burke, Principal of M2 Technologies. "The 2011 product line consists of valuable tools that will help our customers more efficiently and productively solve their design challenges."

M2 Technologies has been a leading provider of Autodesk solutions since 1999. They are one of only eight Autodesk Gold Partners in the United States, a Consulting Services Partner and an Authorized Training Center (ATC).

[M2 Technologies](#) will be offering the new versions of the following Autodesk products:

AutoCAD Electrical 2011 software helps electrical controls designers to quickly create control system designs and easily access extensive catalog information for large electrical controls projects.

AutoCAD Mechanical 2011 software's streamlined design environment gives users vastly improved access to power dimensioning functionality, which automatically aligns part dimensions with the rest of the drawing properties, without ever opening a dialog box.

Autodesk Algor Simulation 2011 mechanical simulation tools now feature integration with Autodesk Moldflow 2011 software, allowing engineers to utilize Moldflow analysis results and the extensive

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Moldflow material database when performing simulations on plastic parts.

Autodesk Alias 2011 family -- Alias Sketch, Alias Design, Alias Surface and Alias Automotive software -- deliver surfacing capabilities supported by sketching, modeling and visualization tools. New Autodesk Alias Sketch software's hybrid paint and vector workflow helps creative professionals transform ideas into compelling design iterations.

Autodesk Inventor 2011 software's new direct manipulation capabilities fundamentally improve the mechanical design process. Inventor 2011 software also incorporates Autodesk's design visualization capabilities so users can better conceptualize and communicate designs within the 3D CAD application.

Autodesk Inventor Publisher software makes its commercial debut after its recent Technology Preview on Autodesk Labs. The easy-to-use software for creating compelling product documentation enables manufacturers to provide their customers with clearer and more comprehensive technical instructions by leveraging the same digital model used in the design to manufacturing process.

Autodesk Moldflow 2011 software helps users simulate and optimize plastics part and injection mold designs long before manufacturing begins. Users can now easily export their Moldflow analysis results to Autodesk Showcase 2011 visualization software to expose defects and see how the part will look in real life, helping them to assess part quality and make design decisions.

Autodesk Vault 2011 family now features a heads-up display for easily managing design data and graphically mapping Vault information directly to Inventor models to streamline workflows, fundamentally improve the reporting and decision-making process, and accelerate model selection and interaction.

## **Availability**

The 2011 line of products can easily be purchased by visiting M2's website at <http://www.m2t.com>. You can view the new products and features online via M2's free webinars or by joining M2 at their Seize the Opportunity: Manufacturing Solutions event in Westborough, MA on May 14th, 2010.

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## ***Ohio Capital Fund Announces Assistance to Fortieth Company Fund's Support Helps Attract New Mexico Company***

12 March 2010

The Ohio Capital Fund made public the funding of the fortieth Ohio company to benefit from the program. The company, Comet Solutions Inc. recently moved its executive offices from Albuquerque, New Mexico to Cincinnati.

“The Ohio Capital Fund’s mission is to attract venture capital investment to Ohio to help grow a strong entrepreneurial ecosystem. Today’s announcement shows our efforts are working,” said Paul Cohn, Regional Director of Fort Washington Capital Partners Group, the manager of the Ohio Capital Fund. “We, along with Ohio’s Third Frontier Program, are building a new generation of technology-based Ohio companies and markets around the globe are taking notice.”

Cohn stressed that the Ohio Capital fund does not invest directly in companies. The Fund’s mission is to attract venture capital investment to help grow Ohio companies. It does so by providing investment capital to venture capital funds that commit to invest in Ohio companies. In the case of Comet Solutions, The Ohio Capital Fund invested in Athenian Venture Partners (headquartered Athens, Ohio with a

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presence in both San Diego and Boston) which then invested in Comet Solutions. The indirect investment process leverages additional private resources and builds a more robust entrepreneurial environment. Tri-State Growth Capital Fund of Cincinnati is another Comet Solutions investor.

“We are excited to be a part of Ohio’s evolving technology environment,” said Comet CEO Dan Meyer. “Ohio was wise to establish the Third Frontier Program and the Ohio Capital Fund. Because of this, our management team’s decision to move to Ohio was obvious even over locations like Silicon Valley and along the Eastern seaboard.”

Comet Solutions offers software applications that allow engineers to virtually construct and test products for design flaws. Comet Solutions helps make sure satellites will withstand the rigors of launch and the environmental conditions of space before construction even begins which identifies potential problems early and saves precious resources. Comet currently has seven employees in Cincinnati and expects to add more than twenty in the next two years. The company maintains a research and development facility in Albuquerque.

Ohio has recently experienced impressive results when it comes to attracting early and seed-stage business investment. A recent study conducted by the Ohio State University’s Fisher College of Business\* found that early-stage investment in Ohio increased by 50% in 2008 over the previous year. Further impressing experts was the fact that this unprecedented expansion occurred while national averages for this stage of investment decreased by 20%. Sectors of Ohio’s economy that have proven most successful in attracting early-stage investment include specialty materials, information technology and energy with the largest gains in health care and biomedical sciences.

\*See the 2008 Venture Capital Report at: <http://fisher.osu.edu/mag/2009/vcreport/>

To date, the [Ohio Capital](#) fund has committed funds in 21 venture capital funds 8 of which have a new presence in Ohio due to the commitment from Ohio Capital Fund. The 21 venture capital funds and their co-investors have invested nearly \$250 million in Ohio companies. Those companies employ nearly 1,600, and have a combined annual payroll of more than \$100 million. Most of these companies remain in the early stages of development and will likely grow exponentially. For every Ohio Capital Fund dollar invested in venture capital funds, Ohio has attracted \$4.76 in venture capital to support emerging businesses

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## ***PTC Donates Product Development Software Including Pro/ENGINEER, Windchill and Mathcad to the Real World Design Challenge***

PTC® announced that it has provided commercial-grade product development software, including Pro/ENGINEER®, Windchill® and Mathcad®, to the Real World Design Challenge ([www.realworlddesignchallenge.org](http://www.realworlddesignchallenge.org)), a national aeronautical design competition.

PTC also provides connections and access to mentors from its partner organizations across America who are participants in the competition and program management for the competition. The challenge is designed by professionals from industry, government and academia and is one of the aerospace industry's top priorities for workforce development in the student community.

The challenge provides high school students in grades 9-12 with the opportunity to work on real world engineering challenges in a collaborative, team-based environment, applying the lessons of the classroom to the technical problems of the workplace. The winning teams from each participating state,

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including Newburyport High School in Massachusetts, Warren Consolidated Schools - Career Prep Center in Michigan and Hutchinson High School in Minnesota, received an all expense paid trip to Washington D.C. to compete at the National Challenge Event March 26-29, 2010 and will receive their awards at an event at the National Air and Space Museum.

Every year the challenge is developed and implemented by a public-private partnership committed to providing resources to students and schools to support Science, Technology, Engineering and Mathematics (STEM) education. The partnership is dedicated to bringing professional tools and resources to students and providing real world engineering experiences in which they can apply science and mathematics principles. Student teams are asked to address a real challenge that confronts our nation's industries. This year, teams were asked to design a plane looking at the forces of flight, lift, weight, thrust and drag, with the aim of enhancing fuel efficiency.

"Across the board, there is a shortage of engineers who have the skills that PTC's customers need, and we are honored to support such an important effort that helps to get the future of America excited about science, technology, engineering and math," said Ralph K. Coppola, Director, Real World Design Challenge and Director, Government & Strategic Education Programs, PTC. "We are working to replenish the engineering workforce by getting more students introduced to the design process and innovation, which is driving more interest in engineering degrees and subsequent careers in the field."

"The Real World Design Challenge is helping students develop 21st century skills that are needed by the US to address workforce requirements for both national security and global economic competitiveness," said Dr. Richard R. Antcliff, Chief Technologist, Langley Research Center, National Aeronautics and Space Administration. "Working in tandem with our partners, we are helping to develop tomorrow's pioneers, who are needed to fuel the future innovation of our economy."

In addition to PTC, other partner organizations contributed resources to make the Challenge free to all students including Cessna Aircraft Company, Federal Aviation Administration and Mentor Graphics. Governors from twenty-five states also partnered in 2009/2010 and made the Challenge the "Governor's Challenge" at the state level competition.

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### ***Right Hemisphere Names Former Ariba Executive to Head of Sales, Also Nabs "Global Sales Team of the Year" Award***

23 March 2010

[Right Hemisphere](#)® announced the appointment of Dan Dapper to vice president of sales and business development. Dapper assumes the helm of a sales organization recently honored with a 2010 Stevie® Award for Global Sales Team of the Year. In his new role, Dapper is charged with determining Right Hemisphere's sales strategy; growing and managing its global sales organization; and developing new and existing business partnerships. Todd Caponi, who managed sales previously, will assume the role of vice president of field operations, leveraging his prior experience in sales training and development to support the company's sales enablement programs and processes.

"We believe we have a considerable market opportunity for our solutions," said Michael Lynch, CEO at Right Hemisphere. "Our focus now is to make the most of that opportunity and expand the company in an orderly and profitable way starting with the expansion of the executive team. Dan is experienced at successfully managing growth and building strong teams. We're very pleased to have him as we take Right Hemisphere to the next level."

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Dapper brings over 27 years of outstanding sales and executive management experience to Right Hemisphere. He has held management positions with Aravo Solutions, Ariba Corporation, Vignette Corporation and Parametric Technology Corporation, and received his bachelor's degree from Seattle Pacific University.

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## ***Siemens PLM Software Supports Research in the Field of Seismic Risk Through In-Kind Grant to EUCENTRE***

23 March 2010

[Siemens PLM Software](#) announced an in-kind software grant, with a commercial value of nearly €28.000, to support EUCENTRE's research program devoted to the reduction of seismic risk around the world.

EUCENTRE (European Center for Training and Research in Earthquake Engineering) uses Siemens PLM Software's solutions for modeling and analysis, aiming to define the seismic behavior of single structures, and to validate simplified models for evaluation of large scale seismic risk. Through EUCENTRE's use of Siemens PLM Software's technology, significant scientific progress is possible in the fields of seismic engineering and seismology, which in turn provides a concrete basis for the development of emergency plans and the improvement of intervention strategies and policies.

“EUCENTRE has a fundamental role in coordinating project C.A.S.E. (Complessi Antisismici Sostenibili Ecocompatibili), for the construction of 180 seismically isolated buildings, using more than 7,000 isolation bearings, after the earthquake at L'Aquila,” said Barbara Borzi, Head of the Seismic Risk Section at Eucentre. Experimentation and numerical analysis are carried out at the research center in order to both investigate and implement methodologies and innovative techniques for seismic assessment, and improve seismic design criteria. EUCENTRE has an extremely advanced laboratory, Laboratory for Training and Research in Earthquake Engineering and Seismology (TREES-Lab), which features experimental facilities such as a high performance shaking table for dynamic tests and the strong floor-reaction wall system (12 m high walls) for pseudo-static and pseudo-dynamic tests on test specimens or full scale structures.

Borzi added, “Thanks to the advanced functionalities of Siemens PLM Software's solutions, we can build the finite element model more efficiently than with other software, meaning with reduced efforts and improved results. The software's ability to interface with different solvers, allows us to manage different kinds of non-linear analysis within the same instrument: an important added value for our activity.”

“Siemens PLM Software develops and nurtures partnerships that provide significant value for academic institutions, youth/displaced workers development programs, Regional Productivity Partnerships, Partners for the Advancement of Collaborative Engineering Education (PACE) and our global communities,” said Hulas King, director of Siemens PLM Software's GO PLM & Global Community Relations. “We partner with academic institutions to increase the skills of the work force, introduce the most advanced technologies and improve PLM processes. We are proud to team with Eucentre's strong leaders and University of Pavia's gifted students to reduce seismic risk on a global basis.”

### **About Eucentre**

Launched by the Department of Civil Protection, the National Institute of Geophysics and Vulcanology, The

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University of Pavia and the Istituto Universitario di Studi Superiori di Pavia, EUCENTRE™ (European Center for Training and Research in Earthquake Engineering) is a nonprofit Foundation and focuses on seismic engineering, seismology, geology and geotechnics with the aim of promoting, sustaining and overseeing training and research in the field of the reduction of seismic risk. EUCENTRE carries out scientific and technical consultancy at a national and international level, related to the evaluation and retrofit of existing structures as well as the design of new structures, even in emergency situations.

## **GO PLM Program**

Siemens PLM Software's GO PLM™ initiative leads the industry in the commercial value of the in-kind grants it provides and brings together four complementary community involvement programs focused on academic partnership, regional productivity, youth and displaced worker development and the PACE (Partners for the Advancement of Collaborative Engineering Education) program. GO PLM provides PLM technology to more than one million students annually at nearly 10,500 global institutions, where it is used at every academic level – from grade schools to graduate engineering research programs. For more information on GO PLM and the partners and programs it supports visit [www.siemens.com/partners/goplms](http://www.siemens.com/partners/goplms)

## ***US Data Management and Domain Systems Partner to provide Agile PLM Products and Services to the Life Science Industry***

23 March 2010

[Domain Systems, Inc.](http://www.domain-systems.com) and US Data Management, a leading system compliance consulting firm, announced they will partner to provide complementary products and services to the Life Science Industry.

Agile PLM Medical Device customers have selected Domain and US Data Management over other Agile SI's and Validation Partners based on the solid reputation for quality implementations, industry knowledge, and outstanding customer satisfaction. In teaming, these two companies offer a one stop inclusive service offering.

“Domain has added 4 Medical Device Customers in just the past month. It is an industry that continues to be strong for us; with prospects that seek us out. With US Data Management, Agile Customers have two knowledge leaders coming together which allow them to obtain the most from their investment while getting products safely and quickly to market.” – Randy Pettit, President, Domain Systems, Inc.

”In today's economic conditions, Life Science companies are looking to accelerate software deployment time while decreasing software validation costs to bring products safely out to market. Teaming with experienced systems integrator like Domain facilitates delivery of a more harmonized approach with software implementation. This synergistic service offering will enable customers to achieve and maintain FDA part 11 compliance and improve software ROI. Both Domain and US Data Management will leverage each other's accelerator programs applied with GAMP5 and other good practice implementation and validation methodologies to minimize project time and costs.” – Kim Hutchings, VP of Alliances, US Data Management.

## **About US Data Management**

US Data Management (USDMA) is a leading global regulatory consulting firm providing compliance, validation, qualification, quality, auditing and information technology services to our clients in the Medical Device, Biotechnology, Biologics, Diagnostics and Pharmaceutical industries. USDMA has more than 10 years of experience supplying our clients in the life science industry with compliance services

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during each phase of their drug and product development cycle. USDM partners with best of breed organizations like Oracle to help companies simplify, unify and optimize their business and compliance objectives.

