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Company News

ADS of Japan Joins the Aras Partner Program

14 February 2013

Aras® today announced that ADS, Inc., a provider of PLM products and services, headquartered in Tokyo, Japan, has joined the Aras Partner Program. ADS will apply its extensive knowledge of product development and process optimization to the Aras PLM solution suite to help customers transform their business and drive operational improvement.

ADS, which stands for Advanced Digital Stream, is committed to helping its clients improve their product development capabilities. ADS consultants work closely with their clients to analyze and enhance existing product development processes and implement best-in-class PLM solutions. For more information please visit <http://www.adstr.co.jp>

“The team at ADS has a proven track record implementing PDM and PLM solutions for leading Japanese manufacturers. We are very pleased to welcome ADS to the Aras Corporate Community and the Aras Partner Program, and we look forward to working with them going forward,” said Peter Schroer, President of Aras.

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Advanced Solutions Application Engineer, Heather Adams awarded AutoCAD Civil 3D ACI

14 February 2013

Advanced Solutions, an Autodesk Platinum Partner and Authorized Training Center (ATC), announced that Heather Adams, Application Engineer, has received the [Autodesk Certified Instructor](#) (ACI) designation from [Autodesk, Inc.](#)

The Autodesk Certified Instructor (ACI) program provides instructors with the highest level of training on the use of Autodesk software. The cornerstone of the Autodesk Professional Excellence Program, ACI offers premier coaching, mentoring, evaluation, and accreditation services to ensure that only the best instructors teach Autodesk software.

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Heather Adams has been certified to teach AutoCAD Civil 3D. As a licensed Professional Engineer, Heather understands the importance of certification within her industry.

“I have taught for many years, so becoming an Autodesk Certified Instructor was very important to me. This certification is a globally recognized accreditation by Autodesk for my knowledge and ability to teach the AutoCAD Civil 3D software to our clients. It is a very informative program where you are evaluated by highly skilled Autodesk instructors. Passing this course and receiving this title was a very important accomplishment for me,” Heather shared.

Through pursuing rigorous advanced industry specializations and certification programs established by Autodesk, Advanced Solutions Engineering team demonstrates what it means to be knowledgeable, trusted advisers to Autodesk customers throughout the world.

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ANSYS Takes Home DesignCon Award for Second Year in A Row

7 February 2013

For the second year in a row, ANSYS has earned a prestigious award celebrating for offering an innovative, high-quality tool that simplifies the electronic product design process. DesignCon 2013's DesignVision Award for the Modeling and Simulation Tools category was presented to ANSYS in recognition of its HFSS for ECAD integration which was recently released in ANSYS version 14.5.

As electronics products become smaller and smarter, the need to include electromagnetic analysis within traditional electronic design has increased dramatically. ANSYS HFSS is critical to designers of printed circuit boards (PCB), electronic packages and custom integrated circuits because it provides accurate electromagnetic extraction of critical signal pathways.

Engineers that design printed circuit boards, electronic packages and custom integrated circuits use electronic computer aided design (ECAD) programs; one of the most widely used ECAD programs are the Cadence Design Systems suite of tools. The ANSYS HFSS for ECAD integration leverages the Cadence layout-based user interface and provides engineers with a comfortable environment to begin using simulation for product validation. This customized environment automates the process of preparing layout data for analysis using HFSS whereby all materials, boundary conditions and ports are set up automatically and reliably, streamlining model set-up for a broad class of electrical engineers.

"It's with great pride that ANSYS accepts recognition from DesignCon for the second consecutive year," said Larry Williams, director of product management at ANSYS. "This integration is strategic because engineers can acquaint themselves with simulation in the familiar Cadence environment and as high-speed electronic designs become more complex and require 3D and multiphysics capabilities, customers have the necessary integration and migration paths to the full ANSYS multiphysics analysis portfolio."

DesignVision award winners were selected based on three criteria: how well the product met the market's vision and offered unique insight into customer needs; the originality of the solution and if it offered a new approach to meeting market needs; and the quality of the implementation and how well it fits the market requirements.

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Atos Wins the 2013 NASSCOM Process Innovation Award

15 February 2013

Atos today announced that its latest innovation 'Cloud Orchestration Platform', has won the 2013 NASSCOM Process Innovation Award. This platform has been designed and developed at the Atos Business Technology Innovation Center in Pune in collaboration with the Scientific Community – a global network of around 90 of the best business technologists within Atos.

“Commenting on the award, Milind Kamat, CEO for Atos in India, said; “We are delighted to receive this award from NASSCOM, which recognises how through our innovative solutions and services, we create business value for our clients.”

The Cloud Orchestration platform is designed to help organisations cost effectively and securely manage the increasingly complex cloud environment. As organisations accelerate their move to the Cloud, so will their need for cloud orchestration services increase. It is estimated that by 2016 cloud orchestration services will represent about 30% of the predicted \$100 billion Cloud IT revenue.

Speaking on the development Milind Kamat said, “Adoption of Cloud, Mobility, M2M and Social Media have become mainstream and organizations are shifting their cloud services usage from simply improving IT operations to delivering business innovation. Integrated messaging will not be a “nice to have”, but a “must have” necessity for effective and efficient future business process management with the highest levels of integrity, reliability and security.”

The Atos Cloud Orchestration platform has already been implemented at several global, blue-chip organisations to integrate business processes across multiple applications, clouds and smart devices and to enable users to access and manage a business process anytime, anywhere and on any device.

The National Association of Software and Services Companies (NASSCOM) India Leadership Forum celebrates its twenty-first anniversary this year and has become a premier event to celebrate success and discuss the challenges of the Indian IT industry with its global peers. The annual event attracts CXO level participation from leading IT organizations and is also attended by IT and Financial Analysts along with national and international media.

CIMdata PLM Industry Summary

Launched in 2004, the NASSCOM Innovation Awards recognizes companies that have made [innovation](#) a part of their organizational DNA, and have used the innovation engine to reinvent their processes, marketing and product development strategies. For this years' Process Innovation award close to 400 entries from national and international organizations were reviewed.

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"Celebrate Awesome" With Knovel's National Engineers Week Photo Contest

11 February 2013

[Knovel](#) will join [National Engineers Week's](#) "Celebrate Awesome" activities by hosting a photo contest from February 11th through March 1st and by highlighting one "Awesome Engineering Inspiration" each day during Engineers Week.

Engineers, engineering students and fans of engineers are encouraged to submit images of the projects, people, role models and everyday innovations that have inspired them to achieve "awesome." Participants may submit photos via the Knovel [contest site](#). The 10 participants who receive the most votes will be eligible for prizes, and a panel of Knovel judges -- [who are inspired engineers themselves](#) - - will then select two overall winners based on the photo's 1) creativity and 2) relevance to the STEM community.

There will be two grand prize winners; each will receive one Apple iPad Mini. For more information and contest rules, visit the [contest site](#).

In addition to the contest, other inspirational engineering innovations will be featured on Knovel's blog daily, from February 18th through the 22nd. Expect to see "awesome" engineering creations, from self-healing concrete to exoskeletons. Visit Knovel's blog at <http://www.knovelblogs.com/>.

"Everybody loves to hear about the big innovations that engineers create, but it's just as important to recognize the ideas that ignite both the creative and scientific processes that lead to engineering innovation," said Knovel CEO Chris Forbes. "This year Knovel is celebrating National Engineers Week by recognizing the many ideas that inspire engineers to greatness. We can't wait to see what participants will share."

Knovel recently wrapped up its annual University Challenge, a program that introduces future engineers to top-notch resources as they learn how to research, problem solve and prepare for a competitive workforce. The photo contest is another example of how Knovel helps engineers to find inspiration. For more information about the 2012 Knovel University Challenge, visit <http://www.knoveluniversitychallenge.com/index.php>.

Knovel was acquired by Elsevier in January 2013. For more information, please read the January

2013 [press release](#).

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D|C|CADD Earns Autodesk Fabrication Specialization

13 February 2013

[D|C|CADD](#), an Autodesk solutions provider offering software and services to the building, infrastructure and manufacturing communities, announced that it is among the first to earn the new Fabrication Specialization designation for value added resellers from [Autodesk, Inc.](#) The D|C|CADD team is now authorized to sell, implement and support customers on all of the Autodesk Fabrication software solutions.

As an Autodesk Fabrication Specialized Partner, D|C|CADD has shown that they have made a significant investment in their people, they have a solid business plan specific to fabrication, they have customer references, and that they provide a high level of knowledge and experience to customers in the design industry.

The new Autodesk Partner Specializations enable partners like D|C|CADD to highlight and brand their capabilities in delivering services in key industry areas. By completing the rigorous training and examinations, as well as meeting high levels of service and standards set by Autodesk, D|C|CADD once again demonstrates their expertise and ongoing commitment to customer service and support.

“Expanding our services and support into the MEP Fabrication arena is an exciting opportunity for us,” stated Doug Wietbrock, company President & CEO. “We’ve been actively involved with MEP designers and contractors for years, but the new Autodesk MEP Fabrication solutions allow us to offer a complete design, fabrication and installation solution to streamline the operations of our customers.”

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Delcam Australia Moves to New Offices

12 February 2013

Delcam Australia, the local subsidiary of CAD/CAM developer, Delcam, celebrated its move to new offices in Melbourne with a grand opening attended by Delcam Chairman, Peter Miles, on 7th February.

"The move is the first stage in an increased investment in our sales and support operations in Australia," commented Delcam Australia General Manager, Robert Simunic. "The next priority is to increase our staff so that we can provide an even better service for the 500 Delcam customers in the country."

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For nearly 25 years the sales and support of Delcam software was ably managed by local sales partner Complex, with the decision to formally open an official Delcam subsidiary welcomed by the management of both Complex and Delcam. The staff at Complex became employees of Delcam Australia, so ensuring that any impact of the change for customers was minimal.

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Edgecam Strengthens Product Team

11 February 2013

Vero Software Ltd has strengthened its Edgecam product team with the appointment of an International Sales Manager.

Walter Wade joins the team as part of the brand's continued focus on growth. He will be working with the business development team to establish new channels for Edgecam in emerging economies.

He joins the Edgecam team from another role within the Vero Group, bringing 20 years experience in both technical and commercial aspects of CAD/CAM solutions: for nearly 10 years he managed UK sales operations, before moving into international product distribution.

