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CIMdata News

Managing Product Lifecycles with Evolving Conflict Mineral Regulations: a CIMdata Commentary

12 November 2014

Key takeaways:

- *Conflict minerals rules in the Dodd-Frank Act require companies to assess, track and report the usage of tin, tantalum, tungsten, and gold (3TG) in their global supply chains, yet another in a series of important compliance mandates*
- *Providing conflict mineral traceability is required for many industries, and managing that data is challenging*
- *Along with material compliance data, PLM can provide a necessary engine for early traceability for 3TG utilization in product designs*
- *Conflict minerals regulations highlight the need for a versatile framework that can manage similar needs in the future*

What are Conflict Minerals

Conflict minerals are specific minerals whose sale is supporting an on-going conflict. In this case, they include cassiterite (tin), wolframite (tungsten), coltan (tantalum), and gold ore, which are extracted from the Eastern Congo and passed through a variety of intermediaries before being purchased by multinational companies. These minerals are mined and sold under the sponsorship of various armed militant groups to prolong the on-going violence in the conflict zone. The idea behind restricting conflict

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minerals is to prevent profits from their sale by tracking and prohibiting their use. Without this source of financial support, the fighting and human rights violations will eventually be stopped or reduced. The challenge is that demand for such minerals is growing as they are critical for many goods that our society buys in great quantities, such as mobile phones, laptops, other popular electronic devices, and many other products.

There have been various international efforts made to reduce the trade of conflict minerals. In the US, the 2010 Dodd-Frank Wall Street Reform and Consumer Protection Act requires manufacturers to audit their supply chain and report on any conflict mineral usage. More legislation is likely to arrive in 2015.

Today, most companies, as a part of Corporate Social Responsibility initiatives, do a Reasonable Country of Origin (RCOI) evaluation. Full transparency to the minerals sourcing trail is needed to ensure that conflict zone sourcing is avoided. All companies involved in manufacturing and the supply chain, from OEMs to component manufacturers, must determine that their smelter is conflict-free, or use a smelter from a conflict-free consortium. This can get complicated when trying to balance the needs of business and the risk of non-compliance. It is likely that more industries, more minerals, and expanded conflict zones will make this even more complex in the future.

Most companies audit and report on their suppliers voluntarily. Without the proper tools to audit and report the status of suppliers, it becomes very difficult to track this information. CIMdata believes that what is now a voluntary activity today may become a mandatory requirement in the future, and businesses will be hampered without a method to track compliance.

How to Address Conflict Minerals

Most of the material information can be captured in early stages of the product lifecycle and reside in PLM. However, this requires a combination of additional supply chain information and PLM integration. Identifying the products and parts using 3TG minerals, tracing its supply chain, and reporting the exceptions can only be achieved with a flexible PLM framework.

Wipro, a leading global engineering and information technology services company, has developed a PLM framework that provides the traceability needed to assure compliance for conflict minerals. It provides three layers of support:

- Tactical—Early identification of potential source of utilization of conflict minerals.
- Operational—Framework and process to collect and roll up the data. This includes tools aligned to the regulatory framework.
- Strategic—Reducing the risk for enterprises due to non-compliance and improving the brand by helping the global community.

With such a framework, companies are able to manage the traceability of the conflict minerals used in their products and information related to material source with confidence. Currently, Windchill, Agile, ENOVIA, and Teamcenter are the PLM platforms supported by this framework. The framework can be applied to these PLM platforms to manage traceability and a view of the status of conflict minerals and updates in real time.

CIMdata believes that a flexible compliance management solution will be needed by many manufacturers in the future, and could potentially provide a competitive advantage in industries where conflict minerals continue to be an issue. Companies who respond to the conflict minerals challenge today will be much better positioned for future developments than those who wait.

Conclusion

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The challenges for those companies that use conflict minerals will only grow in the future. Legislation that requires compliance with international law will continue to evolve over the next few years. Potentially the issue of conflict minerals could affect business, and even stop production if compliance is not assured.

This solution from Wipro is a good step to assure compliance with conflict mineral regulations. The ability to identify, track, and report on the use of conflict minerals provides just the type of solution that will be needed now and in the future. Their choice to develop a solution that is independent of the underlying PLM platform will benefit users of all the different platforms as Wipro builds their customer base. CIMdata believes this could have a major impact on the ability to get popular consumer products to customers with positive impacts on human lives in conflict-affected zones.

This area deserves continued attention as the scope and legal requirements evolve and result in binding legislation. We applaud Wipro for addressing this challenging area and look forward to continued progress on solutions that support the management of conflict minerals.