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## ***Visual 2000 Partners with Fashion Industry Veteran Facenda to Expand to Western U.S.***

22 March 2010

Visual 2000 International Inc. announced that it has established a strategic partnership with fashion industry veteran Joe Facenda to bring its PLM, ERP, supply chain management and other integrated software solutions to the AFA industry ( apparel, footwear, and accessories) in the Western United States.

The partnership makes it possible for Mr. Facenda and his team to market, implement, and support the company's VisualPLM.net™ product lifecycle management (PLM), enterprise resource planning (ERP), VisualSCM.net supply chain management, and other industry-specific solutions in California and surrounding states.

"We are pleased to have such a knowledgeable and reputable individual as Mr. Facenda to lead our expansion into the Western U.S.," noted Charles Benoualid, Vice President of Research and Development at Visual 2000. "His industry consulting and technology expertise will enable us to meet fast growing demand for our comprehensive and cost-effective solutions in this important fashion market. The addition of this west coast office is part of our global business expansion initiative for 2010."

Based in Los Angeles, Mr. Facenda brings a wealth of fashion industry expertise to existing and prospective Visual 2000 clients in the region. After a flying career with the U.S. Air Force, he served in a variety of management positions with Kurt Salmon Associates (KSA), Essentus (now Jesta I.S.), and SAP reseller Metamor (now Ciber). Facenda most recently served as Vice President of Sales for global trade and supply chain management company TradeCard, Inc. Facenda is also a founding member and former chair of the AAFA Supply Chain Leadership Committee and former director of SEAMS.

### **About Visual 2000 International**

Visual 2000 International Inc develops and markets End-2-End software solutions to the Apparel, Footwear and Accessories (AFA) industry. The company develops and markets integrated End-2-End software solutions including VisualPLM.net™ product lifecycle management (PLM), VisualSCM.net supply chain management (SCM), enterprise resource planning (ERP), VisualWMS.net warehouse management system, VisualPLANNING business intelligence, VisualEDI.net electronic data interchange, and VisualSFA.net sales force automation software solutions. Visual 2000 products leverage leading-edge Microsoft® technologies such as SQL Server®, .NET framework, and Silverlight™ development platform. Headquartered in Montreal, Visual 2000 maintains offices and distribution channels in Toronto, Vancouver, New York, Los Angeles, Mexico, Europe, China and Hong-Kong. For more information, visit <http://www.visual-2000.com>

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## Events News

### ***Boeing Keynote and North American Aerospace Manufacturers to Discuss Latest Simulation Trends at Altair's HyperWorks Technology Conference***

22 March 2010

More than 600 professionals are expected to gather at Altair Engineering's 2010 Americas HyperWorks Technology Conference (HTC2010). Boeing's 787 Deputy Chief Structures Engineer, David Trop, will keynote day two of the three-day event to be held April 27-29 at the Rock Financial Showplace in Novi, Mich. Trop's keynote will address simulation's supporting role on the 787 Dreamliner and derivative programs.

"We look forward to hearing from Mr. Trop and other aerospace leaders at HTC2010 as they discuss new design challenges the industry faces, and how simulation plays an increasingly important role," said Dr. Robert Yancey, Altair executive director of Global Aerospace. "Altair is firmly committed to continuing delivery of leading-edge technology through HyperWorks and the expertise of our global consulting services practice to aid manufacturers in designing lighter aerospace systems that operate more efficiently."

In addition to Trop's keynote address, several leaders from the North American aerospace community will be in attendance. HTC2010 will include presentations by Airborne Systems, Boeing Military Aircraft, GE Aviation, NASA and Sikorsky.

"We see a rapid adoption of optimization strategies and technologies in the aerospace community to meet performance and aggressive weight reduction initiatives," said Yancey. "Used early in the design process, optimization can have significant and far reaching benefits including increased payload carrying capacity, reduced fuel consumption and lower environmental impact over the service life of the aircraft."

HTC2010 will also feature several other renowned keynote speakers – from Ford, Porsche, BAE Systems, the National Center for Manufacturing Sciences (NCMS) and NASA Engineering and Safety Center (NESC) – as well as 40 presentations where technology thought leaders will discuss industry trends in enterprise simulation and how manufacturers are enabling innovation through simulation.

HTC is Altair's premier annual event and is free for all attendees. The conference will offer sessions on advancements in the areas of simulation-driven design practices, design optimization, data management, process automation, cloud computing and decision support systems. Attendees also will have access to an extensive hardware and software exhibition.

For more information and to register, visit <http://www.altairhtc.com/na/>. Connect with HyperWorks on Twitter ([www.twitter.com/HyperWorks\\_Corp](http://www.twitter.com/HyperWorks_Corp)), Facebook ([www.facebook.com/HyperWorks](http://www.facebook.com/HyperWorks)) and LinkedIn ([www.linkedin.com/groups?gid=2052943](http://www.linkedin.com/groups?gid=2052943)) for HTC2010 updates and information.

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### ***Call for Speakers MESA 2010 North American Conference June 21-23, 2010***

March 2010

MESA International announces call for speakers for its 2010 North American Conference, "Unlocking your Operations Potential", in Dearborn Michigan June 21-23.

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## *Call for Speakers*

### **Abstract Deadline: Monday, April 12, 2010**

Share your knowledge and best practices by speaking at the MESA International 2010 North American Conference *Unlocking Your Operations Potential*.

MESA is looking for the best, most quantifiable case studies and real world presentations on the following topics:

Tying Operational Metrics to Financial Metrics

Real-Time Enterprise

Quality & Compliance

Asset Performance Management (APM)

Product Lifecycle Management (PLM)

Lean

Sustainability

The MESA community would like to learn from your experiences. Submit an abstract for a presentation that:

Focuses on how your operations management / plant-wide IT systems support implementation of one or more key initiatives. Subject matter may range from planning and implementation to challenges and results.

Features Manufacturer/Producer presenters or a joint presentation between a Vendor & Manufacturer / Producer.

Have we missed something? Do you have another topic relevant to industrial companies that isn't listed here - interoperability, SOA in Manufacturing, Industrial BPM, or others? If so, please submit the topic for consideration. MESA is working to facilitate knowledge-sharing on as many of the right topics as possible and we are open to ideas.

Click [here](#) to submit an abstract

### **DEADLINE: MONDAY, APRIL 12.**

Please include:

Presentation Title

Speaker's Name(s) - with company name, job title, email address, phone number

150 word Speaker's Biography

200 word or less abstract - include proposed theme

Click [here](#) to submit an abstract

Questions? Contact MESA HQ at +1 (480) 893-6883 or via [conference@mesa.org](mailto:conference@mesa.org).

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## *Delcam to Launch New Tooling Design Software at Amerimold*

23 March 2010

Delcam will launch the 2010 release of its Delcam Toolmaker tooling design software, which incorporates a new solid modelling kernel, on booth 623 at the PDX/Amerimold exhibition to be held in Cincinnati from 11th to 13th May. The integration of the new kernel reinforces the solid modelling and assembly modelling capabilities of the software, and so complements the surface modelling capabilities developed by Delcam over more than 30 years. The combination of the two technologies provides a range of benefits for toolmakers, especially those that use imported product design data from other CAD systems as the basis for their tooling designs.

Users will be able to tackle all the common problems that can be found when translating low precision and incomplete data, including gaps and overlaps between surfaces, or duplicated and missing surfaces, and generate a valid, high-precision CAD model. This process uses the automatic data repair tools that are provided within the software, together with powerful surface creation and editing options. This combination means that simple repairs can be carried out quickly and easily, while more complex problems can be overcome by deleting and replacing the existing surfaces within the model.

[Delcam](#) Toolmaker also includes a wide range of analysis tools to check the manufacturability of the design. These include curvature analysis to check that fillet radii are large enough to allow easy material flow in the tool, draft angle analysis to ensure that parts can be removed successfully or to identify where slides will be needed, and model thickness analysis to help in selection of gating positions and in highlighting potential sink-mark problems.

The addition of the new kernel will also enhance Delcam's Power Features technology. Components that contain Power Features react automatically as they are placed within the tool assembly, adding all the necessary fit-features to the connecting components. As each part is added, the tolerances between the various components are also defined automatically. This automatic creation of relationships makes the development of the overall design much quicker and also makes errors in the design process far less likely.

Of course, Power Features maintain relationships in a similar way to parametric objects in other CAD systems so that, for example, if an ejector pin moves, all the associated holes move with it. However, the degree of associativity is more flexible, such that all component dimensions, tolerances and positions can be modified either individually, as part of a group of similar components, or by using a global edit for multiple groups of components.

The new release of Delcam Toolmaker also speeds up and simplifies the development of more complex tooling assemblies. It is much easier to create solid models of any non-standard components and to define their relationships with the other components. The software will highlight suitable attachment points under the cursor. The user simply clicks the attachment points on a pair of components and they will move into position. A second click will preserve the relationship or another attachment point can be selected for an alternative relationship.

Furthermore, all identical parts within an assembly are recognised automatically as instances of the same component so preventing unnecessary duplication of data. This reduces overall model sizes and makes regeneration of the complete tool much faster after any design changes.

As well as including a wide range of standard catalogues, Delcam has made it easier for users to create and manage their own catalogues. Users can now both save custom dimensions for non-standard parts

and add components that they have modelled themselves, or that they have downloaded, to custom catalogues.

Delcam Toolmaker incorporates automated methods to generate the General Assembly and all the component drawings required for manufacturing and inspection. In the 2010 release, hidden-line removal has been made faster and more reliable, while the time needed to produce a complete set of drawings for even a complex mould should now be no longer than a day. This compares with the two or three weeks that are typically needed with traditional drawing methods.

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## ***Delcam to Show Dental CAD/CAM in China***

22 March 2010

[Delcam](#) will demonstrate its full range of CAD/CAM software for the dental industry in China at the South China Dental Exhibition to be held in Guangzhou from March 29th to April 1st. The latest versions of the DentCAD dental design software and the DentMILL dental machining system will be on display, together with the PartMaker CAM software for the manufacture of dental screws and instruments.

The 2010 version of DentCAD includes a completely new interface, an integrated data management module, an expanded library of standard tooth designs and improved STL file output for rapid prototyping equipment, as well as a number of enhancements to the design options, while the new DentMILL has additional five-axis machining options.

The improved DentCAD interface features a reduced number of toolbars to allow the maximum screen space for design, while the icons have been made bolder and clearer. Even dental technicians with limited experience of computer-aided design will find the software easy to learn and to use.

The new data management module makes it easier to record the details of the patient and dentist, and the restoration and material type etc. It enables a smooth process flow between the scanner used to collect the initial data, DentCAD and DentMILL.

Among the design enhancements is the automatic creation of a prep-line as soon as the restoration design is started in DentCAD. The prep-line is the most critical area of the design as it marks the border between the tooth and the gum, and so determines the accuracy of the fit of the restoration. The automatically-generated line can be edited by the user if required.

The extra five-axis machining options in DentMILL will make it easier to program the manufacture of dental bars, implant bridges and customised abutments. In addition, the previous options for the production of copings, bridges and abutments in ceramics and titanium have been enhanced. In particular, the ability to use multithreading technology has reduced calculation times for users with multi-processor computers.

As well as broadening the range of dental restorations that can be produced, the use of five-axis machining helps to reduce material wastage, minimise hand-finishing operations by removing undercut regions, and give more flexibility when machining difficult parts and materials such as hard-state Zirconia.

PartMaker is Delcam's dedicated machining software for the programming of turn-mill equipment and Swiss-type lathes. Using PartMaker rather than manual programming helps to reduce set-up times, while

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the unique synchronisation options keep cycle times to a minimum. The machines are used extensively in the dental and medical industries for the manufacture of items including dental screws, prosthesis and operating equipment.

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### ***ESPRIT 2010, by DP Technology, at the 13th Annual ESAFORM Conference on Material Forming, Brescia, Italy, April 7-9***

22 March 2010

[DP Technology](#), creator of ESPRIT®, will exhibit ESPRIT 2010, the latest version of its software, at the 13th Annual ESAFORM Conference on Material Forming April 7-9 at the University of Brescia in Brescia, Italy.

Hosted annually in different European destinations, ESAFORM comprehensively addresses several metal-forming mediums — including metals, polymers, ceramics, composites and biomaterials — in addition to processes new and traditional.

Visitors to the ESPRIT exhibit will meet DP representatives available to discuss vital upgrades in ESPRIT 2010 and perform demonstrations of how to make those upgrades work for you.

Among its improvements, ESPRIT 2010 offers upgrades in the support of integrated multi-tasking, mill-turn machine tools. All ESPRIT milling and turning machining capability, from 2-axis turning to 5-axis milling, is available for any type of mill-turn machine tool, including lathes that perform milling, mills that perform turning, Swiss-style machines and other “integrated mill-turn machining centers.” In the 2010 release, support for these multi-tasking machine tools has been enhanced through increased flexibility in cutting tool configurations and orientations, enabling the support of a wide variety of machines. The newly added support for additional rotary axes, three or more, allows the ESPRIT customer to completely program and simulate the most complex and sophisticated machine tools currently available on the market.

For the ESPRIT wire-EDM customer, the 2010 version includes support for EDM machines with rotary axes. This allows EDM programmers to perform wire-EDM cutting in 5- and 6-axis using turn-and-burn (indexing the rotary table), and turn-while-burn full 5-axis simultaneous cutting with a rotary table. This new version also provides EDM programming with an innovative new 4-axis pocketing, no-core cutting, machining cycle.

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### ***FIATECH Conference to Show How AVEVA NET has Revolutionized Project Lifecycle and Data Management***

24 March 2010

AVEVA Group plc will demonstrate its AVEVA NET lifecycle management solution at FIATECH's Technology Conference & Showcase 2010. The 10th annual conference will take place from March 29 - 31 at the University of Texas at Austin's AT&T Executive Education & Conference Center in Austin.

AVEVA NET provides an ISO15926-compliant information management hub to control, link, evaluate and deliver all types of data, regardless of the application and format. AVEVA is one of the world's leading engineering software providers, whose vision and commitment has redefined the plant, power

# CIMdata PLM Industry Summary

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and marine industries. The company is an active member and supporter of FIATECH.

As part of the conference, Woodside, one of Australia's largest oil and gas E&P companies, will exhibit their Engineering Data Management roadmap and highlight their successful integration of AVEVA NET into their daily operations and maintenance activities. Please join Aveva at the Woodside case study presentation on Monday afternoon during Track 1: Emerging and Market-ready Solutions for Interoperability.

FIATECH brings together more than 250 technology decision-makers in the capital projects industry. AVEVA is honored to celebrate the consortium's 10th anniversary with other industry leaders who want to identify and accelerate the development of integrated and automated technologies.

"FIATECH represents a tremendous opportunity to show how AVEVA NET's robust information management capabilities can transform project management and boost asset values for EPCs and Owner Operators," said William Muldoon, AVEVA Inc. Executive Vice President. "Attendees will be able to hear directly from a satisfied Owner Operator how this solution has made their operations more efficient and given them significant value."

