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## Acquisitions

### *Rand Worldwide, Inc. and Avatech Solutions, Inc. Merge Business Operations*

17 August 2010

Rand Worldwide, Inc. and Avatech Solutions, Inc. announced that the companies have been combined through a reverse merger. The combined company intends to change its name to Rand Worldwide, Inc. and will seek a new OTC Bulletin Board symbol.

As a result of the merger, the combined company has approximately 51,400,844 shares of common stock issued and outstanding, of which approximately 67% were issued to the former stockholders of Rand Worldwide, including its principal stockholders, funds managed by Ampersand, a private equity firm headquartered in Wellesley, Massachusetts. The combined company will have six directors on its board including the chief executive officer and several former board members of Rand Worldwide and Avatech.

The newly constituted board of directors has appointed Marc Dulude as the chief executive officer of the combined company, and Larry Rychlak as the president and chief financial officer. George Davis, formerly the CEO of Avatech, will remain on the board of the combined company and Richard Charpie, a Managing General Partner of Ampersand, will assume the role of chairman. The combined company is the largest global value added reseller of Autodesk, Inc. products in the world with sales and services capabilities that extend across the United States, Canada, Singapore, Malaysia, and Australia. With offices in 47 cities globally, the combined company is now in a position to further extend its premier training, support, and services throughout the engineering community with even broader reach. It will also continue to offer a wide range of software support services to users of products from PTC, Dassault Systèmes, and Autonomy Corporation plc. The companies’ combined revenue from the last twelve months totaled approximately \$82M.

"With little geographic overlap between the businesses today, the combination of Rand Worldwide and Avatech allows us to leverage the full range of selling and technical resources of each of the companies to enhance the service delivered to our clients," commented Dulude. "We believe that clients in all of the geographies we serve will reap the benefits of the very deep bench of technical service capabilities that will result from combining the two companies. Also, the ability to deliver the additional products and solutions that each company has to its respective customer bases represents an attractive cross selling opportunity."

Rychlak added, "We see great opportunities to even further develop the operational excellence that has characterized each company. It is our intention to leverage the investments we have made in our people, systems and processes across a much larger set of selling operations. This combination represents an ideal opportunity for such leverage."

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Steve Blum, Autodesk's senior vice president of Americas Sales said, "Autodesk has been very pleased with the performance of these two significant channel partners and we look forward to the increased capabilities available with this combination." All Autodesk related services and sales activities for the two companies will be combined under the IMAGINiT Technologies brand worldwide.

Duff & Phelps, LLC served as an independent financial advisor to the Board of Directors of Avatech with respect to this transaction and provided an opinion as to the fairness of the transaction, from a financial point of view, to Avatech and its stockholders. Edwards Angell Palmer & Dodge LLP served as legal counsel to Rand Worldwide, Inc. Gordon, Feinblatt, Rothman, Hoffberger & Hollander, LLC served as legal counsel to Avatech Solutions, Inc.

## **About Rand Worldwide and Avatech Solutions.**

Rand Worldwide and Avatech Solutions have combined to form one of the world's leading professional services and technology companies for the engineering community, targeting organizations in the building, infrastructure, and manufacturing industries. The combined company advances the way organizations design, develop, and manage building, infrastructure, and manufacturing projects. For more information see (<http://www.rand.com>) and (<http://www.avatech.com>).

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## Company News

### ***CAD Gorilla Releases Inventor Essentials Video Tutorials***

16 August 2010

CAD Gorilla, an Autodesk Authorized Developer, announced the release of its self-paced, intermediate level, video curriculum for 2011 Autodesk Inventor called "Inventor Essentials".

CAD Gorilla's Inventor Essentials was designed for both new and experienced users who are serious about becoming proficient using Inventor. The course covers the most common features and functions used by professional designers for creating 3D Parts and Assemblies. Developed as a concept-based curriculum, the course provides a comprehensive video library of features in Inventor that can be accessed on-demand, or when a user needs help with a particular function.

"Our teaching methodology lets you learn the underlying principles behind a tool, as opposed to simply being shown how to use them in one particular situation." remarked Drew Adams, Product Development Manager at CAD Gorilla. "Many of our customers have been requesting and eagerly waiting for the release of this course. I'm very happy to announce that it's now available!"

The Inventor Essentials video course from CAD Gorilla is offered by many Autodesk Resellers and Authorized training centers as a supplement to their instructor led Inventor Essentials classes. The video based curriculum reinforces topics covered such as Sketching, Sketched Features, Placed Features, Work Features, Reference Geometry, Patterned Geometry, Design Strategies, i-Parts, Assemblies, and Exercises that reinforce the concepts learned throughout the course.

"Everyone learns at a different pace, and let's face it, when it comes to becoming proficient with CAD software, it's really more of an iterative process than a one-time training event." commented Jason Wright, Business Development Manager at CAD Gorilla, "The self-paced video format of this product lets users watch lessons as many times as necessary, or rewind to see and hear it again."

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Inventor Essentials is the most recent addition to the growing library of video based instruction developed by [CAD Gorilla](#), which includes courses such as Inventor for Beginners, and Revit for Beginners. Inventor Essentials includes over 4 hours of video content, 97 lessons, hands-on exercises, downloadable part files, and assessment exams. Inventor Essentials can be purchased for \$199, direct from [www.cadgorilla.com](http://www.cadgorilla.com), or from a growing number of Autodesk resellers and authorized training centers.

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## ***Delcam Programs to be Designated Software for China National NC Competition***

18 August 2010

A number of [Delcam](#) programs, including PowerMILL, PowerSHAPE and FeatureCAM, have been selected as the Designated CAD/CAM Software for the finals of the fourth China National Numerical Control Skills Competition to be held in Guangzhou later this year. The choice of Delcam software was unanimously approved by the technical experts organizing the Competition. They believed that the systems will provide an excellent teaching platform to train the students.

The finals of this year's competition will differ from previous events in that the contestants will be assessed on their skills in five-axis machining. This was an important part of the decision to choose Delcam's PowerMILL as the Designated Software. The system's wide range of multi-axis machining strategies will allow the contestants to maximize the potential of their machines, while the automatic collision avoidance function will ensure the safety of the machine tools and workpieces. Another important benefit for the students will be PowerMILL's integrated machining simulation that will allow them to view their results on the computer and so enable them to understand better the whole manufacturing process.

"We are delighted that PowerMILL has been selected for the NC Skills Competition," commented Joe Zhou, Delcam's Business Development Manager for China. "We fully support the new direction of multi-axis machining technology for this year's event and will spare no effort in providing support for the participants. Increasing knowledge of five-axis machining is an important part of developing highly-skilled personnel that can improve China's advanced manufacturing technology and contribute to the future of China's manufacturing industry."

Delcam has supported China's education system continuously since the company first entered the Chinese market more than 10 years ago. Delcam's CAD/CAM software is now used in more than 200 engineering universities, vocational colleges, and art and design colleges, for teaching, student training and research. These include leading establishments such as Tsinghua University, Beijing University of Aeronautics, Shanghai Jiaotong University, Hunan University, South China University of Technology, Beijing Industrial Technician College, Shanghai Industrial Technical School, and Guangzhou Electrical and Technical Institute.

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## ***3D Systems and Dassault Systemes Ink Agreement***

16 August 2010

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[3D Systems](#) announced that it has signed an agreement with Dassault Systèmes to become a Technology Partner in its Immersive Virtuality Network. Under this agreement both companies will jointly support and promote complementary 3D content creation, capture and print products, services and solutions.

Dassault Systèmes continues to innovate, shape and lead the use of 3D media to maximize the effectiveness of product design and development. [3D Systems](#), the recognized Additive Manufacturing pioneer and leader, is revolutionizing the product development process by offering the broadest portfolio of [3D Printers](#), [3D Manufacturing Centers](#) and [3Dproparts™](#) solutions available today.

“This global relationship with Dassault Systèmes leverages both organizations’ core strengths, building on our joint vision to democratize access and accelerate adoption of 3D content creation, capture and print solutions,” said Abe Reichental, president and chief executive officer, 3D Systems.

Under the terms of the agreement both companies have access to each other’s systems and technologies for the purpose of market development and expansion.

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## Events News

### ***Altair to Demonstrate Innovations in Simulation and Optimization at AIAA SPACE 2010 Conference and Exposition***

17 August 2010

[Altair Engineering, Inc.](#) will showcase its expertise and innovation in simulation and optimization technologies for the global aerospace industry at the American Institute of Aeronautics and Astronautics (AIAA) SPACE 2010 Conference and Exposition in Anaheim, Calif. The conference, themed "Space: Imagine, Innovate, Collaborate," will be held at the Anaheim Convention Center from Aug. 30 to Sept. 2. In addition to participating as an exhibitor, on Sept. 2 Altair Engineering Manager Ronald Thue will present in a session titled, "Space Transportation System, Technology, Design, and Integration Challenges II."

The AIAA conference provides the global aerospace industry with a forum to explore solutions for the advancement of humankind in areas ranging from national security to commercial development to space exploration. For more information or to register for AIAA Space 2010, visit <http://www.aiaa.org/events/space>.

Thue's presentation will examine how optimization technologies and methods have been used effectively within the aerospace industry. He will offer specific examples to demonstrate how to reduce component design time and weight, improve component strength, tune structures, accommodate modal targets and improve component robustness.

Thue has worked in structural engineering for the aviation and aerospace industries for more than 25 years, specializing in optimization and non-linear finite element analysis (FEA), and served as the volunteer AIAA Utah section chair from 2009 to 2010.

Altair has experience in the space industry, with expertise in weight reduction, occupant protection, durability, analysis and design of space-related structures, as well as technologies for efficient modeling, process automation and data analytics. They have used this experience to help design space systems for

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organizations such as ATK, NASA, EADS Astrium, OHB Systems, and MT Aerospace.

Altair's exhibit will feature its optimization-based design methods and tools for developing lightweight spacecraft components using both composite and metallic materials. Additionally, Altair representatives will be available to discuss how simulation can reduce program costs and schedule slips through virtual prototyping and simulated stress and durability testing.

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## ***Aras to Present at 2010 CMII World Conference***

18 August 2010

[Aras](#)® announced that the company will present at the Institute for Configuration Management 2010 International CMII Conference. Now in its 23rd year, the annual CMII Conference is a leading global event for configuration management and business process improvement professionals.

The 2010 World Conference takes place August 30th & 31st at The Orleans Hotel and Conference Center in Las Vegas, Nevada, USA. Marc Lind from Aras will present on Monday, August 30th at 8:15am. Mr. Lind will share best practices for using open collaboration to continuously improve CMII configuration management and drive profitability.

Aras is CMII certified with a 4 star rating by the Institute for Configuration Management delivering industry best practices for corporate confidence and CMII success. To learn more and register for the CMII Conference visit <http://www.icmhq.com/new/cmii-annualconference.html>

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## ***CimatronE 10.0 will be Previewed at IMTS***

16 August 2010

Cimatron Limited announced that the newest version of CimatronE will be unveiled at the International Manufacturing Technology Show (IMTS) this September.

Version 10.0 continues CimatronE's focus on providing higher quality tools in shorter delivery times. The latest enhancements cover the entire tool design and manufacturing process from quoting to delivery, and provide extensive competitive benefits for toolmakers, in a single integrated solution.