“The increased focus on brand, and the substantial opportunities for growth, are the main reasons for joining the Edgecam team,” he says. “The passion for the benefits the software delivers to manufacturers is evident from everyone in the team.”

He will also be developing the existing reseller network, working closely with Edgecam General Manager Raf Lobato, who says: “This appointment demonstrates Edgecam's clear objective of sector dominance, and commitment to our international business.”

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IMAGINiT Technologies Earns Autodesk Wisconsin DOT Training Certification

12 February 2013

[Rand Worldwide](#) announced that Jay Meszar, a solutions consultant with the IMAGINiT Technologies division, has been awarded the Wisconsin Department of Transportation Training Certification (WisDOT) for Autodesk products. By surpassing the curriculum and exam requirements and showing an in-depth knowledge of AutoCAD Civil 3D, the WisDOT workflow and the importance of 3D model development, Meszar has been one of the few to earn the distinction of being a WisDOT Certified Trainer.

Starting in mid-2014, all WisDOT roadway design projects must be done using Civil 3D. WisDOT is

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taking the initiative to certify trainers on the new workflows and deliverable requirements as an increased proficiency in AutoCAD Civil 3D will create better products and also help mitigate risks in projects moving forward.

“As design technology consultants, trainers, support experts and more, our global team is constantly earning worthy designations so that we can advise our customers on the latest technologies and workflows, as well as our proven in-the-field, business acumen,” says Bill Zavadil, senior vice president of worldwide services, IMAGINiT Technologies. “This certification will help us to continue to deliver our high-level of customized training as well as adding insight to our clients who are working on transportation related projects.”

IMAGINiT’s civil engineering specialists continue to speak at conferences, author articles and advise customers on the best practices for building information modeling in the civil field. With a focus on excellence and a passion for success, organizations engage IMAGINiT to not just implement software, but to achieve their business objectives.

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Kelar Pacific, LLC Earns Autodesk Fabrication Specialization

12 February 2013

[KELAR PACIFIC](#) an [Autodesk Gold Partner](#) celebrating thirty years in the AEC industry announced that it has earned the new Fabrication Specialization designation for value added resellers from [Autodesk, Inc.](#) As an [Autodesk Specialized Partner](#), Kelar Pacific, LLC has shown that they have made significant investment in their people, they have a solid business plan specific to their specialization area, they have customer references, and that they can provide a high level of knowledge and support to customers in the Fabrication industry.

The new Autodesk Partner Specializations enable value added resellers to highlight and brand their expertise in delivering services in key industry areas. By completing the required curriculum and training, as well as meeting required levels of service and standards set by Autodesk, Kelar Pacific, LLC demonstrates through their strong customer service and support in sales what it means to be a trusted adviser to Autodesk customers throughout the world.

"Kelar Pacific is very excited to have gained this Autodesk Specialization. This is a key area in the marketplace that we have been very dominant in and hold a very high understanding of how our Fabrication client's needs relate to and integrate with, the Autodesk product lines," explains our AEC Technical Manager Derek Renn, "With Autodesk's line of fabrication software products and our specialization within this market, we are looking forward to providing a high level of expertise to our clients."

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For more information and to discuss our Fabrication Specialization resources with Mr. Renn, come to our [San Diego BIM User Group](#) February 14, 2013 at 6pm in San Diego.

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ModuleWorks Relocate to New HQ Office in Aachen, Germany

13 February 2013

ModuleWorks, the supplier of CAD/CAM components for 3-5-Axis toolpath generation and simulation, has relocated its headquarters to a new, larger office in Aachen, Germany.

The new office provides room expansion for the company which now hosts more than 30 staff at the Aachen headquarters.

The office currently covers 700 square meters, with the potential to grow to more than 1400 square meters as the company expands. In addition to staff, the office is home for the company's four machine tools which are routinely used to help research and validate new development ideas.

Yavuz Murtezaoglu, Managing Director for ModuleWorks comments "We had simply outgrown our previous office, so needed to find somewhere larger. The new office provides room for the team we have now and allows us space for future expansion at our German head office."

The new office is located at:

Henricistrasse 50

52072 Aachen

Germany

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Events News

Aras Sponsors Product Innovation Congress – February 19-20, Berlin, Germany

13 February 2013

Aras® today announced that the company will sponsor Product Innovation Congress 2013. The event provides insight and inspiration into the creation, development and management of product information. Product Innovation Congress 2013 takes place February 19-20 in Berlin, Germany.

On Wednesday, February 20th at 2:00pm GETRAG FORD will present their PLM Journey. Mr. Rolf

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Huesemann, Manager of Engineering Systems and PLM at GETRAG FORD Transmissions, will discuss legacy PLM systems, false starts and a successful PLM implementation with Aras.

Aras is a signatory member of the Codex of PLM Openness (CPO) and committed to true interoperability, portability and extensibility provided by an open architecture. During the two-day event visitors will have the opportunity to learn about the advanced capabilities of the next generation Aras PLM platform and meet Aras and Aras partners, including Aras Certified Gold Partner Minerva, Shapespace and Kalypso. Minerva will demonstrate various solutions to complement and extend Aras, including packages for Electronic and High Tech and Medical Devices.

At Product Innovation Congress 2013, product information professionals from R&D, engineering and IT will have the opportunity to meet international experts in product development, research, design and IT, and see the latest innovations in the field of product development. More details are available online at: <http://www.picongress.com>

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CNC Software, Inc. Showcases Mastercam Swiss Expert and Previews Mastercam X7 at PMTS 2013

11 February 2013

PMTS 2013 attendees will receive a sneak peek at the most powerful Mastercam machining software yet. Stop by booth # 437 at the Greater Columbus Convention Center in Columbus, OH, April 16-18 for a look at Swiss Expert 2012 as well as Mastercam X7, the latest Mastercam release, which is due out Q2 2013. Mastercam X7 introduces many significant new capabilities, including the new Mill-Turn product and much more.

Mastercam Swiss Expert

Mastercam Swiss Expert is designed to program Swiss-style NC machines, and is popular with watch-making, medical device, dental, automotive, and electronics companies—industries where extremely small but very precise parts are a requirement. Mastercam Swiss Expert is developed in the same region of Switzerland where Swiss-style machines were invented. It is known for supporting an unlimited number of axes and channels, and for realistic simulation of the entire machine and its tools. Mastercam Swiss Expert reduces startup time significantly, is ideal for optimizing cycle times, and supports all types of tooling.

New Mastercam Mill-Turn

Mastercam's Mill-Turn product makes machining on today's high-powered turning centers and full-function machining centers simpler and easier than ever before. Mastercam Mill-Turn streamlines the programming process with intelligent job setups that are keyed to the exact machine in your shop. Intelligent work plane selection makes it easy to select the proper spindle and turret, and program your part with Mastercam's proven milling and lathe toolpaths.

Renishaw Probing

Mastercam X7 integrates Renishaw's Productivity+ for in-process gauging. This uses a measuring probe on a machine tool to determine fixture offsets, orientation, and critical dimensions. Probing eliminates the need for tool presetters, expensive fixtures, and manual settings with dial indicators. It allows for machine offsets to be automatically adjusted, even during the machining process, to further enhance the manufacturing process.

Also available in Mastercam X7:

- The new Tool Manager, providing a whole new way to create and organize your tooling.
- Improved Backplot and Verify utilities that offer a more efficient workflow, better analysis tools, and more comprehensive toolpath support.
- Dynamic and OptiRough toolpaths with more efficient tool motion, including enhanced cut orders and faster calculation times.
- Multi-threading support extended to most 2D high speed toolpaths, resulting in faster toolpath processing.
- Oscillate motion for Curve and Swarf 5-axis toolpaths, improving your tool life by not always machining with the same area of the tool.

Visit www.mastercam.com for information about the upcoming Mastercam X7 release.

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Delcam Italia to Show Electrode Solution at EuroStampi

15 February 2013

Delcam Italia will demonstrate Delcam's integrated solution for the design, machining and inspection of electrodes at the EuroStampi exhibition to be held in Parma from 21st to 23rd March as part of the MECSPE group of exhibitions. The complete solution combines Delcam's PowerSHAPE CAD software, PowerMILL CAM system and PowerINSPECT inspection software to enable electrodes to be produced more efficiently and to higher levels of accuracy. Full details are available on the website – www.delcam-electrode.com.

The production of electrodes is a key stage in the manufacture of many types of tooling so the availability of a faster, more automated method for their development will increase efficiency and reduce lead times across a number of industries.

At the heart of the novel Delcam solution is a new file format – the .Trode file. This contains all the information for each electrode project, including not only the electrode design but also the machining and inspection information, plus the set-up sheets for its manufacture and use. Having all the required information in a single file simplifies data management as well as increasing overall efficiency.

CIMdata PLM Industry Summary

The initial design stage of the process has been made both easier and faster thanks to the increased range of direct modelling tools available within PowerSHAPE. Users can now quickly and easily define the region where the electrode will be used, extract the shape needed to produce the required feature in the part, and then edit the design to provide clearance from the main surface of the tool and to blend it into the blank size needed to fix the electrode into its holder.

Analysis tools are available to check that the draft angles and minimum radii used in the design will not cause downstream problems, while the ability to simulate the action of the electrode ensures that it will operate as expected. To speed the design process further, catalogues of blanks and holders are included from Erowa, Hirschman and System 3R. Users can add their own standard sizes to these databases.

Once the design has been finalised, the necessary spark gaps can be specified to provide the machining offsets required in PowerMILL to cut the roughing and finishing electrodes. Inspection points can also be added so that the measurement of the electrode in PowerINSPECT can be automated to a large extent. Then, set-up sheets for the electrode's manufacture and use can be produced automatically, either to a standard format or to a user-defined template.

Companies that produce multiple electrodes of similar sizes from the same material can develop templates within PowerMILL to machine them in a standardised way. Burn, clearance and blank faces of the electrode are automatically colour-coded within PowerSHAPE so that they can be recognised within PowerMILL. The size of the material block and the spark gaps for the electrode family are also read from the .Trode file and applied to the toolpaths automatically. Once the templates have been created, generating the machining toolpaths becomes a fully-automated process.