Woodside's success with AVEVA NET mirrors the conference theme of Enhancing Capital Asset Value through Leading Technologies and Delivery Processes, added Ric Jackson, Director of FIATECH. "This case study demonstrates the power and value of Owner Operators and contractors working daily with cutting edge technologies and streamlining processes to improve their business," Jackson said.

AVEVA will also host the CETI (Celebration of Engineering & Technology Innovation) Award Gala on Tuesday, March 30, at the conference center. Please visit AVEVA at Booth #1 & 2 during the event to learn more about our software solutions.

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## ***KRONTIME Launches Unique Digital Manufacturing Solutions at Industrie 2010***

24 March 2010

For its first presentation, during the French exhibition of production equipment "Industrie 2010", the start-up KRONTIME is launching a set of new software tools for Manufacturing Engineers. "The different offers on the Digital Manufacturing market, at the moment, are based on 3D numerical data and deal with only a part of the manufacturing engineering problems in the middle size European companies" explained Jordi Portella, co-founder of KRONTIME. "The major problem with all these solutions is their complexity and the cost of implementation".

Digital Manufacturing groups together a family of software and working methods for designing, simulating, optimising and putting the production process in order. It controls all the information needed for preparing jobs in the workshops and is included in the Product LifeCycle Management programme (managing all the information during the life span of the product). It facilitates the control and management of process data in conjunction with the product evolution and revision (design data in digital form).

### **Several software modules easy to use and built around a unique data base**

[KRONTIME](#) software brings together all the information needed by production engineers, what we call Digital Engineering data. All the information needed by the Production Engineering department is collected including description of operations, work instructions, documentation files, assembly files,

# CIMdata PLM Industry Summary

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calculations of time based on standards, management of resources (machines-tools, tools and fixtures, , measuring instruments...), balance of lines, ergonomic checking, safety, analysis of critical points of quality, cost and performance repartition, up-date of operations... by way of presentation screens customised for each function in the company.

"This information, very often disseminated in the company, was essentially built on software such as Excel or "in-house" programmes. Up to now, these solutions have had the great disadvantage of not being built around a unique data base. The result was that, in the past, history of companies was not stored and therefore was not re-usable".

## **A quick return on investment**

With the graphic design of production lines, tools for time measurement, calculation and analysis software and a unique data base, KRONTIME Digital Manufacturing is very useful for day-to-day efficiency and is particularly suitable in continually improving organisations such as Lean Manufacturing, Total Productive Maintenance, Total Quality Management...now in progress in a growing number of enterprises.

By using the historical information of the company, manufacturing engineers are now able to reproduce an assembly station or a production line on a different production site, in order to review a continuous improvement action or to study the ergonomic design of a workplace in more detail. "All these data are now available to each manufacturing engineer in the company".

Another important advantage is the use of a very pragmatic process which gives a very fast implementation time of one or two weeks. This quality gives a very quick return of investment : "In most cases, return on investment is calculated over several months" concluded Jordi Portella. "Rarely are the ones which need more than a year".

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## ***Sescoi Becomes a SolidWorks® Solution Provider***

22 March 2010

Sescoi has taken the opportunity of "Industrie", Europe's top industrial manufacturing show taking place in Paris this week, to announce that it has become a [SolidWorks](#) Solution Provider with its WorkNC® 3-5 axis automated CAD/CAM system.

"Engineers don't have time to worry about software complexity or the problem of integrating data between separate applications" said Nick Iwaskow, SolidWorks Manager, Alliances. The WorkNC 3-5 axis automated CAD/CAM system allows users to quickly and accurately read native SolidWorks files and program machining toolpaths in a few mouse clicks.

As WorkNC is gaining more and more customers from an increasing diverse range of industries such as medical, energy, and consumer electronics, SESCOI sees this interoperability with SolidWorks as critically important.

Being previewed at the Paris Industrie show this week, WorkNC Version 21 with 64-bit processing will enable the greater memory available in the latest hardware to be fully harnessed, while the multi-threading and multi-processing of tasks will enable several algorithms to run in parallel. For large SolidWorks and other CAD models, this extra processing power means that calculations could run up to 10 times faster, particularly on roughing operations.

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SolidWorks 2010 is focused on optimizing core design functions so users can more quickly and intelligently achieve their goals. It also includes hundreds of new enhancements specifically requested by customers. The new version of SolidWorks improves designers' and engineers' productivity with new capabilities like rapid dimensions, enhanced mirrored components, and heads-up mouse gesturing. These capabilities let designers and engineers work smarter and faster while minimizing menu navigation.

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## ***Siemens PLM Software Helps Shape the Future of Mobility at VDA Technical Congress***

24 March 2010

Dr. Helmuth Ludwig, president of [Siemens PLM Software](#) discussed, at the Verband der Automobilindustrie (VDA) Technical Congress, how the challenges presented by global megatrends will reinvent mobility.

“Urbanization, demographic shift, climate change and globalization are shaping our future, and the challenges each presents will reinvent mobility,” said Ludwig. “The key for any automaker is to find the right balance between environmental, economic and social concerns, while developing a vehicle people want to drive.”

Global automakers continue to improve efficiency of both gasoline and diesel vehicles and use intelligent features that integrate mechanical functions with electronic controls driven by software to enhance vehicle features. However, research predicts the decrease of the conventional car to begin between 2017 and 2018 at the same time a strong increase of hybrid and electric vehicles begins. Siemens PLM Software provides software solutions to help the automotive industry improve today's vehicles as well as evolve to deliver the vehicles of the future including hybrid and electric vehicles.

According to Ludwig, there are a number of factors that are important to delivering this future of mobility including electric generation and grids improvements, mobility management systems, energy efficient production and lifecycle management. The automotive and energy industries will collaborate on these technologies to develop mobility solutions that enable the mass production and acceptance of the electric vehicle.

“To successfully develop a vehicle while managing its environmental impact and sustainability, automakers must make many decisions throughout the product development process, from the materials used to how the vehicle will be assembled and serviced. Siemens PLM Software enables the automaker to quickly understand the true impact, implications and tradeoffs of any one decision, and manufacture a vehicle that meets environmental requirements while performing to the customer's need independent of the propulsion system,” said Ludwig.

Siemens PLM Software's technology is used by automakers and suppliers to collaborate, plan, design and validate the development and manufacturing engineering of vehicles. The software enables shorter product lifecycles, a higher number of variants and flexible production, which allows for a fast reaction to new market demands. From designing safe materials and efficient resource use, to complying with regulations and standards, Siemens PLM Software solutions make it all possible while managing requirements for environmental impact and sustainability.

The VDA's 12th Technical Congress is March 24-25 in Ludwigsburg, at the Forum am Schlosspark. In addition to lectures and sessions, there also is an exhibition showcasing the latest safety and exhaust

emissions systems and vehicles featuring electric powertrains, ranging from passenger cars to trucks and buses.

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## ***solidThinking to Address Impact of Modeling and Rendering Technologies on Product Design at 2010 IDSA District Conferences***

25 March 2010

[solidThinking, Inc.](#) will demonstrate key functionalities from its upcoming 2010 product releases at the Industrial Designers Society of America's (IDSA) district conferences April 9-May 2, 2010. As part of this nationwide conference tour, the company will offer personalized previews of its concept design and styling software, solidThinking and solidThinking Inspired, and show some of the key product advancements developed based on user feedback and to enhance the overall creative process for the ID community.

James Dagg, solidThinking's vice president of software development, will kick off the company's IDSA tour with a presentation at the Southern District Conference on April 9. His presentation will focus on ways that industrial designers can leverage advancements in concept design software to enhance the entire product development cycle, including finding pathways to winning designs earlier in the process; improving collaboration between industrial design and engineering; considering efficient forms early in the concept phase; and effectively visualizing and validating design concepts.

Some key new features that solidThinking will highlight at the conferences include:

- A new "round" tool that uses leading-edge technology to help significantly increase user productivity.
- Improved workflow allowing faster operations and introducing new shortcuts.
- New selection and visualization aids in the scene browser.
- Enhanced real-time rendering quality with anti-aliasing control.
- A plug-in for Maxwell Render 2.0.

"We are working constantly to provide users with the design environment and tools that invite and encourage creative exploration," said Alex Mazzardo, solidThinking's vice president of product strategy and marketing. "IDSA's district conferences provide the ideal setting for us to share a sneak peek of our latest product developments tailored to address the needs of the design community. User feedback played a significant role in our upcoming new releases, and we are looking forward to collaborating and sharing some of our insights with students and the ID community's future leaders. Collaboration helps us make products that work for our users, ultimately helping facilitate their creativity."

solidThinking is a NURBS-based surface and solid modeler. The 3D conceptual design software aims to encourage innovation through a number of user-centric features, such as a highly intuitive user interface; a best-in-class ConstructionTree(TM) technology that allows designers to experiment in real time without having to start from scratch when they change their minds; and high-quality real-time photorealistic imaging capabilities that allow designers to transform 3D models into realistic design visualizations.

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solidThinking recently introduced morphogenesis(TM) to the design community. Morphogenesis is a technology that draws on the principles of bio-mimicry to allow designers and architects to experiment with form generation during the design process. It is a key feature offered in the initial release of solidThinking 8.0 Inspired. It mimics natural processes and physical laws of nature to help designers and architects generate forms and structures in response to environmental conditions, and to help them leverage the results to develop and enhance their designs.

Offering design flexibility for its users, all solidThinking software is available for both Windows and Mac operating systems. It is compatible with leading design manufacturing and engineering software, encouraging improved CAD collaboration and productivity between industrial designers and engineers during the product development cycle.

Five separate IDSA district conferences are held regionally:

## **Southern District Conference**

Mass Reduction: The Economy of Design

Charlotte, NC, April 9-11

## **Northeast District Conference**

CoCreate

Union, NJ, April 16-17

## **Midwest District Conference**

Using Story to Design Products and Experiences

Milwaukee, April 16-18

## **Western District Conference**

Make a Scene!

Denver, April 23-25

## **Mideast District Conference**

Faces of Design

Grand Rapids, Mich., April 30-May 2

For more information on each conference, visit: <http://www.idsa.org/absolutenm/templates/?a=114>.

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## ***VISTAGY's Transformative Role in Rapidly Evolving Composites Market to be Highlighted at JEC Show***

23 March 2010

[VISTAGY, Inc.](#) will be exhibiting at the JEC Composites Show 2010 at Stand #T45. The event runs from April 13-15 at the Paris Expo, Porte de Versailles, Hall 1 in Paris, France.

As more industries have adopted composites and the range of materials and processes have greatly expanded, the design and manufacturing challenges have become far more complicated and industry-

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specific. Manufacturers that use a substantial amount of composites wrestle every day with how they can optimize part performance, reduce product development cycles and stay within budget.

JEC show attendees will learn how upcoming innovations to VISTAGY's FiberSIM® composites engineering software will provide effective solutions to these challenges and transform how aerospace, automotive, space, wind energy, marine and jet engine manufacturers engineer their products.

New advancements include support of:

- \* New materials, such as non-crimped fibers and multi-layer laminates, as well as new process solutions for forming and other automated manufacturing processes, such as fiber placement.
- \* Rapid design changes, which enable engineers to efficiently conduct trade studies and evaluate design alternatives based on metrics, such as weight.
- \* An improved link between analysis and design, which enables engineers to make more design iterations more quickly, resulting in optimized parts.
- \* Communication of best practices and design standards throughout an organization and its supply chain so engineers can produce more consistent, easily repeatable parts and products.

Other highlights at the VISTAGY stand include daily presentations delivered by Renault F1 Team senior CAE engineer, Ian Goddard, entitled: Improving Composites Engineering Processes at Renault F1 Team. Mr. Goddard will discuss how his organization has transformed its composites engineering processes by using VISTAGY software and professional services. His presentation will take place on the following days and times:

Tuesday, April 13th: 14:00

Wednesday, April 14th: 11:00 & 14:00

Thursday, April 15th: 11:00

Also at the show, Dr. Olivier Guillermin, VISTAGY director of product and market strategy, will deliver a presentation entitled: Managing the Complexities of Composite Aircraft Assemblies on Wednesday, April 14th from 14:30 - 17:00 as part of the JEC Composites Simulation Conference. Dr. Guillermin will be discussing the key elements necessary to successfully handle the huge volumes of highly interdependent design data within composite aircraft assemblies.

Show attendees are invited to visit the VISTAGY Stand (#T45) and take part in the VISTAGY Roadmap to Composites Engineering Success Program to learn how the company is working with a variety of industry-leading technology and equipment suppliers to offer comprehensive, open and flexible solutions for composites analysis, design, manufacturing, assembly and quality planning.

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## Financial News

### ***Nemetschek Increases Profit and Plans Dividend***

24 March 2010

Nemetschek AG published its annual report for 2009 today. As was announced with the provisional figures, revenues in 2009 dropped by 9.8 percent from 150.4 million euros to 135.6 million euros.

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Revenues from software service contracts increased by 5 percent to 62.0 million euros; at 64.3 million euros, however, revenues from license sales remained at 20 percent below the preceding year's level. While revenues increased by around 1.5 percent in Germany, they dropped by around 17 percent to 77.3 million euros abroad.

Despite the drop in revenue, the group posted earnings of 30.4 million euros before interest, tax, depreciation and amortization (EBITDA), which is only marginally less than the previous year's level of 31.4 million euros. Nemetschek AG thus increased its EBITDA margin to 22 percent, up from 20.9 percent in 2008. At 20.9 million euros, the group's earnings before interest and taxes (EBIT) were virtually the same as in the previous year (21 million euros). As a result of fewer interest expenses, the net income (consolidated shares) rose from 10.4 million euros to 12.2 million euros.

The cash flow for the period amounted to 28.6 million euros after 29.9 million euros in 2008. The cash flow from operating activities dropped from 30.4 million euros to 23.5 million euros due to the successful reduction in liabilities. The cash flow from investment activities amounted to 3.6 million euros after 4.7 million euros in the previous year. Nemetschek's free cash flow in 2009 thus amounted to 19.8 million euros (previous year 25.7 million euros).

The cash stock amounted to 22.9 million euros, whereby the group's net debt was reduced to 9.3 million euros (previous year 26.1 million euros). In 2009 the equity capital increased from 67.9 million euros to 79.6 million euros. The equity ratio increased accordingly from 40.6 to 49.9 percent in 2009.

## **Resumption of dividend payout**

"In 2009 we proved that Nemetschek is a crisis-resistant company that is capable of generating profits and maintaining sustaining economic activity even in the most adverse conditions", commented Ernst Homolka, member of the managing board and CEO, Nemetschek AG, referring to the 2009 annual report. He pointed out how investments in research and development had even increased slightly in 2009 (by 0.5 million euros to 33.6 million euros) and amounted to almost 25 percent of revenues.