CAD enhancements provide stronger, more powerful capabilities, including a new built-in motion simulator, which specializes in tooling and provides an advanced, event based analysis of kinematics. Die makers will enjoy a springback functionality, which saves hours of surfacing work by completing a springback deformation in seconds. Mold designers will find that handling changes is simpler with more powerful ECO analysis and implementation.

CAM enhancements increase programming productivity, with background calculations and enhanced multi-core processing. Machining times are reduced, with significant upgrades to rough and cleanup strategies, and there's a new helical finishing strategy.

"We're proud to preview version 10.0 of CimatronE to IMTS visitors," said Danny Haran, Cimatron's CEO. "This version delivers powerful new features and enhancements for our customers - including background calculation of NC procedures - providing the fastest NC programming experience we have ever offered. Our die making customers will surely appreciate the new springback compensation

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functionality, and everyone will be excited by the new motion simulator.

“When upgrading to version 10.0, our customers will feel the difference immediately, with shorter delivery times, as well as higher quality design and manufacturing.”

**IMTS will take place September 13-18**, at McCormick Place, Chicago, IL, USA. The **Cimatron Group** booth number is **E-3810**.

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## ***Delcam to Launch New Integrated CAM for SolidWorks at IMTS***

17 August 2010

Delcam will launch the 2011 version of its integrated CAM system for SolidWorks at the IMTS exhibition to be held in Chicago from 13th to 17th September. This new release of Delcam for SolidWorks will include comprehensive options for the programming of turning and mill-turn equipment, alongside the company's technology for drilling and two- through five-axis milling. This expanded range of strategies will allow users to program everything from lathes up to mill-turn equipment, more quickly, more reliably and more easily than with other integrated CAM systems.

[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. The software offers PowerMILL's exceptional speed of toolpath calculation, plus the advanced strategies for high-speed and five-axis machining, to 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 that system so consistent and reliable.

The new release of Delcam for SolidWorks will benefit from all Delcam's recent developments to take advantage of the latest hardware, including support for 64-bit computers. 64-bit technology removes the memory limitations of 32-bit computers so allowing more efficient toolpath generation, especially for companies machining large or complex parts. The use of the latest multi-threading technologies has been extended to further increase user productivity. In addition, improved memory management within the software will give faster calculation times, with the greatest benefits again coming when programming larger or more complex components.

All of the latest turning developments in FeatureCAM 2011 are incorporated into Delcam for SolidWorks, including a new style of finishing that uses separate passes to cut the faces and the diameters of the component. This approach gives a better surface finish, improved tool life and more efficient clearance of the chips generated during the first pass over the part.

All of the new options are, of course, fully integrated into the SolidWorks environment so that the program continues to look and behave like SolidWorks. Full associativity is still maintained so that any changes in the CAD model are reflected automatically in the toolpaths.

All of the additional strategies can be checked by the integrated simulation module on the computer before being passed to the machine tool. Finally, the range of post-processors has been extended to allow fast accurate data transfer to all leading types of turning equipment, including sophisticated turn-mill machines, such as the Mazak Integrex, Daewoo Puma and Nakamura-Tome products.

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## ***Delcam to Run CAD/CAM for Orthotics and Prosthetics Day***

20 August 2010

[Delcam](#) will run another of its CAD/CAM for Orthotics and Prosthetics courses at the company's Birmingham headquarters on Wednesday 29th September. The course is approved by BAPO and can be used as evidence of CPD. It will provide a useful introduction to the use of computer technology in the design and manufacture of orthotics and prosthetics to any practitioner that is looking to replace traditional methods.

The day will include demonstrations of the latest versions of the Delcam's software for the design and manufacture of orthotics and orthopaedic footwear, and its iQube 3D scanner for the capture of data for orthotics design. A speaker from Algeos will present the latest developments in materials for orthotics.

Full details and a registration form are at <http://www.delcam.co.uk/oandp2010>.

Delcam's orthotics software helps to increase productivity, profitability and patient satisfaction, both for those prescribing or manufacturing custom devices to help diabetic or rheumatoid patients, and for practitioners working to correct abnormalities caused by a biomechanical mis-alignment of the musculo-skeletal system. The software has been developed in association with laboratories, podiatrists and orthotists from around the world, together with the knowledge of footwear design and manufacture that has been gained within Delcam from its relationships with leading brands such as Nike and Reebok. It replaces the casting process with a simple, non-contact digital solution.

The 2010 versions of Delcam's OrthoModel and OrthoMill software for, respectively, the design and manufacture of custom orthotic insoles, include enhancements that will enable the design of a broader range of orthotics and more efficient manufacture of those designs. Within OrthoModel, more functions have been added to adapt for individual patients the range of standard base models supplied with the software. The extra shaping tools allow whole-model editing of the standard designs so that the desired modifications can be completed quickly and easily.

The most significant addition in OrthoMill is the ability to "batch" machining calculations. This allows the operator to input designs for a number of orthotics, either to be cut from a single block or from several pieces of material. The software can then generate all the required toolpaths in a continuous series of calculations. The process can even be carried out overnight, to give maximum productivity for the programmer.

The iQube scanner has also been developed in association with Delcam's panel of orthopaedic, podiatric and orthotics experts to ensure that it provides a suitable solution for foot-care specialists and their patients. The iQube is based on scanning technology developed for the aerospace industry and so is extremely fast and accurate. It allows high quality, full colour, 3D images to be produced in approximately three seconds. The data collected is accurate to within 0.4mm. This ensures that the laboratory can produce a right-first-time orthotic that will put the patient on the recovery path as quickly as possible.

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## *Geometric to Introduce CAMWorks® 2011 at IMTS*

17 August 2010

**Geometric** (<http://www.geometricglobal.com/>) announced that it will preview CAMWorks® 2011 (<http://www.camworks.com>), the upcoming version of its solid-based CNC programming solution, at **Booth #3830** at the **International Manufacturing Technology Show (IMTS 2010)**, Chicago, IL from September 13-18, 2010.

CAMWorks 2011 provides significant new capabilities, including improved knowledge-based machining information, a new electrode design solution for the mold and die industry, smarter tool paths. In this version, the technologies that enable automation of NC programming have also been enhanced.

For example, Feature Recognition, which is used to automatically identify areas to be machined, has been upgraded to find more features, while decreasing computation times by more than 50% over previous CAMWorks versions. As part models become increasingly complex, recognizing more features in less time represents huge time savings for the NC programmer. The proprietary Technology Database (TechDB™), used to store and apply knowledge based machining information has been enhanced to simplify the process of creating best machining practices. The improved interaction will result in greater use of the knowledge-based machining capabilities of CAMWorks and will reduce potential errors in machining information.

A number of user interfaces have been modified, making it easier to learn and use the software, while at the same time minimize overlapping into the graphics area. Similar changes as these will be expanded in future versions.

For the mold and die industry, Geometric will introduce ElectrodeWorks, an electrode design solution that automates all aspects of extraction, design, management, documentation, and manufacturing of EDM electrodes. This new product will guide the user through the electrode design and production process. Electrodes are designed through a comprehensive yet easy to use interface.

CAMWorks 2011 also introduces VoluMill®, ultra high-performance toolpaths for 2 and 3 axis high speed milling. With VoluMill toolpaths, programming and cycle times have reduced to a great extent, and cutting tool life has significantly increased, all the while, placing less stress on the machine tool. Cycle times have been observed to be reduced by up to 80% and cutting tool life has seen increases up to 500%. These benefits are made possible by utilizing the full capabilities of modern milling machines.

In this latest version, CAMWorks introduces more intelligence into machining operations and toolpaths so that changes to machining parameters minimize regeneration time. This is increasingly valuable to large 3-axis toolpaths. User ground turn inserts can now be used to generate finishing toolpaths in turning. This allows even greater flexibility in generating more efficient toolpaths.

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## *Gibbs to Preview GibbsCAM 2011*

17 August 2010

Gibbs and Associates, developer of GibbsCAM® software for programming CNC machine tools and a Cimatron company, announced that it will preview GibbsCAM 2011 enhancements to the automatic and feature-based programming capabilities of **GibbsCAM at the International Manufacturing**

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**Technology Show (IMTS), September 13-18, at McCormick Place, in Booth E-3810**, where the **Cimatron Group** will also **highlight** its **CimatronE CAD/CAM suite**.

New Features Simplify and Speed Up CNC Programming and Extend Interoperability

Experienced users and those new to GibbsCAM will find demonstrations of the following new GibbsCAM 2011 capabilities very useful in understanding them and appreciating their value:

**New Auto Wizard within Hole Manager** – will allow storing default settings for reuse at any time, and the Auto Wizard button will allow invoking the Hole Wizard multiple times quickly. Using the streamlined Hole Manager options, users will be able to take a part with hundreds of holes and, in just three mouse clicks, auto-recognize and program them all.

**Attribute Manager & Feature Manager** – New tagging capabilities open the door to querying, creation, modification, sorting and filtering of elements and element sets by user-defined and system metadata tags, called attributes. When importing models, GibbsCAM users will be able to control whether and how to import attributes and geometry. Users can define features of any kind, by grouping feature geometry or grouping elements that share a specified attribute. Entities defined as features, or otherwise tagged with attributes, can be visually identified and isolated for manipulation, copying or machining.

**Color Modes** – When a part contains user-defined features, or when any of its elements are tagged with a color attribute, users will be able to switch among color modes: the traditional Gibbs Color mode; the new Feature Color mode to distinguish user-defined features; and various User Color modes to distinguish and select elements by their color attributes.

**New Hole Capabilities** – will be included for selecting, recognizing and drilling holes. Several new Variable Peck cycles and various options for user defined Custom Drill cycles will be available, and a new check box will enable reverse-order drilling. Hole Features will be selectable by face (or set of faces), or by coordinate system to which the Hole Feature is aligned. Also, a Hole Feature will be selectable by picking any of the hole's interior faces. Automatic Feature Recognition will automatically recognize entities that resemble holes, when a user specifies a face (or set of faces) or coordinate system.

**Imported Feature and Color Recognition/Preservation** – In opening models from SolidWorks, Pro/ENGINEER, and other major CAD/CAM packages, GibbsCAM will now read model attributes, then recognize and preserve them as attributes in the GibbsCAM part file. Colors will be preserved as CAD colors in the part file, and hole features in the model will be interpreted as hole features recognizable and usable by Hole Manager and its Auto Wizard.

For more information about GibbsCAM, or to locate your local GibbsCAM reseller, call 1-800-654-9399, or email [info@GibbsCAM.com](mailto:info@GibbsCAM.com). Information about GibbsCAM is also available at <http://www.GibbsCAM.com>

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## ***GO ROBOTICS with CENIT and Motoman in October***

18 August 2010

When using robots in the manufacturing industry, intelligent and continuous processes are a must. Effective offline programming plays a more and more important role.

Covering every aspect of this subject, CENIT and Motoman are organizing a robotics-related meeting to

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be held on two consecutive days in Motoman's subsidiary in Eschborn, Germany: Thursday, October 07th, and Friday, October 08th, 2010, with the program's topics being the same on both days.

An informative lecture program will present the current trends in robotics and innovative IT technologies, with ample opportunity for discussion and debate. Among others, the main topics include effective riveting and drilling processes, the implementation of non-destructive testing, as well as the flexible use of offline programming systems due to an open system architecture.

Another highlight of this event is the presentation of individual processes directly at robotic cells and the subsequent live implementation by robots. The presentation includes examples of how to realize efficient path welding, painting, gluing, or form milling.