Specifying the inspection points within PowerSHAPE means that the probe path in PowerINSPECT and the production of the inspection report can also be automated, including undertaking a best-fit analysis of the machined electrode. However, all of PowerINSPECT's flexibility is available if extra measurements are needed from any areas of the part that are causing concern. The results of the inspection are added to the .Trode file for quality control records.

The automated generation of set-up sheets for both the machining and application of the electrodes ensures that all the data needed at each stage is readily available. A documentation pack, including the GA and detail sheets, can be issued as drawings, HTML files or Microsoft Excel spread sheets. All these options make communication easy between the various people involved in the design, manufacture and use of the electrodes.

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Delcam's PartMaker 2013 to be Displayed at PMTS

13 February 2013

CIMdata PLM Industry Summary

The PartMaker Division of Delcam will demonstrate its latest version of the PartMaker CAM software for programming CNC mills, lathes, wire EDM equipment, turn-mill centres and Swiss-type lathes, including the new Advanced Surface Machining module, on booth #733 at PMTS, the precision machining industry's leading trade show, in Columbus, Ohio, from 16th to 18th April.

Additionally, PartMaker Division President, Hanan Fishman, will be a keynote speaker at the adjoining PMPA National Tech Conference immediately preceding the show, discussing the benefits and potential pitfalls for precision manufacturers in working with solid models.

PartMaker 2013 features a totally revamped surface machining module offering users some of the most powerful CAM machining algorithms on the market. PartMaker 2013 also features a restyled, more productive user interface.

"As the leading event for the precision turned-parts industry, PMTS is a great opportunity to showcase PartMaker 2013," says Mr. Fishman. "With the release of the new Advanced Surface Machining Module and the recently improved PartMaker Modeling application, PartMaker offers its users the most comprehensive production machining oriented suite of CAD/CAM software on the market today."

"PartMaker's new Advanced Surface Machining functionality is based on the same technology and algorithms underpinning Delcam's PowerMILL, the leading CAM system on the market for the manufacture of complex shapes," added Mr. Fishman. "The new functionality it offers answers the needs of our customers making increasingly more complicated parts, particularly for those in the medical device and aerospace arenas."

Restyled User Interface

PartMaker 2013 features a sleeker, restyled user interface. Headlining the improvements in the user interface is the Job Explorer tree which makes navigating Machining Function Face Windows and Part Features faster. Additionally, a number of new controls have been added to the software to make working even more intuitive, while a number of diagrams in the software have been recast and revamped to give PartMaker 2013 a fresh new look.

While the user interface enhancements are numerous, PartMaker 2013 has retained the software's traditional work flow with its industry leading ease of use so existing users will not have to worry about any relearning, they will just be able to be more productive.

Introducing the Advanced Surface Machining Module

The new high-end milling functionality in the Advanced Surface Machining module replaces PartMaker's Surface Machining Wizard module for surface machining of free-form shapes. For existing PartMaker users, the upgrade to ASM will be provided free of cost and the transition will be very easy to make.

The benefits of the ASM module for PartMaker users are numerous. They include faster tool path

calculation, greater tool control and improved surface finishes.

The ASM module features a wide variety of high-end milling strategies that can be applied across the entire suite of PartMaker CAM applications including PartMaker Mill, PartMaker Turn-Mill and PartMaker SwissCAM.

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Delcam Taiwan to Show Latest CAM Developments at TIMTOS

14 February 2013

Delcam Taiwan will demonstrate the latest developments in Delcam's complete range of CAM software at the TIMTOS exhibition to be held in Taipei from 5th to 10th March. Programs on show will include PowerMILL for high-speed and five-axis machining; FeatureCAM for quick and easy feature-based CAM programming; PartMaker for turn-mill equipment and Swiss-type lathes; the Delcam for SolidWorks integrated CAM system; and ArtCAM for artistic applications.

The most important new option in the next release of PowerMILL will be the new Vortex strategy for high-speed area clearance. Vortex, for which Delcam has a patent pending, has been developed by the company specifically to gain the maximum benefit from solid carbide tooling, in particular those designs that can give deeper cuts by using the full flute length as the cutting surface. It can be used for two- and three-axis roughing, three-plus-two-axis area clearance and for rest machining based on stock models or reference toolpaths. Like other Delcam roughing strategies, Vortex toolpaths are calculated to give more efficient machining by following the shape of the part and so keeping air moves to a minimum.

FeatureCAM was the world's first feature-based programming software when it was launched in 1995. Constant development since then has ensured that the system has retained its leadership in programming speed and ease of use, while an increased range of strategies has been added to provide more efficient toolpaths giving greater productivity on a wider range of machines, including lathes, mills and mill-turn machines. The main change to the 2013 FeatureCAM product family has been the introduction of three levels of 3D machining functionality. FeatureMILL 3D Lite is a new option offering single-surface machining with a basic range of strategies that provides an introductory product for companies moving into 3D machining for the first time.

PartMaker pioneered the field of CAM software for multi-axis turn-mill centres and Swiss-type lathes. The software offers a vast array of robust post-processors and machine-simulation files for virtually every machine model from all the leading builders. The 2013 version will feature a totally revamped surface-machining module offering PartMaker users some of the most powerful CAM machining algorithms on the market today for a variety of manufacturing platforms, including turn-mill centres, bar-fed mills and Swiss-type lathes.

Delcam for SolidWorks is a fully integrated CAM system for SolidWorks that combines the benefits associated with PowerMILL and FeatureCAM. It provides PowerMILL's exceptional speed of toolpath

CIMdata PLM Industry Summary

calculation, plus the advanced strategies for high-speed and five-axis machining, to ensure increased productivity, maximum tool life and immaculate surface finish, while also offering the same strong focus on ease of use as FeatureCAM. The 2013 release includes a new entry-level 3D milling option, plus many of the enhancements made to the 2013 version of FeatureCAM on which it is based. As a Gold Partner CAM product, it is, of course, fully compatible with the latest release of SolidWorks.

The new release of ArtCAM Pro will make it much easier to create complex designs, especially those that include repeated elements that are similar but not identical within the design. This new way of working, which is called 'Free Relief Modelling', allows previously-created reliefs to be identified and swiftly moved, rotated, rescaled and copied, either individually or as part of a group. The overall result is much more natural than simply duplicating a single shape across the design, while also being much quicker than modelling each item individually.

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Delcam to Show Latest in Dental CAD/CAM at Dentistry Show

12 February 2013

Delcam will demonstrate the latest versions of its DentCAD and DentMILL CAD/CAM programs at the Dentistry Show to be held at the NEC, Birmingham, on 1st and 2nd March. Delcam is the only company able to offer a complete, open implantology solution, from accurately capturing the implant position and orientation, through to the high-precision, multi-axis milling of customised abutments, implant bridges and dental bars, with a management system to track every stage of the process.

Delcam remains committed to its drive to replace "closed" manufacturing methods, in which the user is restricted to the use of a limited range of equipment and materials, with "open" systems, in which manufacturers can combine their own choice of equipment and software, and then use a broad variety of materials. Thus, DentCAD can accept data from all leading dental scanning systems and output designs to any machining software, while DentMILL can take models from most dental design systems and generate toolpaths for a wide range of machine tools.

The major change in the new DentCAD 2013 release is the introduction of a higher-definition method for modelling. This gives much better representation of fine details such as cusps and fissures on the tooth, and so allows a closer match to the surrounding teeth to be modelled.

It has also enabled the creation of a much more extensive and more realistic library of standard tooth designs for DentCAD. Designs much closer to real teeth can be selected from the library that require far less editing to produce the final model.

The second major change has been the incorporation of best-fitting algorithms from Delcam's PowerINSPECT metrology program, the world's leading hardware-independent inspection software. These allow the positions of scan adaptors to be located to high levels of precision and so enable

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extremely accurate production of items multi-implant restorations, such as dental bars.

Another key area for development has been dental bar design. This has been improved to give more control over the shape of the various profile sections of the bar and to make it easier to incorporate full custom abutments within the bar.

The new DentMILL 2013 product integrates fully into the DentCAD workflow, including the introduction of a new interface that replicates the cleaner style introduced in the 2010 version of DentCAD. This features a reduced number of toolbars to allow the maximum screen space for toolpath generation and simulation, together with bolder and clearer icons. The new interface has been designed in association with dental laboratories and milling centres to ensure that technicians with limited experience of computer-aided machining will find the software easy to learn and to use.

Material use has been made more efficient with improved and more flexible nesting tools to position the various restorations within the block. In particular, the ability to undertake part-to-part pinning has been added, rather than needing to have separate sintering pins for each restoration. Background processing means that toolpath calculations can be started on the first items added to the block, while the remaining restorations are still being positioned. This approach can reduce the overall calculation times.

DentMILL 2013 has also benefited from enhancements to the latest version of Delcam's PowerMILL CAM system for high-speed and five-axis machining on which it is based. These include a number of new strategies that offer smoother machining to give the best possible surface finish.

Closer integration has also been added with Delcam's OrderManager workflow management software. This allows laboratory staff to immediately see incoming orders, approve them and download scan data to begin the design or to download design data for machining. The system can subsequently manage all manufacturing steps through to eventual dispatch, giving a 'real-time' view of total order status. Delcam's OrderManager can be used with the full variety of manufacturing processes as it can easily be tailored to manage any laboratory's individual process steps.

Each customer has access to view all their orders, from initial order acknowledgement through to eventual dispatch, to check their progress without needing to contact the laboratory, so saving time for both customer and supplier. They are notified automatically if any further information is required, and when the order has been dispatched so that they can then arrange an appointment with the patient.

The system has been designed to be extremely easy to use for staff at both the laboratory and the milling centre, thus minimising administration time whilst maximising feedback. All transactions are logged, providing complete traceability for every order.

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Edgecam Waveform Roughing Features at Design & Manufacturing South

11 February 2013

Silverhawk Solutions will be showing computer simulations of Edgecam's waveform roughing strategy at the Design and Manufacturing South Exhibition in Orlando. Manufacturers say waveform pushes the boundaries of traditional milling.

Edgecam reseller Silverhawk, will be showing how waveform maximises material removal rates while prolonging both tool and machine tool life. It produces rough milling toolpaths that deliver shorter cycle times, greater tool life, better surface finish, and are kinder to machine tools.