About CIMdata

CIMdata, an independent worldwide firm, provides strategic management consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM). CIMdata provides world-class knowledge, expertise, and best-practice methods on PLM. CIMdata also offers research, subscription services, publications, and education through international conferences. To learn more about CIMdata's services, visit our website at <http://www.CIMdata.com> or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA. Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands. Tel: +31 (0) 495.533.666.

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Acquisitions

Trimble Acquires UK-based Amtech Group to expand its Global Presence in the Mechanical, Electrical and Plumbing Market

11 November 2014

Trimble announced it has acquired privately-held [Amtech Group Limited](#) based in Milton Keynes, United Kingdom from Primary Capital Limited and senior management. Amtech is a leader in the UK in Mechanical, Electrical and Plumbing (MEP) construction industry software solutions for specification, design, estimating, procurement, construction management and operation. Financial terms were not disclosed.

Amtech provides on-premise and software-as-a-service (SaaS) solutions, which include:

- [LUCKINSlive.com](#): a powerful content and pricing service solution for contractors and engineers in the UK which, when integrated with Estimating and NES, creates a powerful workflow throughout the construction cycle.
- [Enterprise Estimating](#): a UK-specific estimating software that, when combined with LUCKINS pricing data, gives contractors the ability to have up-to-date pricing information for accurate and competitive bidding.

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- [ProDesign](#): leading electrical design software that provides full electrical design and calculations to BS 7671.
- [NES](#): a specification compiling software containing a comprehensive library of clauses that engineers can select and edit to create complete project specifications.
- [ArtrA](#): a unique 3D asset integrity management system that enables users to share and maintain data about highly complex or bespoke assets, plant and equipment in support of BIM models and facilities management workflow and processes.

Integrated software solutions throughout the construction workflow are rapidly becoming a requirement by construction and engineering firms allowing them to streamline processes, increase visibility into costs, and ultimately complete jobs quicker, on budget and on-time. Trimble's focus is on the deployment of integrated solutions for the construction and engineering community from initial engineering and bidding projects to construction and project completion. Trimble's Design-Build-Operate (DBO) vision extends the concept from estimating and design to project management and field solutions for installation. The result is a more efficient and accurate project, enabled through the collaboration of the project's trade groups, and interconnected through the use of office and field tools. The integration of Amtech's software solutions with Trimble's office and field solutions will enable a compelling set of dedicated MEP workflows and productivity solutions for MEP contractors and engineers.

"With the addition of Amtech, Trimble continues to reinforce its goal of providing a complete portfolio of building construction solutions while strengthening our commitment to meet the unique needs of the European MEP market. Amtech's strength lies in its ability to offer localized content and pricing information combined with construction software while providing users with intuitive work processes for optimal efficiency and productivity in the office," said Pat Bohle, general manager of Trimble's [MEP Division](#). "In addition, Amtech provides Trimble the ability to expand its distribution channel in Europe to offer MEP contractor solutions."

"Amtech's solutions are dedicated to improving the productivity of the building contractor and engineer," said Tim Holland, chief financial officer of Amtech. "By combining Amtech's office solutions with Trimble's depth of worksite productivity solutions—including field layout, scanning, mobility and more—we are excited to provide an even greater integrated office workflow for the building contractor and engineer."

The Amtech business will be reported as part of the Engineering and Construction Segment.

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Company News

Accenture's Digital PLM Services Recognized for Client Product and Service Innovation by CIMdata

11 November 2014

Accenture's application of new technology and processes to help clients with the complexities of product innovation and development has been recognized by industry analysts CIMdata for its ability to enable customers to improve business performance.

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In a new commentary, “[Accenture Unveils Digital Product Development Framework: Every business is a digital business](#),” CIMdata examines how new technologies can be applied to transform operating models and new revenue streams for product manufacturing companies. The report assesses Accenture’s Digital PLM (Product Lifecycle Management) Development Network and the range of technologies and processes that this can apply to products throughout the lifecycle.

As product complexity has increased, manufacturing companies have been investing in automation, analytics and collaboration tools. PLM technologies and processes are at the core of this as they support the data and information for a product’s design and manufacture throughout its lifecycle. Accenture’s Digital PLM Development Network provides companies with the capabilities required to manage the information and data about a product across the enterprise.

In analyzing Accenture’s Digital PLM Development Network, CIMdata said: “The strategy goes beyond technology enablement, and drives the paradigm shift from optimizing the development and production of products, to an integrated network of people, processes, and technologies. This network enables companies to implement new operating models that improve ROI and business outcomes and better satisfy customer wants and needs.”