Further information concerning the agenda and the speakers as well as the venue can be found under <http://www.cenit.de/motoman>. There you will also find a form for the online registration for one or the other of the free-of-charge events.

**Overview – GO ROBOTICS with CENIT & Motoman:**

**Dates:**

- o Thursday, October 07th, 2010, identical program for both events
- o Friday, October 08th, 2010, identical program for both events
- **Venue:** Motoman subsidiary, Eschborn, Germany
- **Free-of-charge registration:**

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***OpenWorld 2010 Focus On Product Lifecycle Management***

August 2010

OpenWorld 2010 for Product Lifecycle Management (PLM) will feature over 17 dedicated sessions around Product Value Chain solutions delivered by Oracle speakers along with our customers and partners. This year event will also include 3 demo PODs featuring their High Tech / Industrial, Food & Beverage / CPG and Life Science solutions.

Click [here](#) to view a list of these sessions.

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***Registration is Open for Intergraph PP&M Skandinavia 2010***

August 2010

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Intergraph Process, Power & Marine Scandinavia 2010 offers first-hand information about Intergraph's relevant technology advances of the past year, including enhancements to major product offerings such as SmartPlant 3D and SmartMarine 3D. Attendees will have the opportunity to meet experienced users, new users, potential users as well as Intergraph experts who will answer questions and provide demonstrations at their booth.

If you looking for information about these latest developments, schedule November 16 and 17 for their conference at Radisson SAS Airport Hotel, Oslo Airport, Gardermoen.

You will find interesting and relevant content for both the Owner Operator and engineering, procurement, and construction (EPC) firm.

The conference fee is 3.300,- Norwegian Kroner. Early bird registration ends October 1st with a savings of 500,- NOK.

Visit <http://www.intergraph.no/scandinavia2010> for more information and to register.

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## ***Shipbuilding Forum On Know-How Protection***

August 2010

In industries such as the shipbuilding and marine technology industries, in which product development activities are distributed over a long chain of suppliers, protecting intellectual property plays an important role in safeguarding the competitive capabilities of the companies involved. To protect and secure their technological lead, especially in economically difficult times, these companies require intelligent strategies and pragmatic solutions for information security and know-how protection. Therefore, PROSTEP AG will be concentrating on the topic "Information Security in the Shipbuilding and Offshore Industry" at this year's Shipbuilding Forum. This event is being held 7 September 2010 in Hamburg – in parallel with the SMM, the leading trade fair worldwide for the shipbuilding industry.

Over the past few years, PROSTEP's Shipbuilding Forum has established itself as a "must attend" event for the industry, which over 80 representatives from the leading shipbuilding companies and industry suppliers attended last year.

The 2010 Shipbuilding Forum will be offering those attending an interesting program of presentations with top-notch guest speakers.

These will include Rainer Glatz from the German Engineering Federation (VDMA), who will be explaining which strategies can be used to protect against product piracy. Christian Fortmann from 24IP Law Group Sonnenberg Fortmann will be speaking about the preparation, enforcement and prosecution of worldwide patent protection. Dr. Wiegand Grafe from Germanischer Lloyd will be explaining to those attending the forum how the protection of intellectual property can be improved by efficient ship lifecycle management. The program of presentations will be neatly rounded off by a number of other talks that will provide participants with information about PROSTEP's practice-oriented solutions for information security and know-how protection.

The venue for this year's Shipbuilding Forum is the "Hotel Hafen Hamburg" in Hamburg, Germany. Participants arriving on 6 September 2010 are cordially invited to attend an informal get-together on the classic cargo ship MS Cap San Diego. You will find more detailed information about the program of presentations and registration <http://www.shipbuildingforum.com>.

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## ***SURFCAM V5.1 to be Demonstrated at IMTS 2010***

19 August 2010

Surfware, Inc. will showcase the soon-to-be-released SURFCAM V5.1 at the International Manufacturing Technology Show (IMTS). The event will be held at McCormick Place located in Chicago, IL from **September 13th to 18th**. SURFCAM will be exhibited in the **East Building at booth E-3820**.

Throughout the event, professional SURFCAM staff will be on-hand to offer explanations and demonstrations of the many new features and benefits of SURFCAM V5.1.

This point release of SURFCAM, which is far more than a service pack, contains significant and powerful new features and functionality requested by end users. This latest version of SURFCAM V5.1 also makes existing functionality in SURFCAM more efficient and simply faster than ever before. Some of the new features and enhancements in SURFCAM V5.1 are:

Full Machine Simulation Option

Advanced 3 Axis Cutting Strategies Option

64 Bit Toolpath Verification

Ability to Open & Machine native STL files

Enhanced TRUEMill with Multi-tool Support & TSRM (TRUEMill Step Reduction Milling) Technology

"Save As" STL Models for in-process Verification

Post Processor enhancements for APT code

Operations Manager Enhancements

Updated CAD Translators

Improved memory management for 32 & 64 bit systems

...plus over 200 improvements

"We are pleased to be demonstrating another feature filled release of SURFCAM V5.1 at IMTS," Says Peter Marton, Vice President of Surfware, Inc. "This new release demonstrates Surfware's ongoing commitment to provide the highest quality, most versatile and cost effective CAM software available on the market today. When our customers purchase SURFCAM, they gain a product that is known industry-wide for its innovation, ease of use and strong customer service."

For more information on IMTS, visit <http://www.imts.com/>.

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## ***Tribold Marketing Director to Speak at Microsoft Asia Connections Summit 2010***

17 August 2010

Tribold's marketing director, Ernest Margitta, will be joining Bryan Ebstyne, Telco Strategy at

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Microsoft Corporation, live on stage at the Microsoft Communications Sector's premier event in the Asia region, to discuss how the Tribold EPM solution is transforming the way CSP's bring products and services to market.

As recipients of the Microsoft 2010 Partner of the year - communications sector award, Tribold will be showcasing how the Tribold EPM solution is transforming the way CSP's bring products and services to market. As well as speaking as part of the conference program, EPM experts will be on hand to demonstrate the capabilities of Tribold EPM on their booth.

[Tribold](#) will be exhibiting at their booth on the conference floor. To prearrange a meeting with Tribold please email [marketing@tribold.com](mailto:marketing@tribold.com) and to find out more about the event please visit: [http://www.msccsasiaevents.com/event\\_landing.asp?id=32](http://www.msccsasiaevents.com/event_landing.asp?id=32)

## About Tribold

Tribold is a leading global provider of Enterprise Product Management (EPM) software specifically developed for Communication Service Providers (CSPs). Tribold EPM™ is a single, integrated suite of Enterprise Product Management applications that empowers CSPs to put products at the heart of their business.

Tribold EPM™ is based on a Centralized Product & Service Catalog (CPC) and a Product & Service Lifecycle Management (PLM) solution.

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## Financial News

### ***Blue Ridge Numerics Shows Strong Growth in UK and European Markets***

18 August 2010

Blue Ridge Numerics, Inc. announced that it has shown a strong year over year growth of more than 40% in the UK and European markets through the first half of 2010. In response to this growth, the UK Operation has relocated to a new purpose-designed office space, the German and Channel teams have expanded and a customer support team for France has been established.

The strong UK and European growth can be attributed to several key factors including CFdesign's customer-proven accurate simulation results, the speed and ease in which CFdesign operates, the CFdesign multi-scenario design study environment, the CFdesign team approach taken to make customers successful, and the strength and stability of Blue Ridge Numerics. The CFdesign UK and European teams will continue to be expanded and enhanced to keep pace with the growth.

Connect with design engineering colleagues at: <http://www.upfrontcfd.com>

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### ***Delcam Achieves Record Sales and Increased Profits***

16 August 2010

CADCAM developer Delcam announced that the company achieved record six-month sales and increased profits during the first half of 2010. Sales increased by 12% over the same period of last year to £18.1 million, while pre-tax profits were substantially higher at £1.1 million, an improvement of

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approximately £790,000 on the first half of last year.

Other highlights of the opening six months of 2010 included the presentation of the company's third Queen's Award for Enterprise in the Innovation category for the development of design and manufacturing software for dental restorations, and the confirmation in the latest report from US analysts CIMdata that Delcam remains the world's leading specialist supplier of CAM software, with the largest development team in the industry. Indeed, Delcam continues to increase its investment in research and development, which grew to £5.0 million in the first half of this year from £4.7 million during the equivalent period of last year.

Delcam saw software license sales growth across all of its major markets, including North America and Europe, which continue to be our largest markets. However, the most significant increases were in Asia and South America, where license sales rose by 48% and 50% respectively.

Maintenance revenues, derived from software maintenance and support contracts, contributed £6.3 million to the total, up from £5.8 million in the first half of last year, reflecting the positive response from customers to the latest versions of the company's software. These revenues now account for approximately 35% of overall sales.

Commenting on the results, Delcam Chairman Peter Miles, said, "I am pleased to report a strong recovery in Delcam's sales and profits in the first half of the current financial year. These encouraging results reflect recovery across all our major territories globally and were supported by our decision to maintain investment in product development and marketing during the downturn in order to gain commercial advantage."

"As we look ahead over the remainder of the year, while we are very encouraged by the Company's trading performance in the first half, the ongoing improvement in sales and profitability will be materially influenced by the final quarter of the year, which is our most important trading period, historically. At this early stage in the second half, we remain optimistic that the improving trend will continue and, if this remains the case, we would expect trading results for the year to 31 December 2010 to show a significant improvement on results for 2009."

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## ***Mentor Graphics Reports Fiscal Second Quarter Results***

19 August 2010

Mentor Graphics Corporation announced results for the fiscal second quarter ending July 31, 2010. For the fiscal second quarter, the company reported revenues of \$187.9 million, non-GAAP earnings per share of \$.01, and a GAAP loss per share of \$.13.

"Semiconductor markets continue to improve, with revenues at an all-time high, and industry analysts forecasting continued growth," said Walden C. Rhines, CEO and chairman of Mentor Graphics. "Our solid results across all core EDA product lines reflected that. Annualized revenue from renewal contracts in our top ten accounts this quarter grew 45% compared to prior contract values. Leading indicators of the business, like consulting and training, were strong, with revenues up 30% and 70% respectively, year over year. Our strategy of investing in markets adjacent to semiconductor EDA, such as transportation, continues to pay off, with revenue from transportation products nearly doubling year on year, and bookings nearly tripling."

The company also announced this quarter that the Mentor Graphics track in the TSMC Reference Flow

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has expanded to a complete front-to-back solution with new support for the Vista™ platform and the Catapult® C synthesis tool, expanded low power and 28nm routing features in the Olympus-SoC™ place and route system, and the Calibre® InRoute solution. Also released during the quarter were new versions of Mentor's 0-In® Formal and 0-In Clock Domain Crossing products, both enabling greater speed and ease of use in verifying complex IC designs. The company's recently acquired Valor division released version 9.0 of its vSure™ product, with enhancements enabling designers to more easily perform extensive design-for-manufacturing analysis during the printed circuit board design process.

"This was our sixth consecutive quarter of meeting or exceeding guidance," said Gregory K. Hinckley, president of Mentor Graphics. "Our Flomerics and LogicVision acquisitions are performing well, and our new Valor division is on track to contribute to a strong second half. As a result, we are increasing guidance for the full year."