Waveform creates its toolpaths so that when viewed from above the distance between the roughing passes – also known as stepover – varies, but this variation allows the actual width of cut to stay the same and at the optimum level, meaning the spikes are removed. Chip load stays constant, and the depth of cut employs the cutter's entire flute length.

Silverhawk's waveform simulations will be shown on computer screens at booth #626.

Domenic Lanzillotta, Edgecam's Channel Manager, Americas Region, says: "Waveform roughing is all about gaining the confidence to accept a whole new way of thinking. Because it's going outside the normal boundaries of what has been achievable and realistic in the past, customers are doing waveform roughing with normal feeds and speeds to begin with, then they start to realise its enormous potential, and ramp up the speed and feed rates. And that plays a major role in increasing profitability."

Design & Manufacturing South is a major exhibition of cutting edge technologies, held at the Orange County Convention Centre, in Orlando, Florida, on March 6 and 7.

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Financial News

Accelrys to Announce Fourth Quarter and Full Year 2012 Results on February 26, 2013

12 February 2013

Accelrys, Inc. announced it will report financial results for its 2012 fourth quarter and full year ended December 31, 2012 after the NASDAQ Market closes on Tuesday, February 26, 2013. The Company will conduct a conference call and an audio webcast at 2:00 p.m. PT (5:00 p.m. ET) on the same day.

Conference Call Information

Domestic callers: 866-309-0459

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International callers: +1-937-999-3232

Passcode: 88646167

Webcast information: <http://ir.accelrys.com/>

The webcast is also being distributed through the Thomson StreetEvents Network to both institutional and individual investors. Individual investors can listen to the call at www.fulldisclosure.com, Thomson/CCBN's individual investor portal, powered by StreetEvents. Institutional investors can access the call via Thomson's password-protected event management site, StreetEvents (www.streetevents.com).

A replay of the conference call, which can be accessed by dialing toll-free 855-859-2056 and outside the U.S. +1-404-537-3406, will be available beginning 5:00 p.m. PT (8:00 p.m. ET) on February 26, 2013 through 8:59 p.m. PT (11:59 p.m. ET) on April 26, 2013. The access code for the replay is 88646167.

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Agilent Technologies Reports First-Quarter 2013 Results

14 February 2013

Agilent Technologies Inc. reported revenues of \$1.68 billion for the first fiscal quarter ended Jan. 31, 2013, 3 percent above one year ago. First-quarter GAAP net income was \$179 million, or \$0.51 per share. Last year's first-quarter GAAP net income was \$230 million, or \$0.65 per share.

During the first quarter, Agilent had intangible amortization of \$52 million and acquisition, integration and transformation costs of \$13 million. The company also recognized a tax benefit of \$27 million. Excluding these items and \$5 million of other net charges, Agilent reported first-quarter adjusted net income of \$222 million, or \$0.63 per share.

Agilent CEO Bill Sullivan said, "While we currently face some volatility in our end-markets, we remain excited by our long-term prospects, including opportunities in emerging markets. Agilent will continue to invest in R&D to ensure that we maintain the cutting-edge products and technology leadership that our customers expect from us."

Electronic Measurement first-quarter revenues declined 7 percent compared with the prior year, primarily due to an anticipated decrease in the communications market. Operating margins were 17 percent.

Chemical Analysis revenues were down 1 percent compared with a year ago, driven by soft environmental markets. Operating margins were 21 percent.

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Life Sciences revenues were up 2 percent over a year ago. Pharma saw modest growth, while academic/government markets were flat. Operating margins were 15 percent.

Diagnostics and Genomics grew 145 percent, 4 percent excluding the effects of the Dako acquisition. Operating margins were 13 percent.

Agilent generated \$245 million of cash from operations in the quarter. First-quarter ROIC was 14 percent.

Second-quarter 2013 revenues are expected to be in the range of \$1.74 billion to \$1.77 billion. Second-quarter non-GAAP earnings are expected to be in the range of \$0.64 to \$0.70 per share.

For the full fiscal year 2013, Agilent now expects revenue of \$6.9 billion to \$7.1 billion and non-GAAP earnings of \$2.70 to \$3.00 per share.

To view an unabridged version of this press release, visit: <http://www.agilent.com/about/newsroom/presrel/2013/14feb-gp13003.html>

Cimatron's Fourth Quarter 2012 Results Release Scheduled for February 19th
11 February 2013

Cimatron Limited announced today that it will be releasing its fourth quarter financial results on Tuesday, February 19th, 2013, before the US markets open.

Cimatron's management will host a conference call that same day, at 9:00 EST, 16:00 Israel time. On the call, management will review and discuss the results, and will also be available to answer questions by investors.

To participate, please call one of the following teleconferencing numbers. Please begin placing your call at least 5 minutes before the conference call commences.

USA: +1-888-668-9141
International: +972-3-9180644
Israel: 03-9180644

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

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Lectra: 2012 Financial Results Beat Company Expectations

12 February 2013

Lectra's Board of Directors, chaired by André Harari, reviewed the consolidated financial statements for the fiscal year 2012. (Unless stated otherwise, comparisons between 2012 and 2011 are like-for-like.)

Q4 2012

Growth in Orders for New Software Licenses and CAD/CAM Equipment

There was no pick-up in the economy in Q4, uncertainties actually increased. Against this difficult background, sales activity finished the year dynamically.

Orders for new software licenses and CAD/CAM equipment (€20 million, surpassing the level for the first three quarters) increased by 34% compared with Q4 2011 (when orders were affected by the accelerated deterioration of the economic environment, falling 34% compared with Q4 2010).

Results Hold up Well

Revenues (€1.1 million) are down 4% (-3% at actual exchange rates). This decline stems from a 14% fall in revenues from new systems sales to €1.2 million. This was partly offset by the confirmation of faster growth in recurring revenues (€9.9 million), rising from 2% in the first half of the year to 4% in Q3 and in Q4. Revenues from recurring contracts (€17.3 million) rose by 7% and those from spare parts and consumables (€12.1 million) by 2%.

Income from operations amounted to €5.1 million, down €3.0 million, while the operating margin decreased by 5.3 percentage points to 10%. At actual exchange rates, income from operations was down €2.5 million and the operating margin decreased by 4.5 percentage points.

Net income (€3.6 million) decreased by €1.2 million at actual exchange rates, compared with Q4 2011. Free cash flow was positive at €5.8 million (€1.4 million in Q4 2011).

To view an unabridged version of this press release,

visit: http://www.lectra.com/binaries/Lectra_PressRelease_Q4FY2012_tcm31-214314.pdf

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Implementation Investments

ACCO Brands Corporation Selects SofTech's ProductCenter Solution

12 February 2013

SofTech, Inc. announces that its [ProductCenter](#)® PLM solution has been selected by ACCO Brands Corporation, one of the world's largest suppliers of branded office products.

The primary focus of the ProductCenter deployment will be on enterprise knowledge management

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throughout ACCO Brands. ProductCenter will streamline documentation processes, initially with the management of compliance documents.

ProductCenter will also improve product development efficiency by enabling Engineering to control design and development project documents and information.

Following the initial deployment, the ProductCenter implementation will be expanded to support New Product Development projects as well as Product Marketing, Global Sourcing and enterprise-wide business process improvement within ACCO Brands.

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Amana Contracting & Steel Buildings Increases Speed to Market with Autodesk BIM Software

12 February 2013

[Autodesk, Inc.](#) announced that Amana Contracting & Steel Buildings (Amana) has fully implemented building information modeling (BIM) into its engineering practice. Amana is a leader in designing, constructing and commissioning commercial and industrial buildings in the Middle East, Africa and South East Asia. By adopting Autodesk BIM technology, Amana has accelerated its drawing production time by over a month.

“We are pleased with the successful results of our BIM software implementation for Amana. We are also confident that its stakeholders, partners and customers will benefit from the Autodesk BIM platform advantages of efficiency, accuracy and quick results delivery”

The company had been using AutoCAD software successfully for many years, but needed to speed up design while maintaining the accuracy, productivity and quality of final documentation. Working closely with Autodesk partner Omnix International, Amana has adopted Autodesk BIM software products, including Autodesk Revit Architecture, Autodesk Revit MEP and Autodesk Revit Structure. This BIM technology helps create essential project information, accurate floor plans, elevations, sections, quantity takeoffs, area calculations and schedules – and much of the work is automated. The software allows architects, structural engineers and builders to work from a single integrated digital model that contains all information essential to the project.

“Amana's decision to shift from AutoCAD to Autodesk BIM has already produced positive results for us,” said William Bsaibes, Green Initiative Manager - LEED AP BD+C, Amana Contracting & Steel Buildings. “To date, we have seen an improvement in our productivity as we have saved four to six weeks from our drawing production. The new solution has also allowed our Quantity Surveying department to finalize quantities faster and with more accuracy. The use of BIM technology gives us a competitive edge by producing high-quality documentation, shorter production cycles and an improved approach to servicing our clients.”

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Autodesk BIM software has allowed Amana's architects to link a project's structural model into the architectural model, thus directly seeing the structural components on the drawings - resulting in a tighter integration between structure and architecture departments. The use of BIM technology has allowed Amana to make better-informed decisions and also create stronger ties with its clients.

"We are pleased with the successful results of our BIM software implementation for Amana. We are also confident that its stakeholders, partners and customers will benefit from the Autodesk BIM platform advantages of efficiency, accuracy and quick results delivery," said Dr. Jayant Deshpande, Director - CAE, Omnix International.

Amana expects that its operations and development for projects in the United Arab Emirates will be strengthened by BIM, given the demands for sustainable construction and Estidama (Pearl Rating) guidelines. Amana is currently training and involving more of its staff in the use of Autodesk BIM technology, as well as planning to rollout the solutions across its Gulf Cooperation Council branch offices.

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Autodesk Provides First Ever 3D Building Instructions for LEGO MINDSTORMS

14 February 2013

[Autodesk, Inc.](#) has partnered with The LEGO Group to provide 3D interactive building instructions for LEGO MINDSTORMS EV3, a new platform designed to introduce a younger generation to the excitement of building and programming robots. The LEGO MINDSTORMS EV3 set, as well as the 3D building instruction mobile apps and web instructions, will be available in the second half of 2013.