The earnings per share were 1.27 euros, compared to 1.08 euros in the previous year. Due to the good result, at the annual general meeting the managing board and supervisory board will propose paying out around 4.8 million euros from the balance sheet profit of 13.8 million euros to shareholders. This is equivalent to a dividend of 0.50 euros per share. Based on the final share price in 2009 it is equivalent to a dividend yield of 3.1 percent.

"With an equity ratio of 50 percent and net debt in the single-digit millions, we can safely count ourselves among the German dividend shares", said Homolka.

## **Profitable business units**

The four business units under the Nemetschek AG roof offer end-to-end solutions for the entire value-added process – from the planning and design of a building and its visualization to the actual construction process and the use of the building. With revenues of 109.5 million euros, the Design business unit, which encompasses the software solutions of the portfolio companies with a focus on architecture and civil engineering, represented the bulk of the group's revenues (previous year 124.3 million euros). The segment's EBITDA amounted to 22.0 million euros after 24.3 million euros in 2008.

The second largest business unit of Nemetschek AG, the Build segment, encompasses the alphanumeric software products that accompany the actual construction process. Sales revenues in this unit increased to 14.0 million euros (previous year 12.9 million euros) thanks to strong project business toward the end of the year. The EBITDA increased from 3.5 million euros to 5.4 million euros.

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With sales revenues of 4.0 million euros (previous year 4.2 million euros) and an EBITDA of 0.7 million euros (previous year 0.5 million euros) the Manage business unit with its solutions for real estate management made a positive contribution to the group earnings. The Multimedia segment generated sales revenues of 8.1 million euros (previous year 9.0 million euros). The EBITDA amounted to 2.4 million euros after 3.1 million euros in the previous year.

### **Nemetschek wants to stabilize margin in 2010**

The company expects the revenue level to at least remain stable in 2010. Investment stimuli are still lacking in the commercial and residential construction sectors, but since the economic situation is slowly improving, the group's companies anticipate low single-digit percentage growth.

"This means that in 2010 we should be in a position to at least maintain the current margin level and go ahead with our investment plans at the same time", emphasized Homolka. "Increasing revenues will also be reflected in the operating result." The group is still following a policy of strict cost discipline in all areas. However, Nemetschek will maintain high investments not only in research and development, but also increase its investments in developing its market presence in 2010.

The operating result will continue to lead to a correspondingly high cash flow. Thanks to its high cash flow, Nemetschek managed to repay 67.8 million euros of the bank loan of 100 million euros taken to finance the acquisition of Graphisoft in just three years. In 2010 and 2011 the interest expense will continue to fall and net income will continue to increase as result, said Homolka.

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### ***Oracle Reports GAAP EPS of \$0.23, Non-GAAP EPS of \$0.38; New Software Licenses Up 13%, Applications New Licenses Up 21%***

25 March 2010

Oracle Corporation announced fiscal 2010 Q3 GAAP total revenues were up 17% to \$6.4 billion, while non-GAAP total revenues were up 18% to \$6.5 billion. Excluding the impact of Sun Microsystems, Inc., which Oracle acquired on January 26, 2010, GAAP total revenue grew 7%. GAAP new software license revenues were up 13% to \$1.7 billion, and up 10% to \$1.7 billion excluding Sun. GAAP software license updates and product support revenues were up 13% to \$3.3 billion, while non-GAAP software license updates and product support revenues were up 12% to \$3.3 billion. GAAP operating income was down 5% to \$1.8 billion, and GAAP operating margin was 29%. Non-GAAP operating income was up 13% to \$2.9 billion, and non-GAAP operating margin was 45%. GAAP net income was down 10% to \$1.2 billion, while non-GAAP net income was up 9% to \$1.9 billion. GAAP earnings per share were \$0.23, down 11% compared to last year while non-GAAP earnings per share were up 9% to \$0.38. GAAP operating cash flow on a trailing twelve-month basis was \$8.2 billion.

"Our solid top line growth, coupled with disciplined expense management, was key in generating \$8.0 billion of free cash flow over the last twelve months," said Oracle CFO Jeff Epstein.

"The Sun integration is going even better than we expected," said Oracle President, Safra Catz. "We believe that Sun will make a significant contribution to our fourth quarter earnings per share as well as meet the profitability goals we set for next year."

"Exadata is the fastest growing product in Oracle's history," said Oracle President, Charles Phillips. "Introduced a little over a year ago, the Exadata pipeline is now approaching \$400 million with Q4 bookings forecast at nearly \$100 million. This strengthens both sales growth and profitability in our Sun

server and storage businesses.”

“Every quarter we grab huge chunks of market share from SAP,” said Oracle CEO, Larry Ellison. “SAP’s most recent quarter was the best quarter of their year, only down 15%, while Oracle’s application sales were up 21%. But SAP is well ahead of us in the number of CEOs for this year, announcing their third and fourth, while we only had one.”

In addition, Oracle’s Board of Directors declared a cash dividend of \$0.05 per share of outstanding common stock to be paid to stockholders of record as of the close of business on April 14, 2010, with a payment date of May 5, 2010. Future declarations of quarterly dividends and the establishment of future record and payment dates are subject to the final determination of Oracle’s Board of Directors.

## Q3 Earnings Conference Call and Webcast

Oracle will hold a conference call and web broadcast today to discuss these results at 2:00 p.m. Pacific. You may listen to the call by dialing (800) 214-0694 or (719) 955-1425, Passcode: 567035. To access the live web broadcast of this event, please visit the Oracle Investor Relations website at <http://www.oracle.com/investor>.

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## Implementation Investments

### *AVEVA Enters Iraq Market with SIDCCO Projects*

23 March 2010

AVEVA Group plc announced that State Industrial Design and Consultation Company (SIDCCO), one of the largest EPC contractors in Iraq, has selected AVEVA Plant solutions for their ongoing and future projects in Iraq.

SIDCCO is owned by the Ministry of Industrial and Minerals. As one of the largest EPC contractors in Iraq, SIDCCO offers services ranging from feasibility studies to turnkey constructions. Ministry of Industry and Mineral Companies, Ministry of Oil Companies and Ministry of Electricity are among the biggest clients of the company.

Ali Al-Naama, SIDCCO Director General, comments: "We are impressed by AVEVA Plant's engineering and business benefits, which make it possible to work in the most complex projects by enabling coordination amongst various disciplines in a clash-free environment. We look forward to benefiting from AVEVA solutions for more productivity and site rework reduction. SIDCCO's engineering and design teams are currently having an intensive training to be able to start implementing and using AVEVA's solutions immediately."

Louay Dahmash, Vice President of AVEVA Middle East, comments: "AVEVA has increased its presence in the Middle East despite the economic downturn. We are very excited to be entering such a promising market and being a part of Iraq's reconstruction projects with SIDCCO. I am confident that AVEVA will continue proving itself with its proven and evolving technology in Iraq, which will play a great role for AVEVA's growth in the region."

AVEVA Plant is a set of integrated applications for plant engineering, design and design management providing a risk-free toolset to design, build and revamp plant of any size and complexity.

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## ***Deckers Outdoor Corporation Selects PTC's Windchill PLM Software for Efficient Development and Time-To-Market Advantages***

23 March 2010

[PTC](#) announced that Deckers Outdoor Corporation, has selected PTC® Windchill® Product Lifecycle Management (PLM) software to integrate teams and optimize efficiency by enabling collaboration between merchandising, design, product development and sourcing early in the design process.

While some of the challenges facing the footwear industry are unique, they also encounter a host of other issues common to all manufacturers today, such as cost, time-to-market, and the need to coordinate a global workforce. As Deckers continued to expand globally, the company found itself requiring a system that would comprehensively connect disparate data sources, leading to a more efficient product design and development environment and faster time-to-market. By implementing FlexPLM™, PTC's Windchill-based enterprise PLM solution for the Retail and Consumer industries, the company will realize an important competitive differentiator in the footwear industry by being able provide increased visibility throughout the entire development initiative, beginning with initial design.

"Our main goal in implementing a PLM solution was to enhance efficient development and production processes," said Mark Fegley, senior vice president of supply chain, Deckers. "Having a 'single source of truth' is vital to sustaining and growing our bottom-line. Windchill will deliver that single source platform, and will provide the tools to help ensure on-schedule product launches and drive team productivity. In addition, the inherent OOTB (Out-Of-The-Box) footwear capabilities of the solution allows us to rollout in a simple, straight-forward and time efficient manner."

"PTC recognizes that enhancing visibility and productivity is critically important in the footwear industry," said Kathleen Mitford, vice president of product market & strategy, PTC. "We are excited to work with Deckers to leverage our experience and knowledge of the complex and highly competitive footwear industry to deliver the increased efficiency and process optimization that will allow them to unite teams and increase global collaboration and development."

### **About Deckers**

Deckers Outdoor Corporation designs and markets functional and fashion-oriented footwear developed for both high performance outdoor activities and everyday casual lifestyle use. Teva®, Simple® Shoes, UGG® Australia, TSUBO®, and Ahnu® are registered trademarks of Deckers Outdoor Corporation.

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## ***JETCAM Helps Compsys Gain a Competitive Edge With 15% Better Nesting Efficiency***

18 March 2010

Compsys, Inc., based in Melbourne, Florida, manufactures unique preforms under the trade name of Prisma. Founded in 1992, initially they were running two Eastman knife cutters with nesting software supplied with the machines, however they were achieving better nesting efficiency through manually created nests. In 2007 they decided to evaluate alternative solutions.

Scott Lewit, President said; "We considered upgrading the existing software and also looked at two others, one of which was JETCAM. In benchmarks JETCAM was up to 15% more efficient than the

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nearest competitors. We could also standardize on a single CAM system to drive both knife and routing cutting technologies.”

The decision was made to select JETCAM Expert with High Performance Nesting, supplied by US distributor NestOne Solutions in December 2007 with a view to integrating into Compsys’ in-house orders database. Engineers were trained and Scott noted that the learning curve was short; “JETCAM is easy to use and quick to learn. With NestOne we’ve had great technical support and training - we always have help if we need it. ”

Once they started using the system Compsys saw a number of immediate improvements. Scott said; “We saw an improvement in material yield of up to 15%. This was helped by the ability to specify ‘filler parts’; items that we regularly make can be specified to fill empty areas on a nest to maximize material efficiency. Also, JETCAM’s ability to automatically select the best sheet or roll for the job in hand is a good feature.”

The integration from their orders databases into JETCAM provided further benefits by reducing operator entry errors. As data is passed automatically between the two systems, any orders created are immediately available within JETCAM, ready for nesting. Through a combination of JETCAM’s ability to automatically import and apply cutting information to entire directories of CAD files, and reliable, optimised nests produced without programmer intervention, overall programming time was reduced by 70% and the company could rely on efficient and dynamically created nests.

Compsys has an ongoing maintenance contract with NestOne, which has been beneficial to their ongoing integration plans; “Our previous system had very few features so we only used it in a basic way, requiring little support. As we are learning more of JETCAM’s advanced features and tying it to our in-house systems we are relying on NestOne. The support is really excellent and we always get a good response.”

Despite the economic downturn Compsys estimate that JETCAM paid for itself within 6-9 months, due to the savings made through reduced programming time and material waste reduction, and the company has no plans to stop there. Scott finalized; “JETCAM delivered what they told us it would. We want to further drive lean using JETCAM. We are working now at more closely integrating JETCAM with our central order and manufacturing databases. It will eventually become part of a fully automated production scheduling module that is currently in development.”

## **Benefits Achieved**

- Up to 15% more efficient nests than competitors in benchmark comparisons
- System paid for itself in 6-9 months, even in economic downturn
- Running both knife cutting and routing technologies
- Programming time improved by 70%
- Use ‘filler parts’ feature to automatically add frequently made parts to unused space
- Integrated JETCAM into in-house MRP system
- Excellent local training and support

## **Machine in use:**

[2 x Eastman 72" knife cutters](#)

[Accurouter Series II Router](#)

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## ***Nationz Technologies Achieves First-Pass Silicon Success With CustomSim Mixed-Signal and VCS Functional Verification Solutions on Multi-GHz RF Transceiver***

23 March 2010

Synopsys, Inc. announced that Nationz Technologies, Inc. has successfully achieved first-pass silicon success of a 2.5-gigahertz (GHz), 126-channel RF transceiver system-on-chip (SoC) design by using Synopsys' CustomSim™ mixed-signal and VCS® functional verification solutions, part of Synopsys' Discovery™ Verification Platform. These Synopsys tools delivered accurate and high-performance transient analysis of the power-up operation to within five percent of the actual silicon with 10x speed-up over Nationz' previous tools for full-chip functional simulation. Having these capabilities shortened Nationz' design cycle by more than two months and enabled first-pass silicon success.

"The combination of CustomSim and VCS allowed us to shorten our design cycle while delivering silicon-accurate results," said Meiyun Li, chief technology officer of Nationz Technologies, Inc. "The CustomSim mixed-signal solution delivered better silicon correlation, performance and ease-of-use over other competitive tools, which was critical in enabling us to achieve first silicon success on a recent RF SoC design."

To adequately verify complex mixed-signal designs, a solution must have the performance and accuracy needed to efficiently simulate digitally-controlled analog functions such as RF transceivers, phase-locked-loops (PLLs) and Sigma Delta Converters. CustomSim addresses these challenges with best-in-class NanoSim®, HSIM® and XA simulation technologies featuring added multicore processing capabilities for high-capacity, high-performance circuit simulation. For full-chip verification, the CustomSim solution is tightly coupled to the VCS functional verification solution through direct kernel integration. The combined solution provides a unified analog/mixed-signal (AMS) verification environment that simplifies usability through a common set of inputs, outputs and device models.

"The combined CustomSim and VCS mixed-signal solution has been widely deployed at major IC companies to verify complex mixed-signal SoC designs," said Farhad Hayat, senior director of analog/mixed-signal marketing at Synopsys. "As analog content of SoCs continues to rise, more companies like Nationz Technologies are adopting [Synopsys](#)' solutions to address their toughest mixed-signal verification tasks."

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## ***Renesas Cuts Design Time by Half on Large-Scale Consumer SoC by Using Cadence Encounter Technology***

24 March 2010

Cadence Design Systems, Inc. said that Renesas Technology Corp. used the [Cadence® Encounter® Digital Implementation \(EDI\) System](#) and Encounter Conformal Low Power to layout a large-scale consumer system on chip (SoC) of over 8 million instances in one-half the time previously possible. Cadence Encounter technology contributed significant improvements in design time and time to market

for Renesas.

Time to market is critical for the highly competitive digital consumer market, and Renesas' large-scale design (over 8 million instances) had complex power domains and a tight schedule to meet. Given these challenges, Renesas chose Cadence solutions to overcome these critical issues and develop the SoC. Using Encounter technology for end-to-end digital design, implementation and verification, the Renesas team significantly reduced overall design time over previous design flows, and met all specifications. Renesas engineers noted EDI System's ease of use and quick performance in designing their chip's complex IP blocks, minimizing changes to I/O specifications and preserving the logical hierarchy of the design.