## Outlook

For the fiscal third quarter ending October 31, 2010, the company expects revenues of about \$220 million, non-GAAP earnings per share of approximately \$.15, and GAAP earnings per share of approximately \$.08. For the full fiscal year 2011, the company now expects revenues of approximately \$880 million, non-GAAP earnings per share of about \$.65, and GAAP earnings per share of approximately \$.20.

To access the unabridged press release with financial tables, please click [here](#).

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## ***Open Text Reports Fourth Quarter and Fiscal Year 2010 Financial Results***

18 August 2010

Open Text™ Corporation announced financial results for its fourth quarter and fiscal year ended June 30, 2010.(1)

Total revenue for the fourth quarter of fiscal 2010 was \$240.0 million, up 18% compared to \$203.4 million for the same period in the prior fiscal year. License revenue in the fourth quarter of fiscal 2010 was \$68.5 million, up 9% compared to \$63.0 million for the same period in the prior fiscal year.

Adjusted net income in the fourth quarter of fiscal 2010 was \$54.9 million, up 40 % compared to \$39.2 million for the same period in the prior fiscal year. Adjusted earnings per share for the fourth quarter of fiscal 2010 was \$0.95 per share on a diluted basis, up 30% compared to \$0.73 per share on a diluted basis, for the same period in the prior fiscal year. Net income in accordance with U.S. generally accepted accounting principles ("US GAAP") was \$51.5 million or \$0.89 per share on a diluted basis, compared to \$19.5 million or \$0.36 per share on a diluted basis for the same period in the prior fiscal year.(2)

Total revenue for fiscal 2010 was \$912.0 million, up 16% compared to \$785.7 million in the prior fiscal year. License revenue for fiscal 2010 was \$238.1 million, up 4% compared to \$229.8 million in the prior fiscal year.

Adjusted net income for fiscal 2010 was \$178.0 million compared to \$132.8 million in the prior fiscal year. Adjusted earnings per share for fiscal 2010 was \$3.10 per share on a diluted basis, up 24% compared to \$2.49 per share on a diluted basis, in the prior fiscal year. Net income for fiscal 2010 in accordance with US GAAP was \$87.6 million, or \$1.53 per share on a diluted basis, compared to \$56.9

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million, or \$1.07 per share on a diluted basis, in the prior fiscal year.(2)

Operating cash flow in the fourth quarter of fiscal 2010 was \$65.2 million, compared to \$38.6 million for the same period in prior fiscal year. For the full 2010 fiscal year, Open Text generated \$180.2 million in operating cash flow compared to \$176.2 million in fiscal 2009.

The cash and cash equivalents balance as of June 30, 2010 was \$326.2 million. Accounts receivable as of June 30, 2010, totaled \$132.1 million, compared to \$115.8 million as of June 30, 2009, and Days Sales Outstanding (DSO) was 50 days in the fourth quarter of fiscal 2010, compared to 51 days in the fourth quarter of fiscal 2009.

"Our focus for the year has been on profitability and I am pleased that in this difficult economic environment, we have exceeded our profitability targets with disciplined cost control," said John Shackleton, President and Chief Executive Officer of Open Text. "Demand for vertical solutions, as well as customer need for compliance and back office efficiencies, continue to contribute to our strong pipeline."

Please see note (2) below for a reconciliation of non-US GAAP based financial measures used in this press release, to US GAAP based financial measures.

## Teleconference Call

Open Text will host a conference call on August 18, 2010 at 5:00 p.m. ET to discuss its final financial results. A replay of the call will be available beginning August 18, 2010 at 7:00 p.m. ET through 11:59 p.m. on September 1, 2010 and can be accessed by dialing 416-640-1917 and using passcode 4325575 followed by the number sign.

For more information or to listen to the call via Web cast, please use the following link:  
[http://www.opentext.com/2/ex\\_event.html?evtype=events&id=701200000003lzHAAQ](http://www.opentext.com/2/ex_event.html?evtype=events&id=701200000003lzHAAQ)

## Notes

(1) All dollar amounts in this press release are in US dollars unless otherwise indicated.

(2) Use of US Non-GAAP financial measures

For an unabridged press release with financial tables, please click [here](#).

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## ***SofTech Announces Filing to Deregister Its Common Stock***

16 August 2010

SofTech, Inc. announced that it intends to file today Form 15 with the Securities and Exchange Commission to de-register its common stock and suspend its reporting obligations under the Securities Exchange Act of 1934. The Company expects the de-registration to become effective within 90 days of the filing with the SEC.

As a result of the filing of the Form 15, the Company's obligation to file with the SEC certain reports and forms, including Forms 10-K, 10-Q, and 8-K will immediately cease. The Company anticipates that its shares will be traded over the counter (OTC) on the Pink Sheets through Pink OTC Markets, Inc., or Pink OTC, but can make no assurances that any broker will make a market in the Company's common stock. Pink OTC is a centralized quotation service that collects and publishes market maker quotes in

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real time, primarily through its web site, <http://www.otcmarkets.com/>.

The Company believes that de-registration will significantly reduce reporting expenses for the Company.

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## ***Synopsys Posts Financial Results for Third Quarter Fiscal Year 2010***

18 August 2010

Synopsys, Inc. reported results for its third quarter of fiscal year 2010.

For the third quarter of fiscal 2010, Synopsys reported revenue of \$336.9 million, compared to \$345.2 million for the third quarter of fiscal 2009.

"Synopsys delivered strong results in Q3, and we are well on-track to meeting or beating the targets we set at the beginning of the year," said Aart de Geus, chairman and CEO of Synopsys. "During the downturn over the past two years, we invested to strengthen our technology portfolio, gained customer momentum, and expanded our total addressable market through several acquisitions. Looking forward, our objective is to sustainably grow earnings per share primarily by growing revenue, controlling expenses and focusing efforts on value-added projects."

### **GAAP Results**

On a generally accepted accounting principles (GAAP) basis, net income for the third quarter of fiscal 2010 was \$39.3 million, or \$0.26 per share, compared to \$47.4 million, or \$0.32 per share, for the third quarter of fiscal 2009.

### **Non-GAAP Results**

On a non-GAAP basis, net income for the third quarter of fiscal 2010 was \$58.2 million, or \$0.39 per share, compared to non-GAAP net income of \$68.3 million, or \$0.47 per share, for the third quarter of fiscal 2009.

### **Financial Targets**

Synopsys also provided its financial targets for the fourth quarter and full fiscal year 2010. These targets do not include future acquisition-related expenses that may be incurred in fiscal 2010. These targets constitute forward-looking information and are based on current expectations.

#### **Fourth Quarter of Fiscal Year 2010 Targets:**

- Revenue: \$349 million - \$357 million
- GAAP expenses: \$291 million - \$310 million
- Non-GAAP expenses: \$267 million - \$277 million
- Other income and expense: \$0 - \$3 million
- Tax rate applied in non-GAAP net income calculations: approximately 27 percent
- Fully diluted outstanding shares: 149 million - 153 million
- GAAP earnings per share: \$0.21 - \$0.27
- Non-GAAP earnings per share: \$0.37 - \$0.39

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- Revenue from backlog: greater than 90 percent

## **Full-Year Fiscal Year 2010 Targets:**

- Revenue: \$1.354 billion - \$1.362 billion
- Other income and expense: \$4 million - \$7 million
- Tax rate applied in non-GAAP net income calculations: approximately 27 percent
- Fully diluted outstanding shares: 149 million - 153 million
- GAAP earnings per share: \$1.61 - \$1.67
- Non-GAAP earnings per share: \$1.58 - \$1.60
- Cash flow from operations: approximately \$300 million

## **GAAP Reconciliation**

Synopsys continues to provide all information required in accordance with GAAP, but believes evaluating its ongoing operating results may not be as useful if an investor is limited to reviewing only GAAP financial measures. Accordingly, Synopsys presents non-GAAP financial measures in reporting its financial results to provide investors with an additional tool to evaluate Synopsys' operating results in a manner that focuses on what Synopsys believes to be its ongoing business operations and what Synopsys uses to evaluate its ongoing operations and for internal planning and forecasting purposes. Synopsys' management does not itself, nor does it suggest that investors should, consider such non-GAAP financial measures in isolation from, or as a substitute for, financial information prepared in accordance with GAAP. Synopsys' management believes it is useful for itself and investors to review, as applicable, both GAAP information that includes: (i) the amortization of acquired intangible assets; (ii) the impact of stock compensation; (iii) in-process research and development expenses, (iv) acquisition-related costs; (v) other significant items, including the effect of a tax benefit from a settlement with the Internal Revenue Service and a facility restructuring charge, and (vi) the income tax effect of non-GAAP pre-tax adjustments from the provision for income taxes; and the non-GAAP measures that exclude such information in order to assess the performance of Synopsys' business and for planning and forecasting in subsequent periods. Whenever Synopsys uses such a non-GAAP financial measure, it provides a reconciliation of the non-GAAP financial measure to the most closely applicable GAAP financial measure. Investors are encouraged to review the related GAAP financial measures and the reconciliation of these non-GAAP financial measures to their most directly comparable GAAP financial measure as detailed below.

## **Reconciliation of Third Quarter Fiscal Year 2010 Results**

For financial tables reconciling the specific items excluded from GAAP in the calculation of non-GAAP net income and earnings per share, please click [here](#).

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## **Implementation Investments**

*Catalog Data Solutions Catalog and CAD Downloads Selected by AST Bearings LLC*

17 August 2010

# CIMdata PLM Industry Summary

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[Catalog Data Solutions](#) (CDS) announced that AST Bearings LLC has launched their new website incorporating [CDS Catalog](#) and [CDS ModelServer](#) to present and aid online selection of products and CAD model downloads.

[AST® Bearings](#) is a supplier of miniature and precision bearing products, including engineering and design solutions, to enhance performance or reduce costs to a wide range of applications and industries. “Over the past few years, we’ve noticed that the buying process has changed. We recognized that customers now often research and select products online \*even before\* talking to a supplier. To support this change, AST is launching a new [online catalog](#) to make it easy to find the right bearing product and downloadable CAD models. This should save engineers and designers time as they specify products into their designs,” said Paul Wharton, Director of Marketing, AST Bearings. Enabling our customers to search our online catalog of over 7,700 bearing and related products with 3D CAD models is a first in the bearing industry. From our website, our customers can now easily find the right bearing for their design via a powerful parametric search that avoids the common search frustration of ‘no results found’.

Wharton continued, “We selected Catalog Data Solutions as our online catalog and online CAD service provider based on their proven Software as a Service technology, supporting professional services, ability to brand the solutions to AST Bearings, request for quote and CAD download integration into our [Selltis CRM system](#), and the ability to syndicate our catalog and 3D CAD content across the internet. We look forward to offering our customers this powerful new product search and selection experience.”

“AST Bearings is demonstrating thought leadership in the bearing industry and their implementation of this online technology is the most thorough and extensive we’ve seen to date. For example, in the Angular Contact Ball Bearing category (see TIFF image) AST Bearings offers 554 separate products. While that is a large number of products in a single sub-category, users can still easily and very rapidly search for the right product through a parametric search on attributes that include, ‘Bore Diameter’, ‘Outer Diameter’, ‘Width’, ‘Dynamic’ or ‘Static Load Rating,” said John Major, CEO Catalog Data Solutions. “AST Bearings are also right that the buying process has changed, that industrial suppliers need to appear in and influence online research by prospective customers and that CAD downloads are the best online content to offer. Of all types of online marketing content (e.g. white papers, case studies, brochures, videos, demos, recorded webinars, reviews, CAD model downloads, etc.) only one is known to lead to a sale nearly 50% of the time! CAD downloads may be the most efficient and effective website visitor conversion tool available.”