Accessible through a mobile app for iOS and Android devices, or over the web at [MINDSTORMS.COM](#), the interactive building instructions—based on [Autodesk Inventor Publisher technology](#)—provide an alternative to traditional instructions, bringing the building experience to life. The 3D building instructions allow LEGO MINDSTORMS builders to digitally view how the LEGO MINDSTORMS EV3 components fit together, making it easier to build even the most sophisticated robot.

"The LEGO Group has designed a completely new version of LEGO MINDSTORMS, building upon the same DNA, to excite and challenge an audience of children who have grown up with technology," said Camilla Bottke, LEGO MINDSTORMS project lead at The LEGO Group. "By teaming up with Autodesk, we're delivering a new spin on our hallmark, nonverbal, step-by-step building instructions by providing powerful 3D interactive technology that enhances the LEGO MINDSTORMS experience for today's tech-literate generation of children."

Autodesk Inventor Publisher software—which provides an alternative to traditional instructions by generating 3D interactive instructions that run on iPad, Android devices and on the web—powers the

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building instructions. With the app, LEGO MINDSTORMS EV3 builders can digitally view and interact with the LEGO bricks at each step of the building process. At any time, LEGO MINDSTORMS builders can stop the animation, zoom in on a part or rotate it to see exactly how parts need to be fitted together – putting builders in control of the experience and allowing them to see how it’s built in the way that makes the most sense to each individual. Additional features geared towards providing a fun play experience for LEGO builders include double-tapping a part for component information, and a Map feature that allows users to see exactly which part of the model is being worked on.

In addition to LEGO’s famous bricks, the LEGO MINDSTORMS EV3 set contains a multitude of parts—including motors, infrared sensors and a programmable microcomputer—that allow children to create robots that walk, move or take whatever action they’re programmed to do. LEGO MINDSTORMS EV3 will include the 3D interactive building instructions for five different robots, such as “EV3RSTORM,” a Mohawk-sporting humanoid that shoots mini-spheres as it walks, “SPIK3R,” a scorpion-like robot that searches for an IR beacon bug, or “R3PTAR,” a robotic snake that slithers, shakes and strikes.

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Hyundai Heavy Industries Selects Intergraph® SmartPlant® 3D

12 February 2013

The Industrial Plant & Engineering division of Hyundai Heavy Industries (HHI) has selected Intergraph® SmartPlant® 3D and other SmartPlant Enterprise solutions to establish an integrated engineering environment for its power plant projects.

HHI’s headquarters is in Korea, and its Industrial Plant & Engineering division has been a longtime user of Intergraph solutions. To keep up with a highly competitive power industry, the division needed to evolve and update its engineering systems to leverage next-generation technology. HHI chose SmartPlant 3D, the most advanced plant design solution, along with other SmartPlant Enterprise solutions, including SmartPlant Review, SmartPlant P&ID, SmartSketch® and CAESAR II®. SmartPlant Enterprise’s automation capabilities will enable HHI’s plant division to establish an intelligent engineering system and generate high-quality deliverables for improved productivity and project management, in spite of an aging work force and new, less experienced resources.

“To maintain our position as the world’s leading heavy industries company, it was critical that we continuously innovate and adopt the latest technology,” said Junghag Mun, general manager of the 3D design department at HHI’s Industrial Plant & Engineering division. “We will use SmartPlant 3D, Intergraph’s industry-leading 3D plant design solution, and the integrated SmartPlant Enterprise portfolio to support the engineering and construction of our industrial plant projects, particularly for the power industry. We are confident SmartPlant Enterprise will continue to deliver great value to HHI, enabling us to improve safety, quality and productivity of our projects.”

Gerhard Sallinger, Intergraph Process, Power & Marine president, said, “Intergraph is recognized as the

CIMdata PLM Industry Summary

top provider of engineering design solutions in the global power industry, with SmartPlant 3D offering powerful rules and relationships that automate repetitive tasks, enforce design standards, ensure design integrity and protect design consistency. The comprehensive SmartPlant Enterprise suite will provide HHI with a business process integration platform to support regulatory compliance for enhanced plant reliability. Our ongoing partnership with one of the world's biggest engineering companies is validation of our global leadership position and SmartPlant Enterprise's ability to meet the needs of even the most large-scale and complex projects."

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PTC Creo Brings Super Sentai Series' Power Rangers to Life for Bandai

12 February 2013

[PTC](#) announced today that Bandai Co., Ltd, a leading Japanese toy manufacturer, has adopted [PTC Creo](#)[®] design software for its product design solution. PTC Creo will be used to develop Bandai products, including Bandai's signature Super Sentai brand. The Super Sentai characters have been translated to the internationally well known "Power Rangers" brand, which is broadcast in more than 60 countries worldwide.

The Bandai Boys' Toy group standardized on PTC's Pro/ENGINEER[®] design software for product design in 2006. Bandai also implemented Pro/ENGINEER for mold design, enabling the product design and mold design teams to exchange data directly and accelerate their processes. In 2011, Bandai's Boys' Toy group deployed PTC Creo to take advantage of PTC Creo's direct modeling capabilities in a traditional parametric environment, free-style modeling, and the compatibility between PTC Creo and its legacy CAD tools and imported CAD data. Bandai felt that PTC Creo offered superior capabilities in five areas critical to Bandai's success: base model design, part modeling, assembly modeling, drafting and specification sheet generation. Bandai also felt that the use of PTC Creo would help improve collaboration with its overseas factories and group companies.

Bandai also recognized that in order to achieve its goals, it needed to increase [design agility](#) in its development process. The need for increased design agility in product development is a common challenge facing today's manufacturers. In a recent study on design agility by PTC, 37.9% of surveyed users said that on a recent project, they experienced dramatic or multiple last-minute changes. Further, Chad Jackson, founding Industry Analyst, Lifecycle Insights, notes, "Engineering and design is all about iteration, exploration and discovery. As product designs progress, more design agility is needed to meet the fast-paced demands of development." (*CAD and the Need for Design Agility, ebook*)

PTC Creo provides Bandai with the flexibility to use both direct and parametric modeling approaches for product design. By allowing parametric feature-based models to be changed with direct modeling techniques and enabling the changes to be recorded in the parametric model, PTC Creo helps reduce the impact of late stage design changes and helps increase design agility.

"The Boys' Toy group has never been afraid of change and aggressively pursued 3D CAD systems

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initiatives.” said Takahiro Mizuno, General Manager, Boys’ Toy Department, Bandai. “PTC Creo has enabled us to make last-minute changes quickly through the integration of parametric and direct modeling approaches, leading to reduced time to production and improved efficiency. As a result, we are now able to spend more time on engineering and improve the quality of our products.”

“We are honored that Bandai has adopted PTC Creo as its enterprise design software solution,” said Hiroaki Kuwahara, President, PTC Japan. “PTC is dedicated to helping its customers achieve product and service advantage by providing best-in-class technology solutions like PTC Creo. We look forward to helping the Bandai team achieve success with its 3D CAD initiatives and continue to deliver great products.”

The PTC Creo implementation and technical support for Bandai are provided by Hitachi Solutions, a PTC Channel partner.

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ZW3D CAD/CAM Gives Matsuya Machinery a Competitive Edge

11 February 2013

ZWSOFT announced that its product [ZW3D CAD/CAM](#) was selected by Matsuya Machinery as its CNC machining design software.

Matsuya Machinery (Huizhou) CO., LTD. has been manufacturing flat knitting machines and glove knitting machines since 1946. This longevity and expertise has led Matsuya to demanding high quality in every aspect of their business, ranging from the software they use to their after sales service network. This strict quality control has lead Matsuya Machinery to a high reputation among their customers throughout the world.

The knitting machine industry has strict and highly specified requirements. The machines require high precision and accuracy, but have very short design cycles. The trial cost is high for these machines and need to be strictly controlled. In order for Matsuya Machinery to keep their leading position with these tough requirements, they purchased CNC machining equipment from Japan in 2008. In order to fully optimize these cutting-edge machines, Matsuya Machinery needed to find professional 3D CAD/CAM software. One of the most important features they needed in new software was an all-in-one CAD/CAM system that would help them achieve a higher efficiency.

Matsuya conducted surveys on all of the major 3D CAD software that was available to them. ZW3D impressed them with the many features they would be able to implement, especially the seamless data connection, which is exactly what they needed.

After rounds of comprehensive testing and evaluation, the engineers at Matsuya Machinery commented,

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“The unique overdrive kernel of ZW3D is just as good as other foreign software, such as Pro/e, UG, and Solid Works, when conducting 3D CAD design. It reduces working hours and amount of material consumed in production. As for the CAM function, ZW3D can be used to edit crucial parts such as cam, connecting rods and wallboards, which greatly enhances production speed and flexibility.”

In the highly competitive 3D CAD market, cost is also an important factor that every company needs to address. Compared to other expensive 3D CAD software, ZW3D not only met all of Matsuya Machinery’s requirements, but also gave them a more reasonable price and friendly upgrade policy that allowed Matsuya to remain competitive. It also gave the company flexibility, as they are not forced to make any future updates that they might not need. This made it possible for Matsuya Machinery to reduce their costs and place more capital and resources in other areas. After a thorough consideration, Matsuya chose ZW3D as their CNC machining design software.

When Matsuya decided to implement ZW3D in their company, a ZW3D training team was formed to help them integrate the software into their daily work. The comprehensive and custom service of ZW3D greatly reduced the initial time lost due to introduction of new software and helped avoid possible mistakes caused by unfamiliarity with the software.

Mr. Zhou, an engineer from Matsuya Machinery, thought highly of the customized training and said, “The ZW3D technical team provided very helpful training services, and they solved our problems with high efficiency. The offer of on-site training is what I am most satisfied about.”

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Product News

Altium Designer 2013 Offers Enhanced Features and Open Design Platform

12 February 2013

[Altium](#) announces the release of Altium Designer 2013.

Altium Designer 2013 not only delivers new and enhanced features, it also opens up Altium's design platform to key partners. This creates a range of new opportunities for users, partners and system integrators and represents a quantum leap for the industry.

As part of Altium's continuous content delivery model, Altium Subscription customers have already benefited from the many enhancements that have been delivered since Release 12. Altium Designer 2013 further improves the design environment for users by delivering several new PCB features and updates to the core PCB and Schematic tools.