Accenture’s new development framework is designed around a new approach to PLM, moving from a linear to a network design, with the product definition data at the center of the model. It is accessible to the relevant parts of the business at any time, removing the inefficiencies of the traditional linear methodology by introducing interconnected processes. It is built upon social, mobile, analytics, and cloud technologies to provide a robust platform.

“Accenture believes that [Digital Industry 4.0](#), where highly intelligent cyber physical systems are connected to create the Industrial Internet of Things, requires better integration of engineering and product development; production and technology; and supply chain with marketing and sales for efficient product development,” said Eric Schaffer, senior managing director, Accenture. “This digital network approach to [PLM](#) will help companies improve product innovation and overcome the complexities of managing a product through its lifecycle.”

In June, Accenture Product Lifecycle Services (APLS) was launched. APLS combines capabilities from Accenture’s strategy, digital, technology and operations growth platforms, with industry-specific services across manufacturing and engineering, all supported by established alliances with leading PLM vendors. This business service helps manufacturing clients better organize, develop and manage products and services, from idea to retirement. The outcome can include increased revenues, reduced costs and time to market for new products.

Strengthened by the acquisitions of [PRION](#), [PCO Innovation](#) and businesses from [evopro Group](#), Accenture provides a range of PLM services to improve innovation and product development performance, from idea to retirement, for a range of industries including aerospace; automotive; consumer goods and services; energy; industrial equipment; life sciences; public transportation and utilities.

The CIMdata commentary is available [here](#).

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Altium and element14 Partner to Distribute New PCB Design Tool CircuitStudio

12 November 2014

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[Altium Limited](#) today announced a partnership with element14 to distribute CircuitStudio, a new easy-to-use PCB Design tool based on Altium technology. CircuitStudio will be available in early 2015 and sold through the element14 Design Center.

The partnership between Altium and element14 realizes the vision of making modern PCB design tools available to a broader market. In doing so, it creates a closer connection between PCB design tools from Altium and component vendors.

CircuitStudio will provide users with an interface that will make it easy for the user to get up to speed but at the same time deliver a set of functionality powerful enough for professional use. The benefits for the users will be based on straight-forward schematic capture and project management tools as well as a powerful PCB design engine that supports 3D PCB editing.

While availability is planned for early 2015, both Altium and element14 will invite interested users to participate in the Beta process for the product. More information and details can be found on <http://www.circuitstudio.com> and <http://www.element14.com/altiumcs>.

“We are excited about the partnership with element14 and the benefits this will bring to PCB designers,” said Altium CTO, Jason Hingston. “With CircuitStudio, we will deliver a product with a modern interface that will be easy to use yet powerful enough for professionals. More than 25 years of Altium R&D experience around PCB design tools built the foundation for a product that designers can pick up and design with when needed and we are looking forward to the launch of CircuitStudio together with element14.”

David Shen, Group Chief Technology Officer for element14, added: “I am delighted we are able to announce this strategic partnership with Altium. With CircuitStudio, we are able to meet the needs of more professional design engineers who demand a simple yet powerful EDA tool with the features and functionalities to complete a complex PCB design”.

“CircuitStudio is a perfect fit for element14 and its customers. It complements our existing range of software tools that are already sold through element14, and offers electronics design engineers a natural upgrade path for more complex PCB designs and greater degree of productivity through efficient project management tools.”

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AspenTech Opens New Global Headquarters in Bedford, MA

12 November 2014

[Aspen Technology, Inc.](#) announced it has opened a new global corporate headquarters in Bedford, Massachusetts. The new facility supports AspenTech’s growth plans by bringing together more than 500 existing employees from the company’s Burlington, MA and Nashua, NH offices, and can accommodate more than 200 additional staff.

The new three-building campus at 20, 22 and 28 Crosby Drive is over 140,000 square feet, almost double the size of AspenTech’s former Burlington MA headquarters. The facility is designed to facilitate collaboration and informal discussions, with a contemporary open floor plan, casual breakout areas and many “huddle rooms” throughout the campus. The new location is part of Crosby Corporate Center, a nine-building office park that also includes two Rebecca’s Café locations, a fitness center, a

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conference center and on-site daycare.

The world's largest energy and chemical companies such as Dow Chemical, DuPont, Exxon/Mobil and Shell use AspenTech software to optimize their engineering, manufacturing, and supply chain operations. Optimization delivered by AspenTech software results in improved profitability, significant cost savings, reduced energy consumption, and superior operating performance. Recently, [Forbes recognized AspenTech as one of the world's most innovative growth companies](#).