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## ***Delcam Software Helps Magna Succeed in Tough Times***

19 August 2010

[Delcam](#)’s PowerSHAPE design software and PowerMILL CAM system are helping Magna Advanced Technologies to continue its success despite the tough times that are currently being experienced in the automotive industry. With 70,000 employees worldwide and annual sales of \$23 billion, Magna is the largest automotive parts maker in North America. To see more, go to <http://www.delcam.tv/magna>.

“We focus on new technologies and new product development,” says Durward Smith, director of Magna’s facility in Aurora, Ontario. “The automotive market has always been tough and in the past year it’s become even tougher. Companies throughout the industry, Magna included, are looking to conserve capital expenditure where possible. We need our programs and processes to run as fast as possible to ensure that we maintain our competitive edge.”

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Magna purchased PowerSHAPE and PowerMILL not only to save time and money by making parts faster, better and less expensively. They're using it to do what they do best: innovate.

"We do everything from prototyping to tooling so we're constantly changing direction," stated project leader Paul Miranda, a designer of many of Magna's inventive and inspired creations. "It's really easy with PowerSHAPE and PowerMILL to just go back and forth between them, for example, if I'm machining a part and want to cover up holes and extend surfaces. I'm also able to quickly export the results from PowerMILL to Vericut to check for any sign of collisions and make sure I don't have any accidents on the machine."

PowerMILL offers powerful editing tools to cope with the different demands of the various projects. "You're able to trim toolpaths on the fly," added Mr. Miranda. "I've used several software programs in the past," he continued. "PowerMILL is by far the quickest and easiest to use."

Mr. Miranda credited PowerMILL's five-axis capabilities for the success of one recent project. A designer wanted to combine two parts into one. Magna staff told him they could do that while saving him money and creating a better part using PowerMILL and PowerSHAPE. "You can just imagine the cost efficiency there," said Mr. Miranda. "He was quite pleased when he was able to put those two parts together."

Mr. Miranda is also excited about the partnership he, Magna and Delcam have built over the years. "We work very closely with Delcam to come up with the best posts for our machines," he explained. "They're always willing to help and always just a phone call away."

"A loyal and strong partner is going to be there today and tomorrow" adds Prototype Manager Stanley Tomczak. "If we have any problems, we can solve them quickly together."

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## ***Intevac Photonics Selects Camstar Platform to Enable Rapid Growth and Innovation***

17 August 2010

[Camstar Systems, Inc.](#) announced that Intevac, a supplier of leading edge, high-sensitivity imaging products and vision systems, has selected the Camstar Enterprise Platform™ to accelerate new product introduction, drive quality initiatives and streamline regulatory compliance. The deployment of the Camstar Enterprise Platform at [Intevac Photonics](#), Inc. in Santa Clara, CA, will include: Manufacturing Execution (MES) and Statistical Process Control (SPC), Quality Management (QMS) – including Corrective and Preventive Action (CAPA) Management and Nonconformance Management – and Operational Intelligence capabilities.

"Intevac Photonics is developing and delivering new products at a rapid pace to meet the critical needs of military, industrial and scientific businesses," said Tim Justyn, VP of Operations at Intevac Photonics. "The Camstar Platform is essential for us to continue this rate of growth while ensuring top product quality and adherence to regulatory requirements. The Platform is a solid and proven foundation in our overall manufacturing infrastructure that drives our closed-loop quality processes and our manufacturing improvements."

"We evaluated a number of options, and the Camstar Platform clearly supports our current requirements," said Ruth Updegraff, Manager of Business Process at Intevac. "We have developed a strong relationship with Camstar, and expect a beneficial partnership for years to come."

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## ***Largest US Yacht Engineered With ShipConstructor***

18 August 2010

ShipConstructor CAD/CAM software was used for the production engineering and detail design of the recently launched mega-yacht, Cakewalk.

At 281 feet (85.6m) and 2,950 tons, she is the largest yacht built in America since the 1930s, and possibly the biggest ever built in the country when measured by volume.

Cakewalk, built by Derecktor Shipyards, was launched August 8 in Bridgeport, Connecticut.

The marine design consultancy firm BMT Nigel Gee of Southampton, UK utilized ShipConstructor's AutoCAD based shipbuilding CAD/CAM software for the detail design of the hull as well as for the distributed systems within the main steel structure, e.g. the engine room.

Gibbs & Cox, a Virginia-based marine engineering firm, also utilized ShipConstructor software for modeling the systems within the yacht's superstructure.

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## ***Leading Software Provider Tukatech, Inc. Completes Implementation with American Apparel to Reduce Costs and Increase Production Efficiency***

17 August 2010

Tukatech, Inc. announced a successful software implementation as part of a new partnership with US garment manufacturer and retailer American Apparel.

"We chose Tukatech for their strong reputation as a leading technology provider, and have already seen savings of \$4-5 million annually from implementing their software and consulting services," said Dov Charney, Founder-CEO of American Apparel.

American Apparel is utilizing TUKAcad, Tukatech's apparel CAD software, for product development and manufacturing. Tukatech also provided American Apparel with manufacturing consulting to increase production and meet the demand of their 280 retail stores and e-commerce site. The company is now looking to further partner with [Tukatech](#) in the areas of 3D virtual prototyping and 3D design.

"Tukatech's software allowed us to streamline our cutting room operations, save fabric costs, and increase efficiency in key product development areas," explained Charney. "With their amazing support, 24/7 availability, and easy-to-use software, we were able to see increases in production within weeks. Now we plan to tap into Tukatech's 3D systems to extend our design capabilities and experiment in ways we never thought possible."

American Apparel is also utilizing SMARTmark, a TUKAcad module, for marker making processes. SMARTmark works automatically to produce markers in minutes that minimize the use of fabric. The software can also queue many markers at a time, do ratio or single-size markers, use bump lines to control markers on fabric with shade variations, calculate yields, create sharable reports, and much more.

[American Apparel](#) produces over 1 million garments a week. However, with increasing demand here and abroad, in stores and on the web, there was a need to increase production efficiency.

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## ***Mustad Longline Uses SolidWorks to Exponentially Increase Productivity***

16 August 2010

SolidWorks® software is helping a Norwegian company design and produce environmentally friendly fishing equipment fast enough to meet customer demands.

[Mustad Longline](#) is the world's largest manufacturer of longline fishing equipment, which is an alternative to environmentally destructive bottom trawling nets. Mustad Longline, launched in 1972, revolutionized and automated longline fishing practices that had been performed by hand for hundreds of years. Today, the company employs 60 people and holds more than 90 percent of the world longline market share.

SolidWorks enables Mustad engineers to drive new product development and modification more efficiently than they could with their previous design software, according to Mustad Longline Product Developer Geir Rogne.

“Our engineers were working with 2D CAD software, and they had a hard time keeping up with the productivity we required. We needed to figure out a solution other than hiring more and more engineers,” Rogne said.

“With SolidWorks, we can now produce more than we could before. It's an amazing difference, and it's not just the speed that has improved. The accuracy has been much better, and we can now skip one phase of testing and move directly from prototype to manufacturing.”

The SolidWorks family of solutions are woven into Mustad's product development process from design through production. The company designs its entire product line, including fishing lines, baiting machines, line haulers, and cleaners, with SolidWorks CAD software. Mustad's engineers simulate their designs in SolidWorks to identify collisions and interferences, enabling them to make corrections early in the process.

Correcting errors before they reach production cuts cost and time from the development process. SolidWorks Enterprise PDM stores all of Mustad's design data, provides version control, and enables engineers to quickly find and reuse existing designs. The company uses 3DVIA Composer to produce instruction manuals and other supporting documents directly from CAD models. That saves the step of re-creating the CAD models manually in a graphics application, accelerating time to market.

“Predicting and correcting errors, simulating a design's operation, re-using information, producing accurate documentation quickly ... those tasks can make the product development process faster, more accurate, and profitable given the right tools,” said Simon Booker, vice president of marketing for EMEA at Dassault Systèmes SolidWorks Corp. “SolidWorks gives Mustad all of those functions and more in an integrated environment so they can focus on innovation and creativity instead of process.”

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## ***Synventive Standardizes on Autodesk Moldflow Insight to Improve Product Quality***

18 August 2010

# CIMdata PLM Industry Summary

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Synventive Molding Solutions, one of the world's leading manufacturers of [hot runner systems](#) and components, has standardized on [Autodesk Moldflow Insight](#) software globally to deliver higher quality, more optimized solutions for its customers.

Synventive recently expanded its deployment of Autodesk Moldflow Insight software from Autodesk, Inc. to achieve a higher level of accuracy for its customized plastics injection molding applications, spanning operations in the U.S., Germany and China. Autodesk Moldflow Insight software, part of the Autodesk solution for [Digital Prototyping](#), offers Synventive enhanced performance, accuracy and interoperability with its computer-aided design (CAD) application. As a result, Synventive's 120 engineers can apply "what-if" scenarios and more easily foresee and resolve product defects before production begins — thereby producing higher quality products in a shorter amount of time.

Synventive, which caters to a wide variety of industries, including automotive, electronics, medical and more, prides itself on being committed to its customers' success and providing industry-leading support and service. "We take a consultative approach with our customers, so when they come to us with an idea for a product we work with them to make it even better," said Brian Bechard, president, North America at Synventive. "Autodesk Moldflow Insight software is key to our value-add by allowing us to simulate and optimize solutions before production. With Autodesk Moldflow Insight, we can help our customers develop and deliver a better product."

In addition to tremendous quality improvements, Synventive is also enjoying the benefits of faster overall design and production times with Autodesk Moldflow Insight software. In one case, Synventive was able to step in for a supplier to a major automotive manufacturer and deliver several highly customized hot runner systems in less than four weeks, a very tight deadline for a particularly challenging application. Synventive met the deadline, designed and manufactured manifolds that exceeded expectations, and became the preferred source of hot runners for the new customer.

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## ***Tesla Motors Selects DCS Tolerance Analysis Solution in Mission to be First in Quality***

17 August 2010

Dimensional Control Systems, Inc. ([DCS](#)), provider of dimensional engineering software solutions and consulting services, announced that Tesla Motors has selected 1DCS and 3DCS solutions to provide tolerance analysis as part of the company's commitment to lead the automotive industry in quality with the development of the Model S.

Tesla, the electric vehicle manufacturer based in Palo Alto, California, launched 1DCS and 3DCS in late spring. Tesla's design engineers are using 1DCS in the earliest stages of product development to explore hypothetical designs for rapid evaluation and iteration throughout development of the Model S. 3DCS will provide the tools to run precise tolerance analyses of the Model S design and the associated manufacturing process using the Functional Tolerancing and Analysis (FTA) process in CATIA.

"We are pushing the automotive and engineering limits at Tesla in our development of the Model S," said Tesla Motors Dimensional Engineering Manager Steve Bannasch. "To ensure our cars are first in quality, we must be the very best in fit and finish. DCS allows us to achieve our goals without adding unnecessary cost."

"Their solution is completely integrated with CATIA and provides the most flexibility of design,"

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continued Bannasch. “The DCS team has clearly taken the time to research the differences between rigid and flexible materials and the impact they have on tolerances.”