Key features of Altium Designer 2013 include:

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- PCB object and Layer transparency settings - New PCB object and Layer transparency settings have been added to the View Configurations dialog;
- Silk to Solder Mask design rule - A new rule with new checking modes (to exposed copper and to solder mask openings) has been added;
- Outline vertices editor for PCB Polygon Pours - New outline vertices editor for Polygon Pour, Polygon Cutout and Solid Region objects;
- Polygon Blankets - Ability to define polygonal-shaped blanket directives has been added;
- Schematic Pin name/designator position, font and color customization - the pin name and designator position, font and color can now be customized individually
- Port height and font control - Port height, border width and text font can now be individually controlled;
- Schematic Hyperlinks - Text objects in schematic documents now support hyperlinks
- Smart PDF documents contain component parameters - Clicking on a component in a PDF file produced by SmartPDF will display the parameters of that component
- Microchip Touch Controls support - Support for Microchip mTouch capacitive controls has been added; and
- Improved DXP platform - DXP platform has been upgraded to provide a robust and open development environment.

A full overview of Altium Designer 2013 can be found in the Altium [Wiki](#).

"The release process for Altium Designer 2013 was one of the most intense we have been through to date, but the interaction and collaboration with some of our most engaged customers has made it one of the most successful," says Matt Schwaiger, a senior member of Altium's Product Management team. "User collaboration ensures our new features and enhancements bring the most value to our community as a whole."

The new Altium AppsBuilder will be available shortly, which will allow for the creation of custom applications and extend Altium's DXP design environment even further.

"Altium Designer 2013 is a milestone release as it provides an open platform expanding our reach beyond the user community (of more than 80,000 engineers working on the DXP platform) into industry partner communities," said Frank Hoschar, CMO at Altium.

Altium Designer 13 provides a number of key enhancements, which include:

- New Via Stitching capabilities providing support for RF and high-speed designs,
- Greater flexibility for re-annotating PCB designs;
- Other PCB productivity enhancements including; improved cross-select mode, improved selection controls and easier polygon pour management;
- Improvements to the Mentor PADS PCB, PADS Logic and Expedition importers and Ansoft and

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Hyperlynx exporters; and

- Support for ARM Cortex-M3 Discrete Processors, SEGGER J-Link and Altera Arria2GX FPGAs.

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AVEVA Announces AVEVA Marine Business Value Calculator

13 February 2013

AVEVA today announced the launch of the AVEVA Marine Business Value Calculator (BVC), an interactive application that illustrates the project cost savings, up to 30% across all disciplines, by adopting AVEVA's Integrated Engineering & Design solution, AVEVA Marine.

'We have worked with experts in the industry who have given us credible project criteria with which to illustrate the achievable cost savings', Bruce Douglas, Senior Vice-President, EDS Strategy & Marketing, AVEVA. 'As a result, we can confidently demonstrate major time and cost savings with AVEVA Marine, which will give our customers significant competitive advantage.'

Based on data from authoritative industry sources and feedback from customers, the BVC enables users to project potential design and engineering cost savings as well as production man-hours and material savings when using the advanced discipline-specific modules from the AVEVA Marine portfolio as compared with Tribon. Existing AVEVA Marine customers will be able to see how they too can achieve further savings by using a broader selection of the Marine portfolio.

By selecting the vessel type and size, the BVC employs a number of predefined criteria based on typical marine industry standards, including splits between materials and labour, design and production, and hull and outfitting for different classes of vessel. Adjusting these input parameters to match a company's existing cost structure on its typical types of project means that the BVC can provide a realistic projection of overall cost saving that that company could achieve.

Mr Douglas added, 'As the customer testimonials included in the BVC confirm, AVEVA Marine has been extremely well received throughout the marine industry. The cost saving enabled by our comprehensive portfolio of engineering and design software applications is one clear reason for this success. Because every shipyard is unique and many possible combinations of AVEVA Marine products can be selected, we developed the BVC to help engineers and managers to more accurately estimate the savings that can be achieved in their specific situation.'

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BETA CAE Systems S.A. Announces the Availability of an Updated License Key for the CAD Data to ANSA 14.0.0 and 13.2.4 Translators

15 February 2013

BETA CAE Systems S.A. announces the availability of the updated license key for the CAD data to ANSA translators that are based on the technology of its supplier, CT CoreTechnologie GmbH (only). The current license key is valid until 21-Mar-2013. In order to keep the current CT-based CAD Data to ANSA translators of v14.0.0 and 13.2.4 running, you need to download and install a new libCT.key according to the following instructions. Previous versions of the translators do not require an update of their license key. This new license key is valid until 30 September 2014 and it will be updated on time.

Where to download from

Customers who are served directly by BETA CAE Systems S.A. may download the new software, examples and documentation from their account on our server. They can access their account through the "user login" link at our web site <http://www.beta-cae.gr> Contact us if you miss your account details. The [Public] link will give you access to the public downloads area. Customers who are served by a local business agent should contact the local support channel for software distribution details.

What to download

To get the updated CAD Data to ANSA translators license key:

- Login to your account at our server.
- Follow the [PUBLIC] link at the top of the page.
- Follow the link to the sub-folder named TRANSLATORS_KEY.
- Download the libCT_2012.key (dated 02-13-2013). This file is the updated key for versions 14.0.0 and 13.2.4. It is valid until 30 September 2014 .

Installation

To keep the CAD Data to ANSA translators of v14.0.0 and 13.2.4 running:

- Download the file libCT_2012.key dated 02-13-2013, following the instructions described above.
- Rename it to libCT.key.
- Place it inside the \lib\CT_2012_SP3\ sub-directory of your ANSA v14.0.0 installation location at your systems and overwrite any file with the same name in that folder.

The new license file is valid until September 30th, 2014.

Compatibility

This updated license file enables the CAD data to ANSA translators of v14.0.0, which are based on the technology of CT CoreTechnologie GmbH (only). This updated license file covers also the CAD data to ANSA translators of v13.2.4, whose current license key is also valid until 21-Mar-2013. No update is required for the translators based on other technologies, i.e. JT to ANSA translator, NX to ANSA

translator based on UGOpen libraries.

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BobCAD-CAM Offers Power 4 Axis CNC Software for Cutting in Non-Simultaneous Motion

13 February 2013

BobCAD-CAM's new V25 4th Axis Standard software includes everything that is needed to cut in a non-simultaneous motion. It is perfect for machinists that only need to index or wrap cuts around cylinders or tapered stock, and is commonly used to create pool cues or cut pipes.

There are three basic methods to using a 4th axis in BobCAD-CAM: wrapping, indexing, and rotary.

Wrapping refers to a continuously moving rotary axis where one axis is dropped in favor of the rotary. Wrapping does exactly what it implies – it takes the 2D or 3D tool paths and wraps them around a cylinder.

Using a wrapping group requires the user to lay his work out flat, and the tool paths will be wrapped to a defined cylinder. If the user is beginning with a solid part, BobCAD software offers an [unwrapping CAD feature](#) that will automatically unwrap the 3D geometry for him and lay it out flat, right in the program. Users also have the ability to setup multiple wrapping groups for different diameter cylinders that they are working with.

For most parts, setting up the stock is all that is required to wrap on the 4th axis.

Indexing is a manual method of indexing or rotating a part using the 4th axis. This feature allows the user to [index the part](#) for machining on a specific face. A user creates an index by picking a surface, and once the part is indexed the user can apply both the 2D and 3D tool path options.

The rotary feature is similar to wrapping, but does not require flat geometry. This feature works with a solid 3D model to create 4th Axis cutting. The fact that the user will not need to lay his work out flat, but rather simply load a solid and program it, makes working with solids much easier for machinists.

The [4 Axis Rotary](#) toolpaths give the user the option to cut along or around the model, with a Zig, Zig Zag, or spiral pattern. It is a great toolpath that can be used for a variety of applications.

Call BobCAD directly at 877-262-2231 or visit <http://www.bobcad.com> to learn more about the V25 4 Axis Standard software and download a free trial version today.

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Delcam's PartMaker Offers Free Viewer for Data Sharing

11 February 2013

Delcam's PartMaker Division has launched a new, free utility called PartMaker Viewer. This allows users to view 2D prints, 3D models and even complete 3D assemblies and so provides a great tool for viewing and sharing manufacturing and engineering data. The software can be downloaded at <http://www.partmaker.com/viewer>.

One very beneficial feature of PartMaker Viewer is that allows PartMaker users to collaborate with others in their organization as well as those outside of it who may not have access to PartMaker, free of cost. With PartMaker Viewer anyone, be it company management, shop floor personnel or even a shop's customers or other external partners can see the work being done in PartMaker. This can easily be done by just exporting a file from PartMaker's Simulation as an STL and bringing it into PartMaker Viewer.

PartMaker Viewer is a free utility offered by Delcam. It is not a timed evaluation that will expire. Contract manufacturers and job shops can encourage their customers to download PartMaker Viewer in order to work more collaboratively with them.

"PartMaker Viewer is a great addition to the PartMaker CAD/CAM software suite," says PartMaker Division, President Hanan Fishman. "With the addition of PartMaker Modeling last year and the recent introduction of the new Advanced Surface Machining module, PartMaker is perhaps the most complete suite of production-oriented CAD/CAM software on the market today. PartMaker provides a complete production engineering CAD/CAM solution from geometry creation, to engineering data repair and modification to tool path creation to machine simulation to NC code generation."

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Geomagic Signs More Than 30 New Resellers Worldwide and Announces Promotions for Geomagic Spark

14 February 2013

Geomagic[®] announced it has signed over 30 new resellers worldwide as part of its Geomagic Spark product launch. The Company also kicked off a loyalty promotion that rewards existing customers with a price incentive as they add Geomagic Spark into their product design processes.

Geomagic Spark, the company's newest 3D software solution, blends live 3D scanning, powerful point cloud and mesh editing, direct-modeling CAD and more – all within a single application. With included CAD tools, like assembly relationship modeling and annotated 2D drawing creation, Geomagic Spark is helping automotive, electronics, industrial design, consumer goods, tooling and aerospace companies accelerate product development, facilitate better inter-team communication, increase reliability in scan-

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to-CAD operations, produce documentation, and shorten design windows.