"This technology greatly helped our engineers meet aggressive schedules while providing ease of use. We are now considering deploying EDI System to other applications," said Hideo Kameda, general manager of System Solution Business Unit 4, System Solution Business Group at Renesas Technology Corp.

Renesas was able to optimize this multi-supply, multi-voltage (MSMV) design for power leveraging the [Cadence Low-Power Solution](#), including the Si2 Common Power Format (CPF), EDI System for implementation and Encounter Conformal Low Power for checking.

"Using the Cadence EDI System effectively, we were able to shorten our design cycle time by half against the estimated design time on our complex, 8-million-instance MSMV hierarchical design, compared to our previous design methodology. We are convinced that the EDI System is the most efficient place-and-route product for very large-scale design SoC at Renesas," said Atsushi Hasegawa, deputy executive general manager, Design & Development Unit at Renesas Technology Corp.

"The complexities and competitive challenges of large-scale chip design require an integrated solution," said Dr. Chi-Ping Hsu, senior vice president of implementation research and development group at Cadence. "The Cadence integrated Encounter digital design and implementation flow closes the productivity gap. We are excited to see leading semiconductor companies like Renesas select EDI System and the Cadence Low-Power Solution to achieve faster design closure and faster time to market."

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## ***Renesas Technology Has Adopted Synopsys Proteus OPC for 28-nm Development***

23 March 2010

Synopsys, Inc. announced that Renesas Technology Corp., the world's No. 1 supplier of microcontrollers and one of the world's leading semiconductor system solutions providers for mobile, automotive and PC/AV (Audio Visual) markets, has adopted Synopsys Proteus optical proximity correction (OPC) for 28-nanometer (nm) development. The 28-nm node pushes the limits for single-exposure photon-based lithography, and by selecting Proteus, Renesas can achieve their aggressive OPC accuracy specifications with improvement of process robustness. Proteus' advanced frequency domain simulators, highly scalable OPC engine and compact physical models offer unmatched accuracy, runtime performance and cost of ownership on industry-standard hardware.

"Process-window-aware OPC accuracy was a very important component at this aggressive technology node, but minimizing the cost of ownership was also required," said Hitoshi Sugihara, department manager, DFM & Digital EDA Technology Dept., Design and Development Unit at Renesas

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Technology Corp. "Proteus' compact physical models, user-programmable recipe with powerful function components, and highly scalable OPC engine allow us to achieve our objectives within a relatively short development cycle."

By optimizing the lithography simulation engine for standard x86 architecture, Proteus helps customers manage turnaround time with the lowest cost of ownership. Unlike software designed for custom hardware, Proteus takes advantage of the 1.6x performance improvement of each x86 generation. Through a combination of these ongoing microprocessor advancements and algorithmic enhancements, Proteus has delivered more than 12x better performance over the last three years.

"Renesas' success using Proteus to deploy their 28-nm OPC flow once again validates that Proteus delivers to our customers the best combination of accuracy and runtime performance," said Howard Ko, senior vice president and general manager of the Silicon Engineering Group at Synopsys. "By working with an industry leader like Renesas, [Synopsys](#) is able to deliver the industry's most advanced solutions, and we look forward to our continued collaboration."

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## ***Vera Bradley Selects PTC's Windchill PLM Software to Support Expansive Growth***

23 March 2010

PTC announced that Vera Bradley, has selected PTC® [Windchill](#)® Product Lifecycle Management (PLM) software to optimize efficiencies and provide cross-functional visibility into product information as the company continues to rapidly expand.

[Vera Bradley](#) is an internationally known handbag, luggage, stationery and eyewear designer which is becoming increasingly diverse and expansive in its business development initiatives. As it looks to optimally leverage resources, the company chose [FlexPLM](#)<sup>™</sup>, PTC's Windchill-based enterprise PLM solution for the Retail and Consumer industries, to provide the backbone for better collaboration, product and design development and overall operational efficiency.

"We are confident that FlexPLM will improve our speed-to-market through optimized efficiencies across our product design and development processes," said Molly Reddish, Vera Bradley product development director.

"PTC's proven success in the Retail and Consumer market is a direct result not only of how our platform enables companies to enhance collaboration across business processes, but our understanding of our customers' business processes and our experience in this complex market," said Kathleen Mitford, vice president, product market and strategy, PTC. "We are excited to deliver that efficiency and market advantage to Vera Bradley as they continue to grow."

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## Product News

### ***Alibre Brings Power of KeyShot Rendering Solution to its Customers***

23 March 2010

Luxion, a leading developer of advanced rendering and lighting technology, and Alibre, developer of feature-rich and low cost CAD/CAM software, announced that starting immediately KeyShot

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technology will be bundled with Alibre Design Expert and Professional. For under \$500 customers can get powerful 3D modeling and 2D drafting, and enjoy stunningly realistic product visualization.

KeyShot is an interactive raytracing and global illumination program developed by Luxion for both PC and Mac that breaks down the complexity of creating photographic images from 3D models. KeyShot is the new name for the successful HyperShot software, the first interactive raytracing and global illumination program. Combined with its ease of use KeyShot gives anybody involved with 3D data the ability to create photographic images in a matter of minutes, independent of the size of the digital model. KeyShot supports many native file formats, including SolidWorks, Rhino, SketchUp, Obj, IGES and STEP.

“KeyShot changes the process of rendering completely,” said Paul Grayson, CEO and Founder of Alibre. “We have chosen KeyShot as our rendering solution since it allows us to deliver a complete end-to-end solution to our customers, combining extreme ease-of-use, and a high level of capabilities and a very reasonable price.”

“We are very excited about working with Alibre”, said Henrik Wann Jensen, Chief Scientist of Luxion. “Alibre’s business model allows to reach out to an entirely new audience that we haven’t been able to reach before. Their price point brings the same level of accessibility to 3D design as our technology brings to the rendering community.”

To learn more about the KeyShot, please go to <http://www.keyshot.com>, or contact [info@luxion.com](mailto:info@luxion.com).

To learn more about Alibre Design, please go to <http://www.alibre.com> or contact [sales@alibre.com](mailto:sales@alibre.com).

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## ***Autodesk Expands Power of AutoCAD 2011 with New Features for Conceptual Design and Drafting Productivity***

25 March 2010

[Autodesk, Inc.](#) announced the availability of the 2011 [AutoCAD](#) software products, including AutoCAD 2011 software, a 2D and 3D design and documentation platform, and [AutoCAD LT](#) 2011 software for professional 2D drafting and detailing. The latest releases of AutoCAD deliver powerful new features — such as new tools for surface modeling and transparency for objects and layers — that can help designers explore their ideas and maximize productivity. The 2011 AutoCAD products are Microsoft Windows 7 certified and are compatible with and supported on Windows 7 Home Premium, Professional, Enterprise, and Ultimate as well as Windows Vista and Windows XP operating systems.

“In the 2011 releases we have continued to invest in increasing drafting productivity and have added a strong set of new 3D modeling features for conceptual design that will help millions of AutoCAD users worldwide take their designs further,” said Guri Stark, vice president, AutoCAD and Platform Products. “We have also implemented many of the top features requested by Autodesk User Group International (AUGI) members and focused on providing new tools that are quick to learn but can have a big impact in everyday work.”

AutoCAD 2011 gives designers more advanced conceptual design tools as well as increased flexibility and control when designing in 3D:

New **surface modeling tools** enable users to easily create smooth surfaces and surface transitions, while associativity maintains relationships between all of the objects.

**Point cloud support** for up to two billion points enables users to quickly visualize scanned objects directly within the modeling workspace.

**Inferred constraints** enable designers to define constraints as they draw.

**Hatch command enhancements** bring improved drafting efficiency, while new **gradient hatch patterns** enable users to add more colors and shading to drawings.

**TimeSaver tools**, previously available only to customers on Autodesk Subscription, are now available to all AutoCAD users.

AutoCAD LT 2011 builds on its reputation for productivity with new commands that make everyday tasks more efficient. In addition to the hatch command enhancements and TimeSaver Tools found in AutoCAD 2011, AutoCAD LT 2011 adds new tools that give users additional options for controlling the appearance of drawings:

**Transparency** for objects and layers provides new options for managing the appearance of drawings and communicating design intent.

New **multifunctional polyline grips** make editing polylines significantly faster and easier.

The ability to **create or select similar objects** based on the properties of existing objects helps users save time when drawing and editing geometry.

## Industry Solutions for the AutoCAD 2011 Products

The updated AutoCAD 2011 software portfolio includes the following industry-specific applications built on the AutoCAD platform:

**[AutoCAD Architecture 2011](#)** software for efficient architectural drafting and documentation has new geometric and dimensional constraints and renovation tools to help accelerate design.

**[AutoCAD Electrical 2011](#)** software helps electrical controls designers to quickly create control system designs and easily access extensive catalog information for large electrical controls projects.

**[AutoCAD Mechanical 2011](#)** software's streamlined design environment gives users vastly improved access to power dimensioning functionality, which automatically aligns part dimensions with the rest of the drawing properties, without ever opening a dialog box.

**[AutoCAD MEP 2011](#)** software provides greater drafting productivity for mechanical, electrical and plumbing (MEP) designers and drafters and has new features for creating and storing AutoCAD block names, sloped piping and parallel conduit routing.

## Availability

Product availability varies by country. Details and purchasing options are available at <http://www.autodesk.com/purchaseoptions>

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## *Autodesk Launches 2011 Design Software Products with Enhanced 3D Features*

25 March 2010

The latest releases of [Autodesk](#) software have been enhanced with new features for 3D design and visualization that will help architects, engineers and other design professionals unleash their creativity

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and maximize productivity. A consistent and modern user experience across the flagship products will also facilitate working with and moving between multiple Autodesk products.

“With the release of these powerful applications, the 2011 Autodesk product line is truly the best-in-class,” said Autodesk President and Chief Executive Officer Carl Bass. “Building on our long history of making complex technology more accessible to a broader audience, we made our portfolio of 3D design and engineering tools both simpler and more powerful”.

Key 2011 Autodesk products, including the [AutoCAD](#) software products, [Autodesk Inventor](#) software for Digital Prototyping, [Autodesk Revit](#) software for [Building Information Modeling](#) (BIM) and [Autodesk 3ds Max](#) software, have been enhanced with a consistent and modern user interface that features new tools for interacting with 3D models directly in the design canvas, reducing the number of menus and simplifying navigation. Users can more realistically visualize their designs in real time during the design process through new industry-leading graphics technology and a rich library of realistic material appearances inspired by Hollywood visual effects artists and video game developers.

Autodesk announced the availability of the 2011 versions of software for the building design, infrastructure and construction industries ([see separate release](#)), manufacturing ([see separate release](#)) and the 2011 AutoCAD products ([see separate release](#)) earlier today in a [live webcast](#). Full details about the 2011 products are also available at <http://www.autodesk.com/>.

## Availability

Product availability varies by country. Details and purchasing options are available at <http://www.autodesk.com/purchaseoptions>.



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## ***Autodesk 2011 Digital Prototyping Software Accelerates Design Process for Manufacturers***

25 March 2010

Autodesk, Inc. introduced its new 2D and 3D design and engineering software lineup for manufacturers of all sizes seeking to digitally design, visualize and simulate their products before they are built. The tight technology integration offered by Autodesk Inventor 2011 software and the complete Autodesk Digital Prototyping software portfolio helps enable designers and engineers to compete more effectively and do more work in house.

“Over the last several years, Digital Prototyping workflows have torn down historic barriers to innovation -- time, money, distance, language -- and helped foster manufacturing teams in which designers, engineers, marketers and end customers collaborate continuously from concept to production”

“Over the last several years, Digital Prototyping workflows have torn down historic barriers to innovation -- time, money, distance, language -- and helped foster manufacturing teams in which designers, engineers, marketers and end customers collaborate continuously from concept to production,” said Robert “Buzz” Kross, senior vice president, Manufacturing Industry Group at Autodesk. “Autodesk’s 2011 product lineup makes huge strides in technology integration and productivity, extending the benefits of Digital Prototyping to even more small and large manufacturers seeking to make better products.”

Autodesk enhanced its specialized tools for product development professionals focused on conceptual design, design visualization, engineering and manufacturing disciplines, and at the same time, the

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company embedded key functionality from these tools within its core Autodesk Inventor 3D mechanical design and engineering software. New direct manipulation capabilities in Inventor 2011 software fundamentally improve the mechanical design process, helping accelerate design times as compared with Inventor 2010 software by approximately 40 percent on common tasks such as assembly modeling. Inventor 2011 software also incorporates Autodesk's design visualization capabilities within the CAD application so users can better conceptualize and communicate designs with clients. New shading, lighting and material properties give users a photo-realistic representation of their designs, with Inventor software rendering designs as the user works.

"We have relied on Inventor software to create digital prototypes of our tooling and machinery products for nearly 10 years," said George Radcliffe, manufacturing engineer for Park Manufacturing. "Inventor 2011 enhances our 3D design and engineering process on many fronts. The real-time performance of the new visualization graphics engine gives us a surprising leap forward in output capability for design communication and marketing purposes. With 2011, we can easily create impressive rendered images with a combination of quality and speed that was impossible to achieve with Inventor 2010."

Other highlights of Inventor 2011 include:

- **Simulation:** With added frame analysis, users can test responses of frame models to gravity and other loads and record animations of displacement and stress results. The software guides users through the steps required to define the best testing scenario, making simulation more accessible to CAD users.
- **Tooling:** Inventor Tooling 2011 improves performance for a number of key operations by more than 50 percent, supports dynamic simulation of mold assemblies and helps enable users to automatically generate the mold core and cavity for a broader range of plastic parts, whether using native Inventor or imported files.
- **Design Automation:** Inventor iLogic technology is now fully integrated into Inventor 2011, dramatically simplifying rules-based design. The new iCopy feature enables customization of commonly used assemblies by automating the process of copying and positioning similar components.
- **Freeform Shape Modeling:** Autodesk Alias Design for Inventor 2011 is a new product that integrates freeform shape-modeling capabilities in the Inventor parametric modeling environment.

Along with Inventor software, new applications within the Autodesk solution for Digital Prototyping offer capabilities spanning conceptual design, engineering and manufacturing workflows.

**AutoCAD Electrical 2011** software helps electrical controls designers to quickly create control system designs and more easily access extensive catalog information for large electrical controls projects.

**AutoCAD Mechanical 2011** software's streamlined design environment gives users vastly improved access to power dimensioning functionality, which automatically aligns part dimensions with the rest of the drawing properties, without ever opening a dialog box.

**Autodesk Algor Simulation 2011** mechanical simulation tools now feature integration with Autodesk Moldflow 2011 software, allowing engineers to utilize Moldflow simulation results and the extensive Moldflow material database when performing structural simulations on plastic parts.

**Autodesk Alias 2011 family** — Alias Sketch, Alias Design, Alias Surface and Alias Automotive — delivers surfacing capabilities supported by industry-leading sketching, modeling and visualization tools. New Autodesk Alias Sketch software's unique hybrid paint and vector workflow helps creative professionals transform ideas into compelling design iterations more quickly.