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## **2010 Tekla North America BIM Award Winners**

18 August 2010

Tekla Structures includes an accurate, dynamic and data-rich 3D environment, the benefits of which are evident for the above projects and in all the building information models that were submitted for the [2010 Tekla North America BIM Awards](#).

Each year Tekla hosts a North America BIM Award competition (previously called Model Competition) open to all Tekla Structures users who have modeled projects with the software during the preceding year. The BIM Awards competition is held in conjunction with Tekla's Annual North American User Meeting, which this year took place in Atlanta, Georgia, August 12-14.

The growing popularity of [Tekla Structures](#) and the adoption of 3D modeling attracted a record number of Tekla Structures users to submit their 3D models. Twenty-six building information models were submitted in four categories:

**[Category 1](#) - Industrial/Civil Model – Steel and/or Concrete**

**[Category 2](#) - Commercial/Institutional Model - Steel**

**[Category 3](#) - Commercial/Institutional Model - Concrete**

**[Category 4](#) - Collaborative Project**

Participants submitted web models, descriptions of their projects, photos, and other supporting material. Online web models allowed website visitors to peruse through the many projects. Online voting opened to the public prior to the 2010 Tekla North American User Meeting.

The winners for each category were announced at the closing of the User Meeting. Each winning company received a Tekla Structures Viewer license and two free tickets to next year's User Meeting.

View these winners and all submissions at: <http://www.tekla.com/us/Pages/2010BIMAWards.aspx>

### **Category 1 Winner - M3 Engineering, Mercedes Mine**

This project consists of the crushing and milling circuit for the Mercedes Gold Processing Plant in Northern Mexico. Fabrication drawings will be produced not only for the primary structural steel, but also the mechanical bins, hoppers, chutes, and the material conveying system. Approximately 500 metric tons of structural steel, grating, handrails, and stairs will be fabricated in this project as well as approximately 200 metric tons of mechanical steel fabricated from the model.

Tekla Structures is integral in the successful detailing, fabrication, and construction of this structure. Use of Tekla Structures allows for an accelerated schedule and assures fit-up and compatibility with the many vendor components. The Tekla Structures 3D model illustrates the advantage of including all the non-structural materials and mechanical equipment in order to achieve a fully integrated BIM process.

### **Category 2 Winner - Technyx Canam, Pittsburgh Arena**

The Pittsburgh Arena (Consol Energy Center) was started in June 2008 and completed in October 2009. This arena has a hockey seating capacity of 18,000 and will welcome its first visitors in August 2010.

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Technyx Canam used Tekla Structures for precast concrete modeling and shared the model with the deck provider. Tekla Structures helped with the overall coordination of the project and the reduction of errors in the field.

The main challenge in the project was the trusses. They were over 300 feet long and needed to be cambered in the 3D model. All pieces in between or attached to the trusses were detailed in cambered position. There was also over 2,000 linear feet of catwalks that passed in between the bottom chord and the top chord of the trusses. The project ended up being 7,200 tons with a total of 6,300 shop drawings.

This was a large project with a tight schedule. The model had to be split into eight parts to manage the job over the different drafting rooms that worked on the project. Tekla's new Model Sharing functionality was used to synchronize between two different drafting rooms that were working on the same model at the same time. This saved time because more people were able to work within the same model.

Technyx Canam entered the precast in the model from the contract drawings and observed interferences that could occur with the steel. When there were interferences that occurred, those concerned were informed using RFI and 3D HTML views from Tekla Structures. By doing this, a lot of problems were solved ahead of time that could have occurred in the field. The deck provider used the Tekla model files to detail the deck. With that, they received different information that facilitated their task and also saved a lot of time.

Every piece of steel was detailed and checked in Tekla Structures, and CNC transfers were used to fabricate all the components. By doing this, the risk of error was reduced to a minimum and everything fitted well in the field.

## **Category 3 Winner- Newcrete Products, The New Pittsburgh Arena Parking Garage**

This project is a parking structures which services the new Consol Energy Center; home of the Pittsburgh Penguins (NHL). The structure is 157,945 square feet, a footprint of 335'x 127', with 4 elevated levels and 1 on-grade level. The structure is entirely precast concrete with the exception of cast-in-place foundations and some steel framing in the stair towers. There are a total of 440 precast pieces including: architectural spandrels, columns, wall panels, double tees, slabs, inverted tee beams, rectangular moment beams, and light walls.

All of the precast construction documentation was created using [Tekla](#) Structures. Intricate V-shaped reveal patterns on spandrels presented an interesting challenge. The Tekla Structures model helped the precast team root out conflicts that were not detected by other project team members using 2D workflows and design documentation techniques.

## **Category 4 Winner - DPR Construction, Sutter Medical Center - Castro Valley,**

Sutter Medical Center Castro Valley (SMCCV) is a 130 bed replacement hospital currently under construction. Completion is scheduled for in June of 2012. The estimated maximum price set for this project is \$320 Million. The seven story building is a composite steel and concrete framed structure. The structural design of this building is considerably more complex due to the new seismic requirements set forth in California's legislation. This fast track project is scheduled to be delivered 30% faster than comparable healthcare projects in California. This schedule would not be possible without the use of BIM technologies and the 11-party Integrated Project Delivery (IPD) team. This team has been working together since 2008 to build a completely coordinated and constructible model that will eventually get passed onto the owner for facilities management use.

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## Product News

### ***Actify Announces SpinFire 9.0***

17 August 2010

Actify Inc. announced that its latest major release of its flagship product will ship to customers in September, providing significant enhancements to one of the most advanced visual communication tools available for the automotive, aerospace, industrial automation and discrete manufacturing industries.

SpinFire 9.0 users will benefit from a number of significant enhancements. This is the first release containing elements of a re-architecture designed to take SpinFire forward. In particular, users will benefit from:

- Loading of larger assemblies
- Performance improvements due to multiple levels of details
- Improved data fidelity due to the use of new importer technology
- Broader hardware support, including older graphics hardware
- Enhanced Markup features for notes and dimensions added to a part or assembly, now can be placed on a surface
- Windows7 logo certification

In addition, a large number of customer-requested changes have also been incorporated. Updated versions of all SpinFire plug-ins will also be shipping. SpinFire has also been integrated into SharePoint thus allowing users of Microsoft's collaboration platform greater access, communication and distribution of multiple CAD formats throughout the enterprise and supply chain. This provides new capability for SharePoint users by allowing companies to realize cost savings and productivity gains in all facets of product design, procurement, quoting and estimating, manufacturing, sales, marketing and support. Those customers desiring an even higher level of integration should contact Actify and inquire about a DesignShare presentation.

SpinFire 9.0 is currently in preview with resellers and partners all over the world, and will be shipping to customers in September. Pricing starts at \$499. A free trial version of SpinFire 9.0 will be available for download at <http://www.actify.com> or call 415.227.3800.

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### ***ANSYS Integrates Advanced Fatigue Capabilities from HBM- nCode***

19 August 2010

Design optimization from [ANSYS, Inc.](#) now incorporates the advanced fatigue capabilities of [nCode](#)

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[DesignLife™](#), a leading durability software from HBM used by OEMs and their suppliers around the world. ANSYS® nCode DesignLife technology leverages the open architecture of the ANSYS platform and enables mechanical engineers to more easily address complex product life and durability issues, all before a prototype is ever built.

Fatigue occurs over time as a product's materials are stressed repeatedly by usage. Engineering simulation analysis using ANSYS nCode DesignLife technology helps product development groups avoid such in-field failures along with resulting warranty problems, costs and possible negative publicity. It also helps reduce raw material expenses that can result from product overdesign.

The combination of the [ANSYS Workbench](#) platform and nCode DesignLife creates a simulation environment in which fatigue analysis can be added to the engineering simulation process using the ANSYS standard drag-and-drop interface. Engineers can perform parametric studies and ask what-if questions about how a design will perform in the real-world environment. Fatigue analysis is inherently statistical in nature, and assessing the variation of inputs provides greater insight into the predicted results.

“Today, most product designs survive initial deployment, partly because engineering simulation tools can accurately predict stresses. As a result, developers can address cost and performance issues by optimizing their designs around raw materials and manufacturing processes,” said Joe Solecki, vice president, physics business unit at ANSYS. “However, consumers potentially use products over longer periods — and often in more rigorous environments — than initially designed for, which can affect long-term durability. Advanced fatigue analysis can address these issues, even before prototype testing. Through our partnership with HBM-nCode, ANSYS is adding to its mechanical simulation tools, bringing product developers world-class durability analysis.”

“The benefit of avoiding an in-service failure is enormous, both in terms of public image and actual costs associated with the failure,” said Steve Tudberry, vice president of nCode Software Products for HBM. “Our new ANSYS nCode DesignLife product offers a strategic and substantial benefit to our joint customers, answering durability questions through high-end fatigue analysis capabilities. The ANSYS Workbench schematic integrates all the parameters to enable global optimization — including CAD parameters. This allows users to optimize material usage while still meeting durability goals.”

Design engineers can learn more about ANSYS nCode DesignLife 12.1 during [webinars](#) at 11 a.m. and 9 p.m. EDT Aug. 26. Topics include fatigue life prediction using ANSYS nCode DesignLife based on ANSYS mechanical results combined with complete usage schedules.

## **About HBM-nCode**

Providing over 25 years of expertise in durability and data analysis, HBM-nCode products have been the leading brand for providing solutions to understand product performance, accelerate product development and improve design to a broad range of industries. In use by major OEMs and their suppliers around the world, DesignLife is an easy to use, powerful and flexible CAE/FEA fatigue and durability software. The technology provides a wide range of loading options to simulate real-world problems including complete duty cycles of multiple events and vibration fatigue from harmonic stress results. For more information, visit [www.hbm.com/ncode](http://www.hbm.com/ncode).

nCode is a brand of HBM, a world-wide technology and market leader, offering products and services across the entire measurement spectrum, from virtual to physical.

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## ***ASCON Group and DP Technology Corp. Announce a New Development Partnership***

17 August 2010

ASCON Group, developer and integrator of Mechanical CAD solution - KOMPAS-3D, signed a partnership agreement with DP Technology Corp.

Now all the users of both software will be able to benefit from complex, professional and cost-effective CAD/CAM solution set. KOMPAS-3D is a high-end, easy learning and powerful mechanical computer aided design system for 3D solid modelling and 2D design. ESPRIT is a high-performance, full-spectrum, computer-aided manufacturing system for a full range of machine tool applications. Together they offer designers and engineers all over the world even more abilities for their work and direct integration of both softwares. Users will get high-level technical support, training and consulting in any questions regarding implementation and collaboration of KOMPAS-3D and ESPRIT.

David Meynaud, market development of DP Technology Corp. in Europe: “We are glad our cooperation start with ASCON Group and are sure, that together we'll offer an unique complex CAD/CAM solution at a reasonable price. Already now users of ESPRIT are able direct to open KOMPAS-3D native(.m3d) files and engineers of both companies continue to work at even closer integration of the software solutions”.