Since the announcement of Geomagic Spark in November 2012, Geomagic has recruited dozens of new resellers who are excited about the new product.

“Geomagic Spark represents a quantum leap in modeling from scan data that my customers have been asking for,” said Paul Benbow, president, [NextWave Technology](#), a new reseller for Geomagic.

“Geomagic Spark enables them to go easily from scan to modeling and then to edit those models. You can easily model from partial scans, and ultimately be more productive. It’s a sure market winner.”

“Geomagic Spark has piqued the interest of many new resellers, and we’re excited about that. Our new resellers enable greater access for customers throughout the worldwide design community,” said Len Chamberlain, vice president of sales, Geomagic. “Spark is creating new opportunities for companies that already have scanners and for those that use scan service bureaus. Its user-friendly interface enables everyone to participate in the design process, eliminating the bottlenecks that often clog traditional CAD departments.”

A full list of resellers for Geomagic can be found at www.geomagic.com.

To further build momentum for its newest product, Geomagic is offering attractive price promotions to existing customers that have maintenance contracts with Geomagic. The promotional pricing is only available through March 31, 2013, to current commercial customers with active contracts, or current customers who purchase a new 2-year maintenance contract. Educational institutions, which already enjoy a deeper discount, are excluded from this promotion. Customers can find out more through their resellers or directly with Geomagic.

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Intergraph® Announces Launch of Geospatial SDI 2013

13 February 2013

Intergraph® announces the release of Geospatial SDI 2013 as part of [Intergraph Geospatial Portfolio 2013](#). An interoperable and scalable spatial data infrastructure for cataloging and delivering enterprise geospatial data over the web, Geospatial SDI 2013 is designed for data providers that need to manage and serve secure or licensed information using standards-based web services.

Adhering to OGC, INSPIRE and ISO standards for web services and metadata compliance, Geospatial SDI can extend those offered in GeoMedia® WebMap and ERDAS APOLLO. Geospatial SDI provides the full set of services required of SDI implementations. It also provides tools for managing, monitoring and reporting of service performance.

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"Many data providers leverage standards-based web services for managing and sharing geospatial information," said Mladen Stojic, Vice President – Geospatial, Intergraph. "The enhanced Geospatial SDI 2013 will allow these organizations to leverage the right spatial data infrastructure for cataloging and delivering enterprise geospatial data over the web."

New features of Geospatial SDI 2013 include:

- **Repackaging:** Geospatial SDI 2013, formerly GeoMedia SDI Pro, now contains the features and functionality of the former product and includes additional new functionality.
- **New Administration Console:** A new web-based administration console provides the means for creating and configuring all aspects of server-side engines, web services and web applications in one place. Web service instances for any type of service can be created, configured and removed, including OGC and INSPIRE service metadata, and monitoring and logging capabilities.
- **All Web Services Meet OGC and INSPIRE Specifications:** New performance monitoring and logging is provided for these standards.
- **Catalog Editor:** The catalog editing utility is now bundled with the product, allowing users to create, edit, and delete catalog metadata record.

To learn more about Intergraph Geospatial Portfolio 2013, please visit geospatial.intergraph.com/2013.

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Intergraph® Releases CloudWorx for SmartPlant® Isometrics 2012 R1

13 February 2013

Intergraph® has released CloudWorx for SmartPlant® Isometrics 2012 R1, a valuable add-on to its SmartPlant Isometrics solution that allows users to quickly create accurate, as-built piping isometrics directly from a laser scan point cloud. CloudWorx for SmartPlant Isometrics 2012 R1 leverages Leica Geosystems' industry-leading Cyclone software technology to efficiently display the laser scan point cloud and navigate through it in a window with measured piping data overlaid graphically, a revolutionary method of creating as-built piping asset documentation. Intergraph and Leica Geosystems are parts of Hexagon.

CloudWorx for SmartPlant Isometrics supports the rapid creation of piping isometric documents using Intergraph ISOGEN®, the world's leading solution for the total automation of piping isometric drawing production. The easily understood sketching functionality and automated drawing creation means CAD or 3D skills are not required, but also allows experienced piping designers to be highly productive in creating as-built piping data.

The software is complementary to 3D model-based solutions based on Smart 3D, PDS® or CADWorx®, since the same ISOGEN software is used to produce the deliverable. Results are consistent and underlying data – regardless of its source – can be used to create documentation for inspection of

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pipng systems, including the automated, rule-based placement of inspection location points.

When used in conjunction with SmartPlant Enterprise for Owner Operators (SPO), the comprehensive as-built documentation can be managed to ensure the integrity of the piping asset. SPO adds change management and audit capability when the piping documents are published to the plant engineering data store and maintained through time. With the new SPO TruView integration capability, CloudWorx for SmartPlant Isometrics can use the same point cloud data to create piping documentation as needed for operating and maintaining a facility, or to document the as-built asset in line with industry regulations.

George Labuschagne, senior database administrator with MegChem Engineering and Drafting Services (Pty) Ltd in South Africa, which was involved from concept through beta testing to production release, said, “Gaining the ability to interact with and interrogate scanned point cloud data directly from within SmartPlant Isometrics allows MegChem to deliver isometric drawings to our clients that conform to the highest level of accuracy and integrity. By having this new functionality within SmartPlant Isometrics, a significant amount of time is saved during the modeling as well as the checking phases of producing quality isometric drawings in the fastest allowable time.

“At MegChem, we now use CloudWorx for SmartPlant Isometrics as part of our tool set to maintain our position as an engineering house committed to engineering excellence.”

Patrick Holcomb, Intergraph Process, Power & Marine’s executive vice president of global business development and marketing, said, “CloudWorx for SmartPlant Isometrics offers a new and better approach to the creation of accurate, as-built piping asset documentation. The emphasis is on producing a practical, usable document for regulatory compliance, planning, inspection and fabrication as quickly and as cost-effectively as possible. Now you can do a traditional plant walkdown, where you can measure anything you can see, all without visiting the facility.”

SmartPlant Isometrics, powered by ISOGEN, is the Intergraph solution designed to document piping systems with industry-standard piping isometric drawings, and is ideal for site-based piping engineers and designers. SmartPlant Isometrics can read design isometrics from almost any 3D plant design system, or create new isometrics quickly and accurately from sketches, and it generates a high-quality record for planning, cost estimation, inspection, or design of modifications.

For more information about CloudWorx for SmartPlant Isometrics, visit www.intergraph.com/products/ppm/smartplant/isometrics/cloudworx/default.aspx.

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ITI TranscenData Now Offers Feature Based CAD Translation for Solid Edge

11 February 2013

ITI TranscenData announced today the addition of a native Solid Edge® interface in the latest version of

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their [Proficiency](#) Collaboration Gateway solution. Collaboration Gateway V11 enables the transfer of complete design intelligence between major CAD systems which includes geometry, features, sketches, manufacturing info, metadata, assembly information and drawings in the conversion process.

The new interface offers support for Solid Edge ST3 and ST5, including assemblies, parts and associative drawings. It is fully integrated into the Collaboration Gateway product suite and provides a complete automatic solution for legacy data migration and OEM delivery to the users of Solid Edge.

Version 11 offers also a range of major productivity enhancements, including:

- **Support for Autodesk® Inventor® Associative Drawings** - reducing the cost of drawing conversions for the users of Inventor.
- **Integration of [CADIQ](#)** – ITI's product validation solution ensures correctness and quality of data conversion within Collaboration Gateway.
- **New NX 2D Completion Wizard** - facilitating semi-automated completion of converted drawings.

"The latest enhancements in Proficiency's data exchange product suite align with the current market trends and most recent requirements of our customers" said Alex Tsechansky, General Manager of ITI Proficiency, Ltd. "The new interfaces and productivity enhancements reflect our continuing focus on massive legacy data migration projects and make Collaboration Gateway an essential tool for any organization moving to a new CAD system," added Tsechansky.

Proficiency Collaboration Gateway also supports automatic feature based data exchange for I-deas™, NX™, Pro/Engineer®, CATIA® V4 and CATIA® V5.

To learn more, please visit: www.proficiency.com

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Luxion Releases KeyShot® 4

14 February 2013

Luxion is pleased to release KeyShot 4, the next generation of Luxion's rendering and animation solution.

Luxion continues to develop their rendering technology to bring speed and improvements to KeyShot, making it an even more integral part of the product development process, from concept all the way through to sales and marketing. This release builds on the integration and accuracy that sets KeyShot apart from other rendering solutions allowing designers, engineer, marketing professionals, CGI artists, and photographers to create stunning renderings, animations and interactive visuals even faster than ever

before.

Overview

With KeyShot 4, they are proud to announce new approaches to features and greatly improved rendering enhancements that make KeyShot the fastest, most accurate 3D rendering and animation system for the product visual workflow. New 'Live Linking' capability allows Creo®, SolidWorks®, and Rhinoceros users to maintain all part and feature updates made to their models without having to redo any of their work inside KeyShot. Luxion introduces an all new method for applying physical lights, with the ability to turn any object in the scene into a point, area or IES light source. Improved import options give users more flexibility when importing 3D geometry and the ability to work with the actual units of their modeling software. Additionally, users gain the advantage of increased color options through the inclusion of PANTONE®, RAL and custom color libraries to create, store and share their own color creations.

More material options come with an exclusive partnership with Mold-tech® introducing the first accurate representations of Mold-Tech textures. More realism is seen with improved algorithms for subsurface light scattering within Translucent materials. Increased control over the model and environment is provided with the ability to apply rounded edges to sharp corners, multi-select objects in the real-time window and create ground planes. KeyShot Pro users now have the ability to apply render layers to objects and create Model or View Sets to explore different configurations of product appearances, camera views and environments. Pro users will also experience enhanced HDR editing capability with dynamic environment highlighting and options to tilt and blur HDRI's. The KeyShot user interface now comes with the ability to dock project, library and animation windows. Optionally, models can now be viewed in full stereoscopic 3D on supported 3D monitors, with the use of any stereo-capable graphics card.