Antonio Pietri, President & CEO, AspenTech, commented: "Our new headquarters reflects AspenTech's 30 years of market leadership, the global impact of the customers we serve, and the employees who are at the core of our success. Combining our local teams in the new three-building campus will also make collaboration easier, while ensuring we have the right environment to deliver the most optimal customer experience well into the future."

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Avantage Mécanique to Resell IMS Software Solutions in Canada

12 November 2014

IMS Software announced the signing of a reseller agreement with Avantage Mécanique, Inc. of Longueuil, Quebec, Canada.

"Our post-processing experts have used IMS for over 10 years and never reached the limits of the possibility that IMSpost offers. Any machining process can be supported, any kinematics, even with more than 5 simultaneous axis" said Vincent Thomasset, Director of Innovation and Business Development. "IMSpost's open design allows advanced logic and custom macros to be integrated into our post-processors, adding intelligence to the NC generation process."

"And with IMSce, the controller emulator functionality opens up a whole new world of possibilities with its integration with CATIA V5 and V6. Post-processing and simulation in a single window will dramatically boost productivity."

"Avantage Mécanique will offer significant value to manufacturing companies in Quebec and across Canada" said Dan Wrenn, president and co-founder of IMS Software. "They are assembling a world-class engineering services organization focused on the most advanced software, solutions and manufacturing practices."

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Dassault Systèmes Signs Research Agreement with the Food and Drug Administration for its "Living Heart Project"

12 November 2014

[Dassault Systèmes](#) announced that it has reached a significant milestone in its project aimed at driving the creation and use of simulated 3D personalized hearts in the treatment and diagnosis of heart diseases and medical device development. Powered by Dassault Systèmes 3DEXPERIENCE platform's realistic simulation applications, [The "Living Heart Project"](#) announced in May of this year, has rapidly moved

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its first realistic 3D heart simulator into beta test, validated the efficacy of a device and has surpassed 30 contributing member organizations.

As a key step of this initiative, Dassault Systèmes has signed a five-year collaborative research agreement with the [United States' Food and Drug Administration](#) (FDA) which will initially target the development of testing paradigms for the insertion, placement and performance of pacemaker leads and other cardiovascular devices used to treat heart disease.

Using a technology crowdsourcing model that protects the intellectual property of each member, yet enables all to share the outcome, the “Living Heart Project” is being developed closely with leading cardiologists, medical device companies and academic researchers who participate in the evaluation of the simulated heart model’s use in testing medical devices, improving clinical diagnosis and guiding pre-surgical planning.

The 30 contributing member organizations, which include more than 100 cardiovascular specialists from across research, industry and medicine, have access to the heart simulator for testing, enabling the acceleration of the program via crowdsourcing. The researchers have teamed with the [Medical Device Innovation Consortium](#) (MDIC) with the goal of accelerating the approval process of medical devices while spurring innovation, improving patient reliability and reducing costs. The Project has already been used to validate the efficacy of a novel valve assist device prior to insertion in a real patient and understand the progression of heart disease.

“Computational modeling and simulation has the potential to revolutionize the medical device and healthcare fields by accelerating innovation and providing comprehensive evidence of long-term safety,” said Bill Murray, President and CEO, MDIC. “It holds the promise of going beyond empirical testing thru human clinical trials to evaluating the interaction of devices with the human body that is not obtainable in any other way. The Living Heart Project is a leading example of a new tool that offers the medical device community a heart simulation that could be validated for use from device design to regulatory submission.”

“The future of healthcare will no doubt include the use of modeling and simulation to guide our choice of treatments, train our doctors and even educate patients on their role in managing their health,” said Dr. Kumaran Kolandaivelu, Instructor of Medicine at Harvard Medical School and Medical Director, Clinical Research Center, Massachusetts Institute of Technology. “As physicians, we have a moral imperative to use the best science available to ensure the highest quality care with minimal invasiveness and at the least possible cost. We are working with Dassault Systèmes because I believe the time is right to embrace the full potential of computational science in medicine as it has in other disciplines.”

“Enabling healthcare players to create innovative patient experiences is Dassault Systèmes strategic aim in Life Sciences,” said Jean Colombel, Vice President, Life Sciences, Dassault Systèmes. “Through Dassault Systèmes’ 3DEXPERIENCE platform tailored to address unmet medical needs, as demonstrated here in cardiovascular, we support generation of new healthcare solutions and collaborative practices that will ultimately improve patient outcomes and increase patient accessibility.”