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**Autodesk Inventor Publisher** makes its commercial debut after its recent Technology Preview on Autodesk Labs. The easy-to-use software for creating compelling product documentation helps enable manufacturers to provide their customers with clearer and more comprehensive technical instructions by leveraging the same digital model used in the design to manufacturing process.

**Autodesk Moldflow 2011** software helps users validate and optimize plastic part and injection mold designs before manufacturing begins. Users can now easily export their Moldflow simulation results to Autodesk Showcase 2011 visualization software to expose defects and see how the part will look in real life, helping to assess part quality and make better design decisions.

**Autodesk Vault 2011** family, a workgroup solution for managing the complete digital prototype, now features a new visual experience for graphically mapping Vault information directly to Inventor models to streamline workflows, fundamentally improve the reporting and decision-making process, and accelerate model selection and interaction.

## Availability

Product availability may vary by country. See details and purchasing options at <http://www.autodesk.com/purchaseoptions>

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## ***Autodesk Unveils 2011 Software Portfolio for Building Design, Infrastructure and Construction Industries***

25 March 2010

[Autodesk](#), Inc. announced new versions of its software for the building, infrastructure and construction industries. The updated portfolio is designed to help increase industry adoption of the [Building Information Modeling](#) (BIM) process, facilitate multidisciplinary collaboration and address new and renovation projects.

“The building design, construction and infrastructure industries must improve productivity, while at the same time completing complex projects on time and at, or under budget,” said Jay Bhatt, senior vice president of AEC Industry Solutions. “Our new 2011 software helps support that goal by capitalizing on the enormous benefits of Building Information Modeling, and facilitating multidisciplinary collaboration from start to finish for everything from new construction and renovations on residential and business projects to large-scale infrastructure and government projects.”

### **2011 Portfolio for Building Design and Construction**

Autodesk’s 2011 software for new construction and existing building projects supports the Building Information Modeling process to help architects, designers and engineers more easily create and profit from digital design data and better communication across extended project teams. Updated software includes:

[Autodesk Revit Architecture 2011 software](#) -- Autodesk Revit Architecture helps architects and designers work naturally, design freely, and deliver projects efficiently. Purpose-built for building information modeling (BIM), Revit Architecture helps explore design concepts and forms, and better maintain design data through documentation and construction. With parametric change technology, any change made is automatically updated throughout your model, keeping design and documentation coordinated and more reliable. Key new features include:

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- Large team workflow
- Enhanced visualization
- Enhanced documentation

[Autodesk Revit Structure 2011 software](#) -- Autodesk Revit Structure is the purpose-built building information modeling (BIM) solution for structural engineering firms, providing tools for structural design and analysis. Revit Structure integrates a multimaterial physical model and an independently editable analytical model for more efficient structural analysis while providing bidirectional links to popular structural analysis software. Key new features include:

- Framing enhancements (slanted columns, beam systems, trusses and connection symbols)
- Reinforcement and concrete cleanup enhancements
- Analytical model enhancements

**Autodesk Revit MEP 2011 software** -- Autodesk Revit MEP building information modeling (BIM) software helps mechanical, electrical, and plumbing (MEP) engineers, designers, and drafters gain the competitive advantage of BIM by analyzing and optimizing building systems designs before they are built. Autodesk Revit MEP helps design teams accelerate better design with tools that promote productivity and support sustainable design and analysis. Key new features include:

- Cable tray and conduit modeling
- Panel schedules and demand factors
- MEP fixture management

To help facilitate the BIM process, while at the same time protecting investment in legacy software, training and design data investments, the 2011 portfolio includes:

[AutoCAD Revit Architecture Suite](#) -- Combines [AutoCAD 2011](#) software, AutoCAD Architecture 2011, and Autodesk Revit Architecture 2011 software

**AutoCAD Revit MEP Suite** -- Combines AutoCAD MEP 2011 and Autodesk Revit MEP 2011 software applications

[AutoCAD Revit Structure Suite](#) -- Combines AutoCAD 2011, Autodesk Revit Structure 2011 and AutoCAD Structural Detailing 2011 software applications

Enhancements for AutoCAD Architecture 2011 and AutoCAD MEP 2011 include:

[AutoCAD Architecture 2011](#) -- efficient drafting and documentation with an intuitive environment and purpose-built tools for architects. Key new features include:

- New geometric and dimensional constraints
- New renovation tools to help accelerate design and production
- Improved wall cleanups with new intelligent Cleanup command

[AutoCAD MEP 2011](#) -- version of AutoCAD software for mechanical, electrical and plumbing (MEP) designers and drafters that provides greater drafting productivity. Key new features include:

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MvPart view blocks (create and store AutoCAD block names, edit display)

Parallel conduit routing

Sloped piping

To facilitate multi-discipline collaboration the 2011 building and construction software portfolio includes:

[Autodesk Navisworks 2011](#) -- software (including Autodesk Navisworks Manage 2011, Autodesk Navisworks Simulate 2011 and Autodesk Navisworks Freedom 2011 software) enables design and construction professionals to unite project contributions into a synchronized model for whole-project review, simulation and analysis. Key enhancements for the Navisworks 2011 family of software include:

Restructured and simplified User Interface (applies to Navisworks Manage, Simulate and Freedom)

Enhanced sectioning Tools (applies to Navisworks Manage and Simulate)

New Primavera link and Gantt view (applies to Navisworks Manage and Simulate)

**Autodesk Buzzsaw 2011** -- Autodesk Buzzsaw is a leading software as a service (SaaS) delivered document, data, and design management solution for centralizing and more securely exchanging project information for distributed teams (across stakeholders, geographies and companies). Fully integrated into the portfolio of Autodesk design solutions, Autodesk Buzzsaw 2011 now includes the Buzzsaw Sync feature. With Buzzsaw Sync users can:

- Automatically synchronize files from the desktop to the Buzzsaw cloud without interrupting users' workflow
- Easily centralize multi-discipline models for importing into Autodesk Navisworks
- Leverage Buzzsaw permissions to more securely synchronize, share and access information

To facilitate design visualization and creative storytelling the 2011 portfolio includes:

[Autodesk 3ds Max Design 2011](#) -- Autodesk 3ds Max Design 2011 software offers compelling new techniques for bringing designs to life by aggregating data, iterating ideas, and presenting the results. Key new features include:

- Quicksilver, an innovative new hardware renderer
- FBX File Link with Revit Architecture
- Viewport display of 3ds Max Design materials

## 2011 Portfolio for Infrastructure

Autodesk's 2011 software for road, highway and utilities projects includes:

[AutoCAD Civil 3D 2011](#) -- AutoCAD Civil 3D software, the building information modeling (BIM) solution for civil engineering, helps teams deliver higher-quality transportation, land development, and environmental projects faster. Its model-based approach helps keep project information coordinated while delivering higher-quality documentation and visualizations. AutoCAD Civil 3D helps users gain the competitive advantage of BIM to deliver more innovative project solutions. Key new features include:

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Scalability and performance improvements, as well as an optimized 64-bit version of Civil 3D

Tools to better manage the creation and editing of corridors

Enhanced superelevation functionality that provides a dynamic link to the alignment and flexible editing options

[AutoCAD Map 3D 2011](#) -- AutoCAD Map 3D software can provide direct access to data needed for infrastructure planning, design, and management activities. AutoCAD Map 3D helps professionals working on transportation, land development, water, and power projects to more easily create, manage, and analyze design, GIS, and asset data so they can achieve better designs, enhanced productivity, and better data quality. Key new features include:

- New point cloud tools
- New and enhanced data support
- Enhanced workflow capabilities

## Availability

Product availability will vary by country. Details and purchasing options are available at <http://www.autodesk.com/purchaseoptions>

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## ***Bentley Offers GenerativeComponents Technology Preview to Accelerate Pace of Generative Design Exploration and Innovation***

24 March 2010

Bentley Systems, Incorporated announced that its GenerativeComponents (GC) generative design software – delivered with MicroStation and successfully employed the past seven years by more than 10,000 users on projects around the world – is now available as a no-charge, stand-alone technology preview release. The new offering provides a feature set solely focused on computational design and includes no-charge instructional materials and user support through a dedicated online GC forum – ensuring the successful exploration of generative design software by a larger community of infrastructure professionals. The software can be downloaded with a single click at <http://www.Bentley.com/GetGC>.

Bentley's GC is an enabling technology for architects and engineers across multiple disciplines. It has been incorporated in more than 80 academic curriculums and adopted for use by many of the world's leading architectural and engineering practices, including Arup, Buro Happold SMART, Foster + Partners, Grimshaw, Henning Larsen Architects, HOK, PLP Architecture, Morphosis, SHoP Architects, Snøhetta, and UNStudio.

Bentley's experience with GC in research, academia, commercial practices, and the computational design community has shown that even small hurdles to acquiring, installing, and licensing new methodologies such as generative design can significantly limit the pace at which they are explored and adopted. Recognizing the important contributions generative design practices are already making to the creation of better-performing, more sustainable buildings and other structures, Bentley is paving the way for any and all practitioners and organizations to try generative design software today.

Huw Roberts, Bentley global marketing director, said, "The use of generative design methods to deliver

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more sustainable buildings is currently practiced primarily by architectural and structural innovators. Bentley is a strong advocate for the expanded use of generative design practices, and has helped enable its adoption through our innovative GC software and support of industry communities such as the SmartGeometry Group. By offering a stand-alone technology preview release of our GC software at no charge, and making access to its powerful capabilities as simple as a website click, we hope to accelerate the use of generative design methods for building design, and to encourage a broader community to begin exploring its many features.

“In addition, by continuing our highly interactive relationship with the growing community of GC adopters, we can symbiotically discover generative design’s full potential. This will quickly benefit users while informing the course of Bentley’s future product developments as we provide users a migration path to extended GC capabilities through additional integrations with Bentley’s comprehensive portfolio of software for sustaining infrastructure.”

To download the GenerativeComponents technology preview release, visit <http://www.Bentley.com/GetGC>.

## About GenerativeComponents

GenerativeComponents generative design software captures and exploits the critical relationships between design intent and geometry. Designs can be refined by either dynamically modeling and directly manipulating geometry, by applying rules and capturing relationships among building elements, or by defining complex building forms and systems through concisely expressed algorithms.

To inform decisions, GenerativeComponents is integrated with building information modeling, analysis, and simulation software, providing feedback on building materials, assemblies, systems performance, and environmental conditions. This integration also ensures that intent becomes reality by enabling designs to accurately and efficiently flow through to detailed production and fabrication.

For more information about GenerativeComponents, visit <http://www.bentley.com/gc>.

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## *Elysium to Release CADdoctor SX for Entry-Level Users*

23 March 2010

Elysium Inc. announced the upcoming release of CADdoctor SX, a new translation and geometry optimization tool for 3D CAD data users who work in smaller supplier and manufacturing shops.

The CADdoctor SX family, available as of April 22, 2010, is made up of four suites: The first is simply for CAD-to-CAD translation. The second is for translation and geometry simplification for FEM. The third is for preparation of molding die design and machining. And the fourth is for reverse engineering (RE).

These sophisticated 3D data handling techniques in CADdoctor SX provide entry-level users with high fidelity translation and superior performance, yet at a lower cost than Elysium’s CADdoctor EX, the leading flagship data verification tool widely accepted by major corporations worldwide.

“We developed CADdoctor SX with entry-level users in mind,” says Elysium Inc. COO/Vice President Ken Tashiro. “If you are a small mold shop and you just want to bid on, say, a CATIA V5 file from a major aerospace manufacturer, CADdoctor SX allows you to open the file, take a look, measure volume, surfaces, machining requirements—all without owning that CAD seat.”

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Since so many industries today depend on 3D tools at every stage of the product design and manufacturing process, interoperability between all data types (such as point cloud, polygon and CAD) is critical. Larger companies have the budgets to purchase multiple seats of the most sophisticated design software but smaller suppliers and tooling houses who can't always afford high-end CAD still need quality translation and interoperability capabilities.

“Each function within CADdoctor SX has been developed through long-term, onsite use in major manufacturers in Japan,” said Sakae Morita, General Manager of Elysium Co. Ltd., the parent of U.S.-based Elysium Inc. “This new product will help smaller companies streamline their workflows and dramatically increase efficiency.”

The major features of each suite within CADdoctor SX are:

## 1. Trans Suite (for translation)

Trans/TransPlus2 is the basic package for 3D CAD-to-CAD translation. With this suite, users can translate any source CAD file into another CAD file. Thanks to a direct interface for each CAD system, users don't have to prepare their own CAD file in order to receive/output native CAD data.

## 2. FEM Suite (for finite element modeling)

FEM/FEMPlus2 is the all-round package for 3D CAD users who make preparations for FEM analysis and Digital Mock Up. In addition to CAD-to-CAD translation, users have geometry simplification for making 3D CAD models suitable for FEM analysis. For example, users can readily detect features in a model that are not necessary for FEM analysis such as 'Fillet,' 'Chamfer' or 'Hole' and remove them. An 'Envelop Solid' function to extract the contour of an assembly model is also available. In addition to handling B-rep (usual CAD models), the suite is also useful for the handling of polygon data, including importing, quality checking, healing and exporting. This will help in the downsizing of polygon files as well as the smoothing of polygon represented surface boundaries.

## 3. Mold Suite (for tool and moldmaking)

Mold/MoldPlus2 is the all-round package for 3D CAD users who design molding dies or make preparations for machining. With this suite, users can operate not only CAD-to-CAD translation but the geometry simplification and advanced verification needed to ensure mold manufacturability and manufacturing quality. For example, a user can easily detect and remove unnecessary fillets to prevent failure at taper shape. It is also easy to detect features, in advance, that will cause problems, such as 'Undercut' or 'Thin wall.'

## 4. RE (for reverse engineering)

RE is an all-round package for handling polygon files for 3D CAD users who uses a 3D measuring machine to execute reverse engineering. With this suite, users can generate B-rep (CAD) models from polygon files, generate polygon files from point cloud files and modify CAD data to fit polygon data. This suite is also useful for interchange between FEM results and original CAD data.

For further information about CADdoctor SX capabilities and Plus2 options, go

<http://www.elysiuminc.com>

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## ***EnSuite Extends Usability of CAD Data Outside Engineering***

2 March 2010

CCE announced the immediate availability of an updated version of its EnSuite product to support the latest versions of Unigraphics NX, Pro/E Wildfire, and SolidWorks CAD formats. Pro/E Wildfire 5.0, UG NX7 and SolidWorks 2010 data files can now be seamlessly accessed using EnSuite, without requiring a license of the respective CAD systems.

EnSuite provides a toolbox for designers and non-designers to view, translate, interrogate and repurpose multi-CAD data for their functional applications.