Live Linking

Luxion has developed the ability to connect Creo®, SolidWorks® and Rhinoceros 3D modeling applications with KeyShot in a live session. With this enhancement, users will be able to make a change to the design at any level and send it directly to a running session of KeyShot. The scene inside KeyShot will update automatically and either replace the existing design or add the new design iteration to the existing scene. Live Linking will be included as part of each plugin for KeyShot and can be accessed from the 3D software menu or toolbar area with a single click that transfers the updated SolidWorks model to the KeyShot session. This capability requires a separate plugin which is available free of charge from the KeyShot website.

A full overview of all new features and enhancements is available [here](#).

For more information please contact sales@luxion.com. For more information on KeyShot 3D rendering, animation and KeyShotVR please visit www.keyshot.com.

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New App for iPad Unleashes 3D Creatures From Your Imagination Into Reality

14 February 2013

[Autodesk, Inc.](#) unveiled Autodesk 123D Creature, a new iPad app that gives anyone the ability to create and 3D print amazing 3D characters. Inspired by the same technology preferred by professional designers and 3D artists, Autodesk 123D Creature makes getting started as easy as drawing a stick figure.

“Now, for the first time, 123D Creature makes it easy for anyone to create a sophisticated creature on an iPad, and then have a 3D print delivered to their doorstep with a few swipes of their finger,” said Samir Hanna, vice president of Consumer Products at Autodesk. “With our 123D family of apps, we strive to put powerful 3D technology into the hands of anyone who wants to be creative, and we look forward to seeing the original creatures people will create and share with the community.”

Create and Showcase Incredible Creature Features

Making original characters with Autodesk 123D Creature starts with a simple skeleton creator where users lay out the basic anatomy of their creature in digital clay. Multi-Touch gestures allow users to thicken, stretch and sculpt their creature with many of the tools familiar to users of the popular [123D Sculpt](#) app. Once finished sculpting and shaping, a creature can be airbrushed or adorned with decals and textures imported from the user’s iPad photo library. To show off a finished creation, users can bring the creature into the render room where they can customize lighting and shadows, apply filters, and import background photos to generate amazing images to share with their friends.

Users who want a sculpture of their masterpiece that they can hold in their hand, can order a 3D print of their creature, with a few steps, that will be mailed to them from Sculpteo’s 3D printing services embedded within the app. Artists can also enhance their characters at a professional level in other Autodesk 3D visual effects and animation software including [Autodesk Maya](#) and [Autodesk 3ds Max](#).

The Autodesk 123D Creature App is exclusively available from the App Store on iPad or at <http://appstore.com/AutodeskInc/123DCreature>. The retail price of app will be priced at US \$7.99, but at launch, the app will be offered at a special price of \$1.99 for a limited time.

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PTC Empowers Small Businesses to Streamline Product Data Management

14 February 2013

[PTC®](#) today announced [PTC Windchill® PDM Essentials™](#), a product data management (PDM) solution for the small business market. The new offering, which will be sold exclusively through PTC’s channel partners worldwide, takes PTC’s [product lifecycle management \(PLM\)](#) software and “right

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sizes” it for use by small manufacturers.

The need has never been greater. In the U.S. alone, 99 percent of all manufacturing companies employ fewer than 500 people. They account for over half the total value of U.S. production and employ nearly 12 million people.¹ They also face the same challenges as larger companies: the complexity of bringing products to market and the need to continually innovate. Yet, while large manufacturers have long relied on enterprise-class PLM solutions to help coordinate strategy and planning activities related to product development, small businesses have often shied away from adopting such solutions due to perceived deployment complexity. With this offering, PTC removes those barriers to adoption, and has enabled its channel partners exclusively to meet this growing market demand.

“Without doubt, small manufacturers have some of the same need for industrial strength product data management tools as the big guys,” said Thane Hathaway, CEO EAC. “That said, they don’t always have the same level of IT infrastructure to support such tools. PTC Windchill PDM Essentials gives them just what they need to securely and efficiently share and manage product information.”

PTC has taken the strengths of its enterprise PLM solution and created a “right sized” package for small companies. PTC Windchill PDM Essentials is easy to deploy, containing everything a customer needs to get up and running – including a Microsoft SQL Server database – in one easy-to-install package.

“We’ve heard from many smaller customers that while they like the look and capabilities of PTC Windchill 10.0, they need a solution more tailored to their smaller infrastructure,” said Brian Shepherd, Executive Vice President, PLM, ALM & SCM segments, PTC. “With PTC Windchill PDM Essentials, we are now offering small companies what they need for CAD data management - a simple way to securely manage all CAD documents and ensure data integrity.”

This offering also helps companies scale business and product development activities to ensure repeatability. For example, rudimentary processes may be sufficient if there are only a few people involved in product development. But as a company grows, a lack of defined, scalable processes can cause confusion and chaos. PTC Windchill PDM Essentials allows customers to enable simple controls and processes to help make everyone more efficient. This helps keep costs low and output high, while maintaining flexibility and adaptability, and maximizing ROI.

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ThomasNet's Clients' CAD Models Now Available to Users of Siemens' NX Software

12 February 2013

Thomas Industrial Network, a new Siemens Software & Technology Partner, announced the availability of a Direct Insert Driver for [NX™ software](#), Siemens PLM Software’s fully integrated computer-aided design, manufacturing and engineering analysis (CAD/CAM/CAE) solution. This tool provides NX users with seamless access to models from Thomas’ 2D/3D WebCAD clients and directly inserts 3D

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CAD data and related information into NX.

ThomasNet's 2D/3D WebCAD Publishing Technology, powered by the company's Navigator Platform, enables part/component suppliers to publish their detailed product information in a file format that is compatible with all major CAD systems. Design engineers find parts and products online to specify into their designs and download models and drawings directly, which helps save time and eliminate errors.

Models include front-to-back, top-to-bottom and side-to-side views, complete with dimensional information to help engineers ensure that the parts will fit correctly. The models and drawings also include the full bill of materials for use by purchasing departments.

"We're delighted to provide this technology enhancement to our clients and open up the potential for new business from engineers using Siemens' NX software," said Peter Mooney, Product Director of Enterprise Solutions at Thomas Industrial Network.

"We are pleased that Thomas Industrial Network has joined the Siemens Solution Partner Program as a Software & Technology Partner. This technology gives NX users access to Thomas' broad ranges of 3D CAD models for use in designs," said Bill Boswell, Senior Director of Partner Strategy, Siemens PLM Software.

For more information about ThomasNet and its complete suite of solutions for industry, go to www.thomasenterprisesolutions.com.

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SpaceClaim and BETA CAE Systems Announce the Integration of SpaceClaim Engineer and ANSA
13 February 2013

[SpaceClaim](#) and [BETA CAE Systems](#) announce a direct integration of SpaceClaim Engineer and ANSA.

ANSA is a multidisciplinary CAE pre-processing tool that provides all the required functionality for full-model build up in a single integrated environment. ANSA is robust, easy to learn, customizable, and provides a wide range of features and tools that streamline the analysis and simulation process. The interaction with SpaceClaim Engineer ensures that ANSA customers can effectively use the most advanced geometry preparation and repair tool available on the market today.

"We are enthusiastic about integrating ANSA with SpaceClaim Engineer," said Sam Saltiel, Chief Communications Officer of BETA CAE Systems, "as it enables our customers to receive all the benefits from the best geometry preparation tool on the market, further advancing our simulation modeling solutions. The work involved in developing this integration was challenging, but our cooperation with

SpaceClaim was outstanding during that process,” he concluded.

“Combining the 3D direct modeling capabilities of SpaceClaim Engineer with ANSA’s preprocessing solution for multidisciplinary CAE work will give ANSA users the best in class tool for CAE geometry creation and CAD model preparation,” said Rich Moore, VP of Business Development, SpaceClaim. “This integration will ensure we continue to offer our engineering users in simulation, design and analysis the ability to use SpaceClaim’s fast and flexible 3D direct modeling in conjunction with the best-in-class pre-processing software,” he added.

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Zuken’s CADSTAR 14 Packs a Punch in the Fight against Design Errors

14 February 2013

Zuken announces help for PCB designers looking to improve their bottom line by driving out design errors.

The latest release of [CADSTAR version 14](#), available now, contains a significant range of customer-requested enhancements and new functionality. Designers using Zuken’s desktop design solution will benefit from improved productivity and reduced design times through key enhancements. These include improved error report management, an updated BGA wizard and automatic net rerouting.

Identify critical design errors early

PCB designers play a pivotal role, collaborating with both electronics engineers and mechanical designers in the electronic product development process. One of the common issues faced is identifying critical design errors late in the process when the file has already been sent to manufacturing, which leads to costly changes and delayed time to market.

CADSTAR 14 offers new features to help identify critical errors early in the design process, saving time and expense:

- Errors captured in the design rule check report can be marked as accepted to ease the design review process and improve communication of the status of each error.
- User-defined color-coding of accepted and non-accepted errors to aid traceability.
- Improved error report management; the most important errors appear at the start of the report allowing designers to focus on critical issues in the design.

Speedy wizards reduce design time

Creating libraries is now easier and faster with the enhanced BGA Wizard that allows mirror viewing and editing of footprints in the parts library. The BGA and Staggered Grid Wizards have also been improved to allow additional pin configurations to be specified, enabling automated creation of any

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simple to complex high pin-count device.

Doug Zalaf, ECAD Team Leader, Surrey Satellite Technology explains: “The ability to quickly create complex BGA parts directly impacts our development cycle. New BGA Wizards in CADSTAR 14 allow us to get the design ready for layout much faster and consequently allow more time for routing and design optimization.”

Reroute automatically

Designers are often frustrated when they move components and nets on the design, only to find themselves spending more time untangling nets to avoid unwanted crossing of connections and symbols. CADSTAR 14 now dynamically reroutes nets when components are moved during logical circuit design, saving time and improving productivity.

Free evaluation software

With the release of CADSTAR 14 Zuken has also updated [CADSTAR Express](#), the free, award-winning evaluation software from Zuken, which is now available for download. This is ideal for designers, students, and all those who want to try the latest version of this powerful PCB design solution to get a feel for how easy it is to use. This CADSTAR Express update is supported by easy-to-follow tutorials and more than 35 videos.

All basic functionality of CADSTAR 14 is included, with a limit of 300 pins and 50 components. Other features include a free parts library featuring 2,000 parts from the extensive 250,000 online CADSTAR parts library.

For more information about CADSTAR 14 see www.zuken.com/cadstar14.

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