Have a look at a video with integration of KOMPAS-3D and ESPRIT:

<http://www.youtube.com/watch?v=5qjzRZm7dgc>

For further information about ASCON and KOMPAS-3D please visit <http://www.ascon.net>

For further information about DP Technology and ESPRIT, please, visit <http://www.dptechnology.com>

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## ***Bentley Adds Three Product Firsts to OpenPlant, Redefining ‘Comprehensiveness’ in Plant Creation Software***

18 August 2010

Bentley Systems, Incorporated announced the immediate availability of three new products in Bentley’s OpenPlant software for plant creation based on an open data model. The new plant offerings from Bentley are the first commercially available products to share and meet the primary goal of the iRING user community (<http://www.iringug.org>) – that is, to enable real-time, seamless sharing and interoperability of data and information across different organizations and systems using an internationally recognized standard. iRING implementations (ISO 15926 Real-Time Interoperable Network Grids) address the challenging workflow requirements of today’s globally distributed and sourced plant projects. Among the firms actively involved in the iRING community are Bayer, Bechtel, CH2M HILL, Consolidated Contractors Company, Dow, DuPont, Emerson, Fluor, Hatch, and Zachry. The new plant applications from Bentley enhance interoperability across data formats, workflows, and plant design systems, and add to the comprehensiveness of Bentley OpenPlant – extending its ability to integrate across multiple infrastructure disciplines while improving project team collaboration and providing breakthrough value.

Regarding the new OpenPlant products, Bruce Strupp, CPE-design technology director, CH2M HILL, a leading provider of the full spectrum of consulting, program management, design, construction, and operations solutions, said, “CH2M HILL has been an active member and participant in both FIATECH

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and, more recently, the iRING community of users. We're committed to the goals of these organizations to achieve true interoperability and deliver business value through ISO 15926, and are delighted to see Bentley standing up to meet these challenges. The capabilities being delivered by Bentley with these new products are what the iRING community has been waiting for."

The three new Bentley OpenPlant products being released today include:

**Bentley OpenPlant Modeler V8i** – the first 3D plant modeling software to natively use the ISO 15926 data model as specified by the iRING user community. OpenPlant Modeler V8i incorporates the ongoing and ever-advancing capabilities of MicroStation V8i, a platform for plant creation and every infrastructure discipline. OpenPlant Modeler V8i is the only plant modeling software to natively support workflows that combine commonly used software standards including DGN, RealDWG, point clouds, and PDF.

**Bentley OpenPlant ModelServer V8i** – the first plant design server software to effectively and productively manage *both files and components* – ideal for globally sourced projects that are necessarily loosely "coupled." File management, enabled by Bentley's ProjectWise collaboration services, is essential for the efficient exchange of deliverables and work packages, while at the same time, component management supports a higher level of abstraction, productivity, and quality of work. Projects using Bentley OpenPlant ModelServer V8i can benefit from yet another first: interoperable workflows across multiple design environments, including Intergraph's PDS as well as Bentley's AutoPLANT and PlantSpace.

**Bentley OpenPlant Isometrics Manager V8i** – the first isometrics generation software to extract and incorporate complete intelligence from 3D plant models, automatically and in real time. Uniquely, such "on demand" intelligent isometric views remain relevant for owner-operators throughout the plant lifecycle – beyond procurement, fabrication, and construction to "as built" and "as safely operated" maintenance and compliance.

Bentley's new OpenPlant offerings also provide breakthrough value, with new Bentley subscriptions (<http://www.bentley.com/subscriptions>) typically costing less than the Unix-era maintenance fees of other vendors' proprietary piping design systems. For example, with Bentley's *Designer for Piping* Passport Subscription (OpenPlant), individual piping designers gain access to Bentley OpenPlant Modeler, Bentley OpenPlant Isometrics Manager, ProSteel Modeler, ProjectWise Passport, and ProjectWise Clash Resolution Visa – plus complete virtual training – for the single annual fee of \$5,995. Value-creative pricing is also available to those acquiring Bentley OpenPlant products through perpetual licenses, which cost \$7,295 for OpenPlant Modeler V8i, \$25,000 for OpenPlant ModelServer V8i, and \$6,500 for OpenPlant Isometrics Manager V8i.

Commenting on the new offerings, Bhupinder Singh, senior vice president, Bentley Software, said, "Bentley announced its OpenPlant strategy for enhanced interoperability in 2008. In 2009, the iRING user community demonstrated, using prototype software, the benefits of interoperability achievable with a full technical implementation of ISO 15926. Leveraging our MicroStation and ProjectWise platforms, the new OpenPlant applications enable users to achieve that level of real-time interoperability by using software that's now commercially available – dramatically increasing the quality, cost-effectiveness, and freedom with which plant projects can be performed."

Added Anne-Marie Walters, Bentley global marketing director, "Our new additions to OpenPlant are key facets of our 'Smart Plan' (<http://www.bentley.com/SmartPlan>) for PDS users that we introduced in

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March. The plan provides users of PDS software around the world with an economical migration path that protects their knowledge investments and enables them to reuse their catalogs, specifications, and PDS databases.

Today's commercial release of Bentley's new OpenPlant applications has been highly anticipated by Bentley users. Said Jeanine Hargis, CH2M HILL senior technologist, "CH2M HILL recently completed Bentley's early access program for the new OpenPlant products, which I see providing opportunities to add value to the project delivery process. We are a global delivery firm focusing in six key markets, so having data-open software that's compatible with the core tools used on multidiscipline and cross business group projects, such as PDS, AutoPLANT, and PlantSpace, is something we're really looking forward to."

Added Brent Mauti, CH2M HILL architect and BIM leader, "I'm impressed with the interoperability that OpenPlant products provide across platforms and business streams, and I will be implementing these products across my business group. As a multidisciplinary firm, our architectural, structural, civil, and piping disciplines and tools for any given project all have to talk to each other. With OpenPlant products, all the tools use the same platform, leverage the same dynamic views and data sources, and provide a single hub of information, helping to improve efficiencies."

The versatile and productive **OpenPlant Modeler V8i** provides functionality for piping and equipment, and serves all of the other disciplines involved in real-world plant design projects through Bentley's V8i intraoperable applications for civil, construction, environmental, building and HVAC, electrical, structural, instrumentation, and process design requirements. OpenPlant Modeler V8i offers infrastructure organizations the ability to:

- rapidly and easily create 3D models using the intuitive MicroStation V8i user interface,
- easily reuse corporate standards, including piping catalogs and specifications from PDS, AutoPLANT, and PlantSpace, facilitating faster project start-ups and continuity of design;
- review and augment existing PDS designs, through ISO 15926 protocols and/or i-models, to escape proprietary lock-in;
- cut IT costs and meet new budget imperatives.

**OpenPlant ModelServer V8i** can automatically migrate PDS models, piping catalogs, and piping specifications so data can be reused for design modifications. In addition, it lets infrastructure organizations around the world:

- empower individual users to easily check out the information they need to work on – wherever they are located – and maintain tight version control for all deliverables;
- quickly create reports from any and all project components, enabling the tracking and management of design work distributed to teams;
- simultaneously manage all *files and components* on a project, reducing both collaboration costs and errors;
- securely administer project contributions across disciplines.

**OpenPlant Isometrics Manager V8i** provides management control capabilities for pipe models and isometrics from OpenPlant, Bentley plant products, and PDS. It offers users:

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- automatic versioning and global distribution of isometrics using ProjectWise;
- the ability to easily create intelligent isometrics that contain component information from multiple sources.

This new functionality is valuable to not only designers and constructors, but also owner-operators, who can use it to automatically, and in real-time, generate required legal and useful documentation from as-built 3D models.

Bentley also announced today the next versions of [Bentley OpenPlant PowerPID V8i](#) and [ProjectWise PDx Dynamic Review Service V8i](#). Bentley OpenPlant PowerPID V8i is the only commercial software for process and instrumentation diagrams to be based on a completely open data model. The V8i (SELECTseries 3) version adds support for ProjectWise Managed Workspaces and common specifications/catalogs, and shares the same iRING-enabling schema with OpenPlant Modeler. ProjectWise PDx Dynamic Review Service V8i enables real-time interactive workflows to visualize, query, analyze, and annotate complete PDS data, and to extract i-models and V8 DGN files directly and completely from the PDS relational database.

Bentley's OpenPlant products are featured in the following Bentley Passport Subscriptions:

- *Designer for P&ID* Passport Subscription
- *Process Engineer for Feed* Passport Subscription
- *Designer for Piping* Passport Subscription (OpenPlant)
- *Mechanical Engineer for Piping* Passport Subscription (OpenPlant)
- *Designer for Piping* Passport Subscription (AutoPLANT) – includes Bentley OpenPlant PowerPID V8i
- *Mechanical Engineer for Piping* Passport Subscription (AutoPLANT) – includes Bentley OpenPlant PowerPID V8i

Bentley Passport Subscriptions offer named users an affordable alternative to perpetual license purchases. Through these “professional upgrades” in software toolsets and skills, individual practitioners quickly make their work more valuable. For additional information about these and other Bentley Passport Subscriptions, visit <http://www.bentley.com/subscriptions>.

For additional information about Bentley's OpenPlant products, visit <http://www.bentley.com/openminds>. For additional information about Bentley's “*Smart Plan*” for PDS users and to read the white paper “Making PDS Interoperable,” visit <http://www.bentley.com/SmartPlan>.

All prices noted are for the U.S. For global pricing information, please contact Bentley at <http://www.bentley.com/>.

## About iRING

iRING (ISO 15926 Real-Time Interoperability Network Grid) is a set of information interoperability and integration protocols and reference data that are compliant with ISO 15926, Parts 7, 8, and 9 standards, which builds and depends on ISO 15926 Parts 1 - 6.

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The iRING User Group is an open online community of users, companies, and organizations that use, are considering using, or are developing or deploying iRING protocols. The iRING User Group is also responsible for the management, enhancement, and maintenance of iRING Tools and iRING Sandbox. For more information about iRING, go to <http://www.iringug.org>.

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## ***IronCAD, LLC Announces the Official Start of the IRONCAD 2011 Beta Program***

18 August 2010

IronCAD, LLC announced the immediate start of the IRONCAD 2011 Beta Program that is open to current supported customers and evaluation users. In IRONCAD 2011, there are many advances in the overall productivity of the design process throughout the application. Users will instantly notice an improvement in performance due to enhancements in memory management and the graphical real-time rendering engine. In addition, the 2011 development team focused on productivity improvements such as the Instant Access Commands placed on the cursor at the context of the given operation. User can access relevant commands based on the current action without spending time navigating toolbars and menus.

"The IRONCAD 2011 focus was to improve the overall efficiency that users experience when working in the application and the Beta Version demonstrates this achievement" stated Cary O'Connor, V.P. of Marketing. "IRONCAD has been known for its ease of use and productive environment. However, there are always improvements that can take users to the next level in getting their products to market faster. IRONCAD 2011 along with other offerings slated with the IRONCAD 2011 release will demonstrate how the IronCAD Design Solutions can improve design efficiency in the MCAD market even today." he continued.