“This recent EnSuite upgrade shows CCE’s commitment to keep pace with latest releases of all major CAD systems and file formats,” says Vinay Wagle, V.P. Sales & Marketing of CCE. “EnSuite enables an enterprise’s diverse teams from Engineering, Manufacturing, Packaging, Purchasing, and Marketing to its external supply chain to leverage the product CAD data to accelerate their development, deployment, sales & support processes. It is therefore critical for EnSuite to support all new file formats in a timely manner” added Vinay.

EnSuite currently supports CATIA V4, CATIA V5, Unigraphics, Pro/E, SolidWorks, Parasolid, JT, CGR, STL, IGES and STEP formats.

For additional information, please visit <http://www.cadcam-e.com/products/ensuite2/>.



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## ***IronCAD, LLC Releases Product Update #1 for IRONCAD Next Generation "XG"***

25 March 2010

IronCAD, LLC announced the immediate release of IRONCAD XG 2009 Product Update #1. This latest offering enhances the capabilities of IRONCAD Next Generation, IronCAD's 3D design solution, which brings productivity and functionality to designers. By combining the flexibility and creativity of modeling with the parametric power of structured design into a single modeling environment, IRONCAD Next Generation gives designers and engineers greater design freedom and flexibility to get products to market faster with better quality. IRONCAD XG Product Update #1 extends productivity by providing many additional user requested features to streamline the design process. A sampling of the improvements includes:

- Double-Click Middle Mouse to Automatically "Fit Scene"
- Hot-Key Assignment for "Edit Sketch" and "Edit Feature" Support
- Command Preview Highlight Improvements to Communicate the Command Result
- Command Right-Click Action Options To Streamline the Design Process
- Options to Perform Statistics on Imported Data After Import to Detect Data Errors
- Large Assembly "Import as Reference" for Improved Memory Consumption
- Use Scene Name for Drawing Name as Default to Help Streamline Standards Tasks

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- Default Template Locations for Images and Catalogs for Ease of Access of User Data
- Copy and Paste Support in Property Browser Input Fields to Support Reuse of Values
- Multiple Part/Assembly Drag & Drop in Scene Browser for Easier Organization Options
- Display Performance Improvements Using Hide-by-Size Options
- 3D Measurement Tools to Help Determine Clearance and Size Information
- Official Support for the Window 7 OS

For a full detailed list of new features and quality improvements, visit

<http://www.ironcad.com/support/updates/ironcadxgpu1/XGPU1Readme.htm>.

IRONCAD Next Generation Product Update #1 is available for immediate download to all active maintenance customers from [www.ironcad.com/support](http://www.ironcad.com/support). An evaluation copy of the IRONCAD Next Generation product that includes quality updates is available for download from <http://www.ironcad.com/>. All new customers buying IRONCAD today will automatically receive Version 2009 Next Generation.

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## ***Mastercam's Multiaxis Machining Increases Speed and Finish***

March 2010

Multiaxis machining can increase a shop's competitiveness, and Mastercam's multiaxis machining offers a wide range of multiaxis machining strategies – both basic and advanced. With Mastercam, you have complete control over the three crucial elements of multiaxis machining – toolpath types, tool motion, and tool axis.

### Toolpath Types

Mastercam's multiaxis machining offers many toolpath types and features to simplify programming including:

- Machine 5-axis parts using spiral, zigzag, or one way tool motion
- Swarf fanning and swarf machining over multisurface floors to keep the tool edge against the drive surface for a smooth finish
- Multisurface 5-axis roughing and finishing, including depth cuts, plunge roughing, and flowline machining
- Minimum tilt control, which helps prevent tool motion that would cause tool holder collisions
- Special options for machining cylinder heads and converting probe data to machinable geometry
- And much more

### **Tool Motion Control**

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Mastercam's multiaxis machining gives the user complete control over the tool axis, lead/lag, entry/exit, and tilt, which simplifies even the most difficult multiaxis jobs. Full entry and exit control lets you determine exactly where and how the cutter enters and leaves your part. There is an automatic point generator, which adds greater precision, as well as advanced gouge checking and a 5-axis safe zone around the part.

## **Tool Axis Control**

Powerful axis limits control tool motion between defined angles, ensuring that the tool tilt will not violate part or machine tool limits. You can easily refine control of your tool axis with a few simple pieces of CAD geometry, and shank containment simplifies cutting in confined areas.

For more information on Mastecam's Multiaxis machining, please visit <http://www.mastercammill.com>.

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## ***Mentor Graphics Calibre LFD Certifications at TSMC Now Include 28nm Process Node with TSMC UDFM Engine***

23 March 2010

[Mentor Graphics Corporation](#) announced that its Calibre® LFD™ (Litho-Friendly Design) solution is fully qualified for the latest 28nm processes at TSMC. The Calibre toolset enables TSMC customers to accurately predict and remove lithography hotspots in the design flow before hand-off to TSMC for wafer manufacturing.

“At advanced nodes, designers not only need access to an exact copy of TSMC’s process models to accurately assess lithography issues, they also need those process models incorporated into EDA tools that then drive resolution of any issues encountered,” said Shauh-Teh Juang, senior director of Design Infrastructure Marketing at TSMC. “Our collaborative solution, which includes TSMC’s Unified DFM (UDFM) framework, an encapsulated LPC engine, and Calibre LFD, allows our mutual customers to identify and resolve design-related litho hotspots at TSMC’s most advanced process, while continuing to work within the same Calibre verification platform they have been using for multiple generations.”

The Calibre LFD tool allows designers to identify litho hot spots, i.e., layout topologies that are sensitive to litho process variations and are primary contributors to systematic failures. By accurately showing the effects of the lithographic process on “as-built” layout geometry, the Calibre LFD tool enables designers to make trade-off decisions early, resulting in a design that is more robust and less sensitive to variations across the lithographic process window. This level of analysis is increasingly important at 40nm and below, where the interaction between different design styles—and even small process variations—can greatly influence silicon results.

The new LPC engine provided by TSMC under its UDFM initiative is an integral part of the DFM Data Kit (DDK) provided by TSMC to all of its customers. The Calibre LFD tool users only need to download the 28nm kit in the usual manner to get the full benefits of the TSMC UDFM LPC engine in their existing Calibre DFM flow. Incorporation of UDFM and TSMC’s LPC engine for 28nm is completely transparent for users and requires no changes to the flow compared to 65nm and 40nm.

“TSMC and Mentor are jointly providing a best-in-class solution,” said Joseph Sawicki, vice president and general manager for the Design-to-Silicon division at Mentor Graphics. “This collaborative solution provides our mutual customers with access to accurate foundry process data provided by TSMC, while they continue to use Mentor’s proven Calibre tools to ensure fast turnaround and the best quality of

results.”

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## ***New i CHECK IT® for Inventor Release Debuts***

25 March 2010

Tata Technologies announced the latest version of i CHECK IT®, its proprietary, industry-leading data quality and integrity analysis software application – 2010 R2.0.0 for Autodesk Inventor; featuring 14 new checks designed to further reduce design errors and ensure consistent design management.

Overall, there are more than 100 design checks within i CHECK IT. The 14 new checks available in 2010 R2.0.0 are:

- Save File in Isometric View
- End of Part Not Last in Tree
- Design Doctor Forbidden
- Parameter Not Nominal
- Fillet Feature Input Equals One
- Unused Work Feature Forbidden
- Material List Allowed
- Projected Loop Forbidden
- Sketch Visibility Forbidden
- Projected Cut Edges Forbidden
- Hidden Dimension Forbidden within Drawing
- Added Text to Drawing Dimension
- Field Text Equal within Drawing
- Black Drawing Sheet Forbidden

“We continue to add new checks to i CHECK IT for Autodesk Inventor to help clients reduce errors and ensure consistent designs,” said Dan Miles, Tata Technologies Vice President – iPRODUCTS. “This results in direct costs savings through error-prevention and increased productivity.”

Miles also noted that Tata Technologies has developed an Autodesk Vault® integration for i CHECK IT that provides automated checking through the Autodesk Job Server feature. “This new automated checking process ensures that the required quality levels of any organization are always enforced,” he said.

i CHECK IT allows organizations to fully automate, customize and enforce design validation processes; resulting in the identification of issues earlier within the Digital Prototype stage.

Release 2010 R2.0.0 is available for download from the Tata Technologies Web site: [www.tatatechnologies.com/icheckitinventor](http://www.tatatechnologies.com/icheckitinventor). A 30-day free trial license is available.

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## *Open Text Targets User Productivity With New Mobile Strategy*

23 March 2010

Open Text Corporation said it's extending the reach of its ECM solutions to mobile devices in a bold new strategy designed to help organizations harness the power of today's mobile workforce to increase productivity.

As part of its strategy, the company is unveiling a new application called Open Text Everywhere that will make the entire Open Text ECM Suite available via mobile devices. Focusing initially on BlackBerry® smartphones, the company announced a first set of mobile applications today with plans for more in the year ahead.

The time is right for mobile content applications, as smartphones gain in power and grow as a critical tool for productive workers on the go.

This increasingly mobile workforce will demand access to more enterprise content, business processes and collaborative tools normally reserved for the desktop or laptop. Today, the biggest applications dominating smartphones are email, calendaring, messaging, personal contacts, and entertainment.

"We call them 'smartphones' but the fact is they can take over the role of laptops," said Eugene Roman, Chief Technology Officer at Open Text. "The power of smartphones is only growing and they offer an entirely new platform to extend the productivity of workers in ways we never imagined just a few years ago."

For example, a September, 2009 study (\*) by Forrester Consulting stated: "BlackBerry devices enable workers to be more efficient and productive in their daily work activities. These productivity benefits vary depending on the type of employee using the BlackBerry device, the range of mobile applications deployed over these devices, and the maturity deployment stage of the organization. For example sales professionals can improve weekly productivity by 1 to 2 hours per week in a reactive deployment organization, 4 to 7 hours per week in a proactive organization, and 13 to 21 hours per week in an integrative organization. Significant productivity benefit ranges are also achieved by field service and executive management personnel."

"Statistics like those are hard for senior management to ignore as they look to grow their business with shrinking budgets," said Roman. "Business doesn't stop when we leave the desktop or the laptop. It's time to unleash business content, processes and applications to go wherever employees need them on a smartphone. Open Text Everywhere will let CIOs extend the productivity power of mobility across their business."

Open Text Everywhere will deliver a comprehensive view of business processes, content and workplace social collaboration tools via native applications unique to each mobile platform. Open Text's first applications will be introduced for BlackBerry smartphones, but the company also plans to support other mobile operating systems in its product strategy. Open Text Everywhere uses the BlackBerry platform's secure connection transportation layer for fully encrypted wireless communication, and uses the same permission model to allow mobile users to access content in the Open Text ECM Suite.

The company's first Open Text Everywhere applications, featured in a video here <http://www.opentext.com/everywhere>, will be released to customers in early May. The applications include the ability to:

- **Manage everywhere** -- documents and content: The ability to browse

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folders, and search, view, manage and email documents stored in the Open Text ECM Suite. This application includes content viewers capable of rendering special file formats, such as PowerPoint onto a mobile screen.

- **Engage everywhere through process workflows:** The ability to initiate business workflows, attach and view documents related to a business process, approve or reject workflows; all through a user experience designed natively for a mobile device.
- **Collaboration everywhere using social media:** Utilize Open Text's collaboration and social tools, including participating in communities, viewing and adding to social community wikis and blogs, connecting with users and getting important information from member profiles.

Open Text's plans to expand its mobile ECM applications include the following:

## **Late 2010:**

- Mobile applications for Vendor Invoice Management and other Transactional Content Management solutions, integrated with SAP. The applications will allow users to manage content and processes for SAP-based transactions while on the road.
- Mobile applications for its eDOCS document management solution targeting mid-market enterprises, and mobile social media applications based on Vignette Community Services and Vignette Community Applications.

## **Early 2011:**

- A mobile email management application that lets customers manage email for legal, regulatory or corporate governance rules.
- A mobile website content management application that allows customers to manage and post web content, respond to emergencies or manage outages.

Longer term, Open Text plans to develop a mobile media management application that lets users import mashed up content images, video and text straight from a smartphone into secure, searchable repositories or online corporate social networks.

To learn more about Open Text Everywhere, go to: <http://www.opentext.com/everywhere>. BlackBerry

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users can also go to <http://m.opentext.com>

\*Forrester Consulting, September 2009, Economic Impact Of A BlackBerry Solution In North American Enterprises

[http://na.blackberry.com/eng/atagance/get\\_the\\_facts/Economic\\_Impact\\_Of\\_BlackBerry\\_Devices\\_2.pdf](http://na.blackberry.com/eng/atagance/get_the_facts/Economic_Impact_Of_BlackBerry_Devices_2.pdf)



## ***Pointwise CFD Meshing Software Compatible with Windows 7***

22 March 2010

Pointwise announced the release of its flagship computational fluid dynamics (CFD) mesh generation software for Windows 7, Microsoft Corp.'s newest operating system. Pointwise Version 16.03 is available for workstations running Windows 7, Windows Vista, and Windows XP (both 32-bit and 64-bit) in addition to other platforms.

"Windows represents the most popular platform among our customers," said Pat Baker, Pointwise's manager of product development. "Therefore, it was a no-brainer to add support for Windows 7. By working with Microsoft, we feel confident that Pointwise Version 16.03 will provide a robust user experience and make our customers' lives easier."

Pointwise, Inc. is solving the top problem facing engineering analysts today - mesh generation for computational fluid dynamics (CFD). The company's Gridgen and Pointwise software generates structured, unstructured and hybrid meshes; interfaces with CFD solvers, such as ANSYS FLUENT, STAR-CD, ANSYS CFX and OpenFOAM as well as many neutral formats, such as CGNS; runs on Windows (Intel and AMD), Linux (Intel and AMD), Mac and Unix, and has scripting languages that can automate CFD meshing. Large manufacturing firms and research organizations worldwide rely on Pointwise as their complete CFD preprocessing solution. More information about Gridgen and Pointwise is available at <http://www.pointwise.com>.



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## ***Selerant Announces Expansion to Greater China Market***

25 March 2010

Selerant (<http://www.selerant.com>) announces its expansion into the Greater China Market, answering the demand of an untapped PLM (Product Lifecycle Management) market for the process manufacturing industry.

"DevEX (Selerant's web-based PLM solution) provides the much needed innovation and product data management tools needed in China. And on a more critical note- provides them with an integrated regulatory toolset to manage the newer legislations passed by the government." Nicola Colombo, Selerant CSO explains, "When melamine-contaminated milk infiltrated the market, the government pushed for stricter requirements. Corporations were then forced to seek greater control in their own management tools. DevEX gives them the control; and now our new operations will give them access to these tools."

Selerant is closely coordinating with ValuePlus, a Taiwanese consulting firm with strong expertise and knowledge about PLM in the process industry. "We have established a strategic alliance with ValuePlus." Colombo continues, "They are a trusted partner and helped us develop an out-of-the-box

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PLM solution for the greater China region. Moreover, we are also delivering legislation data that will make DevEX a ready-to-use PLM for Food and Beverage."