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Global Footwear Brands Discuss Footwear Industry’s Future at Delcam CRISPIN Forum

13 November 2014

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International fashion houses, including Dolce & Gabbana and Prada, came together with global footwear brands such as Reebok, Vans and Decathlon, last month to discuss the latest innovations in footwear technology, at a forum hosted by Delcam CRISPIN in Milan. In total, more than 80 attendees, representing organisations from across the globe, took part in the event.

Active discussions among the delegates were facilitated by organiser Delcam CRISPIN, focussed on the design aspects of shoemaking, materials developments and novel manufacturing methods.

The Energy Group, Norcam and 3D systems delivered engaging sessions on the benefits of 3D printing technologies, sparking energetic conversation on rapid prototyping.

Autodesk spoke about V-Red 3D rendering capabilities, citing the work the company has completed for car manufacturer, Volkswagen, and showing how the technology could be applied to footwear design using a shoe model created by Delcam CRISPIN.

Ortopaedi Skomageriet and Delcam CRISPIN gave an insight into the future of customised shoes; coupling footwear design technology with custom orthotic insoles to deliver a different definition to the shoe. The following Q&A session prompted discussion on whether customisation is indeed the future of the industry.

Lectra spoke insightfully about the impact challenges of the footwear market have on the production process and how technology can help overcome these barriers, while Crocs gave an overview of its development process and its own use of rapid prototyping.

Delegates also had the opportunity to network and to see a demonstration of Delcam CRISPIN's ShoeMirror, a virtual reality shoe fitting system. Delcam also displayed its orthotic solutions which included the OrthoMODEL and iQube foot scanners. The iQube creates an accurate 3D scan of the foot; this data is then imported into OrthoMODEL for the orthotic insole to be designed ready for manufacture.

Delegates commented that the two day event was very positive. Ed Batchelor from Pentland said, "A great first event, it was well organised and enjoyable with very appropriate people and presenters."

After the success of the first event, Delcam is delighted to announce it will be running the Footwear Technology Forum again in 2015.

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KUBUS - New BIMobject® Business Partner in The Netherlands

11 November 2014

BIMobject® is proud to announce a new BIMobject® Business Partner - KUBUS. KUBUS will now sell and support all BIMobject® solutions including Publishing, Private Clouds, BIManalytics™ Pro, BOPC™ and Mosquito™ in the Benelux market.

KUBUS offers BIM for both Design & Build within the Benelux region (Europe). As a Gold Partner of Solibri, and the exclusive distributor for Graphisoft, they promote OpenBIM and IFC workflow solutions. In addition, KUBUS develops its own BIM solutions to improve the BIM workflow.

"With KUBUS, we enter into a business partnership of synergic BIM expertise. Their well founded local knowledge in a broad range of BIM topics, and our global BIM object related service offerings, will harmoniously enhance the business for both companies. We are going to provide a larger scale

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of possibilities for companies in the Netherlands to enter and maintain their presence in the BIM world", said Kornel Kovacs, Channel Development Manager of BIMObject.

"Our experienced BIM consultants can translate our vision on BIM objects into a clear tailor made advice, helping manufacturers shaping their positioning in any BIM process. By partnering up with BIMObject® we are convinced we can offer the best hosting solutions available for our clients. Including all the latest marketing analysis and lead-generation tools at hand." said Erik Pijnenburg, CEO of KUBUS BV.

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ModuleWorks and Alphacam Confirm Partnership

13 November 2014

ModuleWorks have confirmed their partnership with Alphacam, and will now offer ModuleWorks 5-Axis machining technology as part of the Alphacam product.

Alphacam is an intelligent and intuitive CAD/CAM Software package for Woodworking, Metal & Stone Cutting developed by Vero Software. The company's product portfolio includes many industry leading software solutions for the manufacturing industry.

Nick Spurrett, General Manager for Alphacam comments "Our customers have been telling us they have growing requirements for advanced 5-Axis technology. Having seen the success of ModuleWorks technology with other products in the Vero family, it was an easy decision to work with ModuleWorks to advance the 5-Axis capability within Alphacam. Our customers are delighted with the results which are allowing them to solve ever more complex manufacturing challenges".

Yavuz Murtezaoglu, Managing Director and founder of ModuleWorks adds "We're delighted to have Alphacam as a partner for our 5-Axis component technology and very we're pleased to see the success so far. This type of collaboration underlines the benefits of a partnership with ModuleWorks which has delivered advanced and industry proven 5-Axis technology to Alphacam customers in a relatively short period of time."