Expanding beyond productivity and performance improvements, IRONCAD 2011 also extends the core modeling and detailing strengths of the product allowing users to expand the capabilities of their designs. Key highlights include the following:

- Dynamic User Interface Access Improvements Including:
  - Feature Editing Direct Access Outside of Editing Mode
  - Constraint Dimension Direct Access Outside of Editing Mode
- Sheet Metal Design Improvements Including:
  - Lofted Sheet Metal Part Creation and Editing
  - Unfold Developable Part Surface Support for Imported and Native Solid/Surface Models
  - Custom Sheet Metal Forming Feature Creation Capability
- Weldment/Structural Steel Application Improvements
- Core Modeling Enhancements Including:
  - Pattern Feature Support for Offset and Sketch Driven Patterns

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- Rib and Emboss Feature Support
- 2D Detailing Improvements Including:
  - DWG/DXF 2010 Import/Export Support
  - Improvement in 3D Projected View Associations and Modification Tools in 2D
  - External Drawing Reference Support for Drawings and Raster Images
  - Improvements in BOM Access and Editing Controls
  - Many Improvements in Standard 2D Detailing Capabilities Such As:
    - Custom Defined Line Type Support
    - Ray and Infinite Line Creation Support
    - Mathematical Expression Support in Command Line
- Enhanced Communication Capabilities in Rendering and Animation Including:
  - Real-time Realistic Graphical Display Improvements such as Ambient Occlusion Lighting, Real-time Background Reflections and Bump Maps, Real-time Directional and Spot Light Generated Shadows, Fast Silhouette Edge Definitions, and Bloom Lens Lighting Effects to Provide Quick Realism in a Real-time Rendering Mode
  - Animation Improvements Supporting 2D/3D Curve Created Paths, In-time Animation Path Creation, Mechanism Enabled Animations, and Extended Timeline Editing

A complete list of new features can be accessed within the IRONCAD 2011 Beta Program. To find more information about participating in the IRONCAD 2011 Beta Program, please contact an IronCAD Authorized Reseller or the IronCAD Sales Team at [sales@ironcad.com](mailto:sales@ironcad.com).

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## ***MSC.Software and ACUSIM Announce Direct Coupling of MD Nastran and AcuSolve for Fluid-Structure Interaction Analysis***

19 August 2010

MSC.Software and [ACUSIM Software, Inc.](#), a leading provider of computational fluid dynamics (CFD) solutions and developer of [AcuSolve™](#), announced the direct coupling of AcuSolve with MD Nastran for Fluid-Structure Interaction (FSI) simulations.

Utilizing MSC.Software's OpenFSI™ Interface, the structural and fluids solutions communicate without third-party software and enable an efficient solution for problems requiring complex fluid-structure interaction modeling.

"We are thrilled to support MSC.Software's OpenFSI Initiative and be the chosen CFD solution for [MD Nastran's](#) new FSI capability," said Dr. Farzin Shakib, founder and CEO of ACUSIM software.

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"Through this partnership, our mutual customers will now be able to benefit from this directly coupled FSI solution, and the added capabilities with MD Nastran, to more efficiently solve a wide variety of problems that were previously not possible."

"Coupling with a leading CFD solver such as ACUSIM's AcuSolve adds advanced fluid-structure interaction capabilities to the existing coupled physics capabilities in MD Nastran," said Sanjay Choudhry, Vice President of Product & Release Management at MSC.Software. "As a result, FSI problems in Aerospace, Automotive, Energy, Biomedical and other industries can now be solved as a coherent model, where the fluid dynamics and structural dynamics interact in concert allowing force-displacement data communication at each time step for true coupling."

An integrated simulation system with a broad set of multidiscipline analysis capabilities, MD Nastran enables product manufacturers to simulate everything from a single part to complex assemblies. MSC.Software's OpenFSI Interface enables coupling of MD Nastran with CFD solvers or other external services that implement the published APIs. Applications like automotive door seal aspiration, shock absorbers, flexible aircraft wings, aeroelasticity, wind turbines and heart valves benefit from reliable FSI simulations.

As the leader in FSI technology and the most established FSI solution provider in the CFD market, ACUSIM is the first company to offer direct coupled FSI technology and solutions, enabling the most accurate and robust results, and best-in-class solutions for solving complex multidisciplinary design problems involving coupled fluid flow and structure phenomena.

AcuSolve provides two powerful capabilities for simulating Fluid-Structure Interaction and response to fluid forces, implemented with MD Nastran:

- **Practical FSI (P-FSI):** predicts linear solid/structural responses.
- **Direct-coupled FSI (DC-FSI):** predicts large deformation and non-linear solid/structural responses.

MSC.Software and ACUSIM will be demonstrating AcuSolve's direct coupling with MD Nastran during the upcoming webinar, "MD Nastran and AcuSolve coupling in [SimXpert 2010](#) for industry leading FSI Simulations," scheduled for August 31 at 5:30 a.m. PDT and 10:30 a.m. PDT. To register for the free webinar, please visit: <http://pages.mscsoftware.com/OpenFSIinMDNastran.html>



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## ***Visual 2000 Partners with Skerpa Design to Raise the Bar for Footwear PLM***

13 August 2010

[Visual 2000 International Inc.](#) is partnering with noted footwear design and development consultants Skerpa Design (<http://www.skerpadesign.com>) to create a next-generation product lifecycle management (PLM) solution for the footwear industry. The new footwear-specific PLM is based on Visual 2000's VisualPLM.net®, a comprehensive PLM solution proven in the fashion and softgoods industries. To be released this month, the new footwear edition promises to provide footwear retailers, brands, and manufacturers with a best-fit solution for managing their merchandising, design, product development, pre-production, and sourcing processes.

"We are greatly benefitting from the footwear process guidance and insight that Skerpa Design brings to

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this important business solution,” stated Charles Benoualid vice president of research and development. “While our fashion product has always been configurable to the needs of footwear clients, we saw an opportunity for these companies to achieve faster speed to benefit through a packaged solution tailored specifically for this market. With their deep and diverse experience from first sketches to final samples, Skerpa Design was the perfect resource to assist us in the development of this exciting product. As the first truly dedicated PLM solution for footwear, this new industry-tailored edition goes beyond standard PLM functionality to deliver unequalled benefits though out-of-the-box footwear best practices.”

Built around a team of international and multidisciplinary specialists, Skerpa Design specializes in design and development of footwear for sporting and outdoor markets. The company’s clients include Aldo, CCM Sports, Kamik, Salomon, and TSL Outdoor.

“We enjoy the opportunity to work with Visual 2000 to align their PLM solution to the specific requirements of the footwear business”, noted Skerpa Design Founder and President Daniel Thibault. “With PLM quickly becoming a requirement in this competitive and fast-paced industry, we applaud Visual 2000 for their focus on footwear and their initiative to custom-fit PLM to this important industry.”

Visual PLM.net is a configurable, packaged software solution for managing all product images, components, time and action calendars, and other critical business information. Visual PLM.net improves team and partner collaboration, increases process visibility, reduces product costs, and streamlines the entire concept-to-delivery business process.

## About Skerpa Designs

Based in Montreal, Quebec, Skerpa Design Inc. was formed in 2004. Founder Daniel Thibault has more than 15 years experience in industrial design since graduating from the School of Industrial Design at the University of Montreal. Skerpa Design is specialized in innovative products research and development in preparation for their merchandising and sale in profitable markets. Its specialty resides in the design and development for sporting and outdoor products, more specifically for the footwear industry. For more information, visit <http://www.skerpadesign.com>.

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## ***Zuken’s CADSTAR 12.1 PCB Design Software Cuts Engineering Costs***

17 August 2010

Zuken announced [version 12.1](#) of [CADSTAR](#), the desktop PCB design suite. Amidst the call for companies to tighten their belts as they climb out of recession, CADSTAR brings new functionality that helps cut design and manufacturing costs. The CADSTAR team has been focused on making customer’s design functionality requirements come true, with new functionality for advanced library management and signal integrity verification, ECAD MCAD integration, and improved high-speed routing – at an accessible, affordable price.

### **Cut your costs and get it right first time**

Maintaining large libraries can be a time-consuming task. It is now much simpler and quicker because the data can be stored in an ODBC-compliant data source. Verification tools for getting designs right-the-first-time are easier as the signal integrity and electromagnetic compatibility modules (SI Verify signal integrity and EMC Adviser) are integrated into CADSTAR. This eliminates the need for external net or component lists, exchanging of files, or translators – improving the reliability of design results

and speeding-up the process.

## **Better mechanical integration with Board Modeler Lite module**

The ECAD MCAD integration module within CADSTAR called [Board Modeler Lite](#) has been improved allowing users to create detailed 3D models of components with the 3D model generator. The creation of detailed 3D models by MCAD teams can be time consuming and the only alternative is to source the data from the internet, where only a handful of component suppliers provide detailed 3D models. This 3D model generator is not only easy to use, accurate and fast; the wizards create detailed 3D models for almost any electronic component.

For design teams working on boards where space is tight this functionality has become mission critical.

"Board Modeler Lite is a vital tool for us, as we design many boards for the mobile industry where devices need to be as thin as possible, meaning that tolerances are very tight," explained Eero Leinonen, Director from Inca Systems Oy.

"The boards themselves also need to follow the housing contour, with curves, indents and keep-out areas. We are able to test boards within the test fixture and Board Modeler Lite also allows us feed the exact 3D data from the PCB to the 3D design environment," added Leinonen..It's fast, it's high-speed and it's routing

Whether you have global design operations or are a one-man band, high-speed routing is likely a necessity. Zuken has incorporated more of its sophisticated routing functions into CADSTAR, including Smart and Intelligent Fan-Out Routing for BGAs and FPGAs. For those working on mixed signal boards, true star-point routing is supported in both the Design Editor and Place & Route Editor (P.R.Editor) tools. With the star-point capability, a designer can connect the different GNDs without producing DRC errors!

[CADSTAR 12.1](#) is now available, for more information contact [your local CADSTAR distributor](#) or visit [www.zuken/cadstar](http://www.zuken/cadstar)

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## **ZWmech Released for ZWCAD 2010**

18 August 2010

ASVIC, a leading software company specializing in the development of CAD-based software products for a wide range of engineering fields, announced the release of ZWmech - an integrated engineering add-on for [ZWCAD](#). The release comes as great news to 180,000 ZWCAD users and ASVIC's already 25,000+ customers, as they now have new software to complement their designs, as well as speed up the modeling process.

ZWmech is a fully customizable add-on that meets the needs of professionals in all industries. This new application's interface gives both new comers and veterans of CAD designs an easy and efficient way of modeling. It is stated it can "cut drafting time in half," with an array of engineering modules, including mechanical, piping, ducting, and structural. The Mechanical module contains utilities for the drawing of a vast range of fasteners, bearings, shafts, sprockets and several configurations of material handling rolls and conveyors. The Piping module is equipped to draw in orthogonal, isometric and P&ID. The Ducting module is capable of drawing round, rectangular, and flat-oval ducting with surprising ease. It also simplifies the creation of complex duct drawings, a routinely difficult task. The Structural module draws

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structural shapes from several common standards for building most structural components like beams & columns. Other features available in the package include: Auto-Bill of Materials (BOM), full management of layers, and design parameters.

Customers will be able to download and test the software free for 30 days, and then, afterwards, may purchase the product for less than US\$500. For a free 30 day trial please click on the link <http://www.zwmech.com>.

ASVIC now is an authorized member of ZWCAD Developer Network (ZDN). To find out more about ZWmech suit and other applications available for ZWCAD visit <http://www.zwcad.org/zdn/index.html>.

## **About ASVIC**

ASVIC main office is located in Newcastle, Australia and other offices are in Brisbane (Australia), Vancouver (Canada) and Bent, Oregon (USA). ASVIC develops and distributes CAD-based software for a wide range of engineering clients involved in commercial, food & beverage, petrochemical, biotechnology, heavy industry, marine, mining, military, pharmaceutical, pulp & paper, energy generation and various other markets. For more information, please visit <http://www.zwmech.com>.

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