The roadmap for this plan includes opening the offices in Taipei, Shanghai and Beijing with local consultants and support teams. Selerant has also announced availability of SAAS PLM from 4th quarter of 2010.

"ValuePlus is very excited for this strategic alliance. DevEX is state of the art for PLM in Process Industry, " states Christie Lin, Director of Business Solutions at ValuePlus. "It provides flexibility while having everything that a company needs to quickly start leveraging the benefits of PLM. "

## **About Selerant**

Founded in 1990, Selerant Corporation focuses solely on formula-based product development software to expedite time to market, ensure quality and regulatory compliance, improve product quality, and build lasting relationships with their customers.

Earning the prestigious ISO-9001: 2000 certification for best practices, as well as successfully achieving FDA 21CFR PART II compliance implementation, Selerant provides exceptional service and solutions for over 500 companies and global mid-sized organizations. With a global presence and over 300 cumulative years of experience, Selerant offers unique expertise to serve leaders in process manufacturing industries, including: Food, Beverage, Flavor, Chemicals, Paint, Ink, Fragrance, Household Goods, Pharmaceuticals, and Cosmetics.

## **About ValuePlus**

Founded in 2007, ValuePlus is a specialized consulting firm with high quality domain experts in Design Chain Management. As the only active member from Taiwan at Supply Chain Council, ValuePlus co-developed Design-Chain Operation Reference Model (DCOR) with the US Department of Defense, IBM, PRTM, HP, Tata Consulting, and Cisco. DCOR is now the most recognized standard framework for managing the design chain process for manufacturing companies.

Capitalizing on our strong domain expertise, ValuePlus provides added-value PLM consulting and implementation services to help our clients improve the result of process and product innovation.

Learn more at <http://www.valueplus.com.tw>

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## ***SIRE Technologies and Informative Graphics Partner to Deliver Comprehensive Online Plan Review Software***

24 March 2010

Informative Graphics Corporation ([IGC](#)) announced an integration partnership with SIRE Technologies. SIRE, a market leader in providing plan review, agenda automation and content management software for city, county and state governments, has integrated IGC's Brava!® viewer into its new ActiveReview™ electronic plan review offering. Combined with Brava's viewing and collaboration capabilities, SIRE ActiveReview delivers significant efficiency, allowing planning and zoning agencies to respond faster.

SIRE's ActiveReview targets the services provided by various planning and zoning commissions, working with municipal surveyors and engineers to manage large electronic drawings submitted

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electronically for building approval. The public can submit documents to planning and zoning commissions through SIRE's online portal by completing a configurable electronic form, and reviewers can easily compare versions and review changes. As documents go through the review process, municipal employees need to collaborate on drawing specifications and details. Brava allows users to view, markup and print documents and CAD drawings from any Windows-based application. As a unified viewer, Brava eliminates the need for expensive native software, making it a smart choice for any organization focused on containing costs.

Dustin Butler, Director of Development at SIRE Technologies, remarked, "We are excited to offer a technology that can be used not only to automate the plan submittal and review process, but also to enable participation and collaboration between government agencies and citizens. Our solution gets a strong boost from Brava, which makes it easy to view, annotate and collaborate on virtually any file."

In response to the current economic environment, businesses and corporations are being asked to do more with less -- and government agencies are no exception. "All levels of government, from local city councils to large federal agencies, are looking for ways to increase productivity, efficiency and transparency," said Kris Painter, SIRE's president. "Applying smart, secure technology like SIRE ActiveReview with the Brava integration is a great way for government agencies to streamline the plan review process and make the most of tight budgets."

Gary Heath, IGC president and CEO, commented, "IGC is excited that Brava was selected to be part of SIRE's plan review solution. Together, we offer the government sector a tremendous resource to improve productivity and efficiency."

The partnership between IGC and SIRE will extend beyond electronic plan review. Brava will eventually be included in some of SIRE's other software offerings. "SIRE's products are built on top of an ECM foundation, so not only can we integrate Brava into our plan review solution, but we can also bring it into our agenda management and ECM workflow processes," said Painter.

## **About SIRE Technologies**

SIRE Technologies, Inc. is a leading provider of document management, agenda automation, and electronic plan review solutions specifically designed for state and local government agencies. SIRE's comprehensive suite of solutions allows the user to accelerate document recording, simplify business processes, and entirely automate your records and agenda management cycle. SIRE's results help create excellence in local governance by increasing productivity, decreasing workloads, and reducing overhead while improving access to information and service levels for the public. For more information, visit <http://www.siretechnologies.com>.

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## ***Spring '10 Update Release of Arena Offers Greater Ease and Usability to Expert and Novice Users Alike***

23 March 2010

[Arena Solutions](#), a provider of [on-demand software](#) that helps small and mid-size manufacturers manage their complex and constantly changing product record, announced it will go live with the Arena Spring '10 update release on Sunday, April 11, 2010. With a multitude of usability enhancements, Spring '10 is the latest in a string of recent releases that make Arena even easier to use and help expert and novice users alike be both more efficient and more productive.

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The Spring '10 update release is largely focused on the user interface, updating the application's look and improving users' ability to quickly locate -- and easily work with -- information on the most commonly used pages. The release also improves the collaborative capabilities of Arena for the rapidly growing number of customers who [share bills of materials \(BOMs\)](#) with contract manufacturers (CMs) in Chinese-speaking countries. Comprehensive application help is now available in simplified Chinese to help these CMs (and all Chinese-speaking Arena users) get up and running more quickly and reduce the kinds of communication errors that lead to costly manufacturing mistakes.

"Companies switch to Arena from Excel," said Marc Escobosa, vice president of product design at Arena Solutions. "As a tool for managing product data, [controlling engineering changes](#) and sharing BOMs with CMs and suppliers, Arena is clearly miles ahead of Excel in terms of functionality. But we know that's not enough. People have to be comfortable with the tool too, and that's why we're constantly working to improve the usability of the application. I'm pleased that we've been able to focus on the user experience and make a number of the updates that customers have requested -- and that I personally have long wanted to see as well. The learning curve for Arena has always been quick, but these latest improvements make the application feel more familiar from the start. With this release building on recent improvements that get data loaded rapidly and users trained quickly, it's never been easier for companies to make the move to Arena."

Arena users who wish to see a preview of the new interface and other Spring '10 enhancements can do so by logging into the Arena Discussion Forums (<http://forums.arenasolutions.com>) and visiting the [Spring '10 Preview forum](#).

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## ***The MathWorks and Mentor Graphics Outline Joint DO-254 Workflow for Model-Based Design***

23 March 2010

[The MathWorks](#) and [Mentor Graphics](#) announced a joint collaboration to provide guidance on an integrated workflow for DO-254 compliance using Model-Based Design. The approach combines tools from The MathWorks and Mentor Graphics to support Model-Based Design throughout all stages of the development process, including requirements definition and management, conceptual and detailed design, implementation, and testing. Using this integrated workflow, aerospace engineers can verify designs earlier, implement in HDL faster, gain greater reuse of design and verification effort, and more easily manage requirements and test cases throughout the entire development process.

In the new DO-254 workflow, engineers begin with Mentor Graphics ReqTracer to collect and manage requirements. From the requirements, an executable Simulink model is used to develop and explore a conceptual design including implementation details such as fixed-point effects. Model blocks can be linked directly to requirements in ReqTracer to ensure traceability. Using verification and validation tools from The MathWorks, engineers can then perform functional testing and formal analysis at the conceptual model level. These design and verification capabilities allow engineers to ensure that the conceptual design is fully tested, traceable to requirements, and meets all necessary requirements. From this fully tested model, a detailed design in HDL can be automatically generated with [Simulink HDL Coder](#).

From this stage onward, Mentor Graphics HDL Designer provides the primary environment for additional HDL development, code checking, code visualizations, and reviews. Further verification of the detailed HDL design can be performed in the Mentor Graphics verification environment, leveraging

the test vectors created at the model level, using tools such as ModelSim and Questa. Formal analysis is supported by 0-In Formal Verification, for HDL model checking, and FormalPro, for logical equivalency checking. FPGA synthesis and integration with FPGA vendor place and route tools is accomplished by Precision RTL Plus. All verification results and synthesis constraint settings generated throughout the entire flow can be traced back to design and verification requirements using ReqTracer.

“Our aerospace customers have been seeking assurances that they can leverage conceptual design work throughout the software and hardware design flow,” said Michelle Lange, DO-254 program manager at Mentor Graphics. “The opportunity to integrate with The MathWorks was a compelling proposition because of their strong offering in Model-Based Design along with their desire to support a DO-254 compliant workflow. Adding these capabilities to our DO-254 workflow will reduce our customers’ design implementation and verification time.”

“DO-254 compliance is a major focus for our customers and one of the key challenges is the need to improve productivity by reusing designs and automating documentation and verification activities,” said Jon Friedman, aerospace and defense industry marketing manager at The MathWorks. “By demonstrating an integrated workflow with Mentor Graphics, we address this and also further extend the benefits of Model-Based Design from HDL simulation and analysis through synthesis and implementation.”

Adopting Model-Based Design for DO-254 certification with MathWorks tools is explained further at <http://www.mathworks.com/do-254>, and the Mentor Graphics DO-254 approach is detailed at <http://www.mentor.com/go/do-254>.

Learn more about the joint workflow in the whitepaper available at:  
<http://www.mathworks.com/aerospace-defense/standards/do-254.html>

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### ***TraceParts 3D Catalogs Receives Autodesk Inventor 2011 Certification***

25 March 2010

TraceParts announced that its 3D library of suppliers and standard parts catalogs has successfully passed the [Autodesk Inventor 2011](#) certification. Through this technical and marketing achievement, TraceParts reinforces its long-lasting partnership with Autodesk, having been a member of the worldwide [Autodesk Developer Network](#) (ADN) for more than 15 years.

The TraceParts 3D component library is one of the largest parts libraries in the world, offering 100+ million 3D CAD models & 2D drawings, including both industry standard parts as well as products from hundreds of manufacturers’ catalogs used by the tooling, machinery, aerospace and automotive industries. Autodesk Inventor mechanical design software takes engineers beyond 3D to Digital Prototyping by enabling them to design, visualize,

"We are extremely pleased to be the first 3D Parts Library to reach the Autodesk Inventor 2011 Certification," said Gabriel Guigue, Managing Director of TraceParts. "Time to market is crucial to Autodesk Inventor customers, and we know that over 80% of CAD models that a mechanical designer adds to his parts list are later purchased. This is why we strongly believe this Inventor 2011 certification will bring fantastic additional marketing exposure to our many 3D catalogs."

### **About TraceParts**

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TraceParts is a leading digital engineering content company, offering customers progressive business solutions through web based products and services. TraceParts helps customers improve marketing efficiencies by increasing the value of their existing digital product data. The [tracepartsonline.net](http://tracepartsonline.net) CAD portal is freely available to millions of CAD users worldwide. For more information, please visit [www.traceparts.com](http://www.traceparts.com)

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## ***Zuken Introduces Stress Free Migration from PADS to CADSTAR***

23 March 2010

Zuken is making the migration from PADS to [CADSTAR](#) stress free with new functionality that enables users to migrate PADS designs into CADSTAR. The introduction of this new function will enable old PADS designs to be maintained in CADSTAR (12.0) for changing requirements or easy management of part obsolescence, while also facilitating possibilities for the re-use of tried and tested data within new PCBs.

### **Migrate PADS Designs to Simplify Obsolescence Management**

Despite today's continued rapid advancement in technology, there are still a huge number of working designs which are stable and remain in production for very many years.

Even so, problems can occur when components within the PCBs become obsolete and can no longer be sourced, demanding that the designs be updated.

Managing this process manually within these legacy designs can be very time consuming. By utilizing this new functionality and migrating all the design data into CADSTAR, users can manage this process far more efficiently, using automated processes. Users can assess how they can extend their PCB design skills into new areas that include schematic capture, through FPGA programming, final PCB design, 3D board design and clearance checking, dynamic links to MCAD designs and design release to manufacture, all within a single design environment.

When using Zuken's CADSTAR PCB design solutions, users will have the option to continue using their older PADS designs while making use of the CADSTAR Schematics and PCB design solution available as standard.

Designers working for the industrial, medical, automotive, aerospace and defense industries that often have product lifetimes of up to 30 years; this has the opportunity to deliver the largest benefits.

### **Design Re-Use**

Re-using blocks of a design to be employed in other applications is a well known technique for saving time and guaranteeing reliability, but the scope is often limited when legacy designs remain in a format that cannot be edited within the current design tool. The new migration tool from Zuken will mean that users can re-use even the oldest of data for new applications.

For more information about CADSTAR 12.0's PADS migration capabilities visit [www.zuken.com/cadstar-migration](http://www.zuken.com/cadstar-migration) and download the white paper 'Shelving the barriers to PCB design migration'

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# CIMdata PLM Industry Summary

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## **ZWSOFT Announces Release of ZWCAD™ 2010 Portuguese**

25 March 2010

ZWCAD Software Co., Ltd. announced the release of ZWCAD™ 2010 (Portuguese version). Now available in 15 multilingual versions, including Chinese Simplified and Traditional, Czech, English, French, German, Italian, Japanese, Hungarian, Korean, Polish, Portuguese, Russian, Spanish and Turkish, ZWCAD 2010 surpasses the competition in language availability.

We speak the language of CAD and now you can too. Key ZWCAD 2010 Portuguese features include the program application (console and settings), installation interfaces, drop down menu, toolbar, command prompt and CD menu which, provided in Portuguese, allow operators and CAD managers to work in their native language for vastly improved efficiency. They can join a global family of companies and businesses that "speak the ZWCAD language" of powerful, unsurpassed CAD design.

Experience ZWCAD 2010's compatibility in native DWG format with support for Windows(R) XP, 2003, Vista and more, as well as seamless integration with Windows 7 to strengthen and enhance your communication with Windows Operating Systems. Along with all the great drafting features already a standard part of ZWCAD, new and improved features like Memory Optimization provide greater speed and stability, while advanced management features and powerful application programming interfaces will make your work experience more efficient and streamlined.

Our second annual design contest to showcase and reward the imaginati and talents of CAD users everywhere is quickly approaching the April 25, 2010 deadline. Compete on a global level, showcase your talent, and share your vision of the future by submitting a design for something we might see in 2015. Whatever the field -- architecture, engineering, construction or manufacturing -- all that matters is that you create the design with ZWCAD, and you're in the competition for the prizes -- iPod Touch, iPod Nanos and ZWCAD 2010 licenses! Meet the distinguished judges, learn the contest details and how to submit your design at <http://www.zwcad.org/dc2010/>.

Download your copy of ZWCAD 2010 Portuguese at:

[http://www.zwcad.org/products\\_download\\_list.php?id=107](http://www.zwcad.org/products_download_list.php?id=107)

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