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Position Partners Appointed Autodesk Value Added Reseller for Australasia

5 November 2014

Position Partners has extended its solution portfolio to include Autodesk software technology for the construction, engineering, architecture, surveying and mining industries. The company will offer Autodesk solutions across Australia and New Zealand.

"We are thrilled to announce our partnership with Autodesk, the world leader in 3D design, engineering and entertainment software and services," said Martin Nix, Position Partners CEO.

"Customers will now have access to integrated, end-to-end solutions from a single provider, with Autodesk software complementing a wide range of our hardware systems, including laser scanners, Unmanned Aerial Systems (UAS), layout and measurement tools and mobile mapping technology.

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“It is an exciting time for many of our core industries, with 3D documentation becoming a widely adopted and necessary process in the construction lifecycle,” Mr Nix added. “Many customers still have questions about how the technology can be integrated into their workflow and we believe that by delivering a combination of hardware, software, support and training, Position Partners can provide the answers.”

Under the Value Added Reseller agreement, Position Partners will sell and support Autodesk solutions for infrastructure, Building Information Modelling (BIM) and Computer Aided Design (CAD) applications, including Building and Infrastructure Design Suites, AutoCAD, Revit, Civil3D, ReCap and Navisworks.

Position Partners is a Silver Sponsor at the upcoming Autodesk University conference, to be held on 10th – 11th November at the Westin Hotel, Sydney, where it will showcase a range of UAS, scanning and BIM hardware solutions along with Autodesk software platforms.

“Autodesk is pleased to welcome Position Partners to the Autodesk community,” said Rob Malkin, Autodesk AEC/ENI APAC Sales Director. “The opportunity for us to partner with Australia’s leading provider of positioning and geospatial solutions for surveying, civil contracting, mining and building solutions is obviously a mutually beneficial partnership.

“Customers will benefit from the nationwide network of sales and technical staff Position Partners can offer,” he added. “With more than 200 staff and offices in every state and territory in Australia and New Zealand, Position Partners is well resourced to support the addition of Autodesk solutions to their comprehensive portfolio of adjacent products and services.”

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Rand Worldwide Appoints New Members to its Board of Directors

11 November 2014

Rand Worldwide, Inc. announces the appointments of Mr. Philip B. Livingston and Mr. David Schneider to its board of directors. In addition, Mr. Peter Kamin, a current Board member and the managing partner of 3K Limited Partnership, was named as Chairman of the Board of the Company.

On November 7, 2014, following the completion of the Company’s Tender Offer, Messrs. Marc Dulude, Richard Charpie, Charles Yie and Manu Parpia, resigned from the Board as part of a planned transition that follows the Company’s recapitalization and a major investment by 3K Limited Partnership. In addition, Mr. Dulude resigned as Chief Executive Officer of Rand Worldwide, Inc. and Mr. Lawrence Rychlak was named as the Company’s President and Chief Executive Officer. Mr. Rychlak was previously the President and Chief Financial Officer and Mr. John Kuta, the Company’s current Vice President and Controller, will be assuming the role of Chief Financial Officer.

“The changes in our governance and executive leadership are the final steps in the successfully-completed reorganization and recapitalization process that the Company began back in January and I am very pleased with how we are positioned for the future growth of Rand Worldwide,” stated Peter Kamin, the newly-appointed Chairman of Rand Worldwide. “The oversight and support of the past Board members has been an integral piece of the Company’s success and I want to publicly thank them for all that they have done to position Rand Worldwide as a continued leader in its market.”

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“I look forward to working with the new Board members and the executive team as the Company builds upon its strengths in order to maximize value for our shareholders going forward.” said Mr. Rychlak. “I also want to thank Marc Dulude for his leadership over the last eight years and acknowledge the outstanding contributions that Messrs. Charpie, Yie and Parpia have made as members of our Board.”

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Tech Soft 3D Appoints New VP of Marketing

12 November 2014

[Tech Soft 3D](#) announces the hiring of Tyler Barnes as the company’s Vice President of Marketing. In this role, Tyler will focus his efforts on defining and executing marketing strategy across the company’s burgeoning portfolio of development toolkit and 3D PDF offerings.

“Tech Soft 3D is poised for its next phase of growth, and we are pleased to add Tyler’s expertise to the mix,” says Tech Soft 3D CEO, Ron Fritz. “We see closer customer relationships and even better alignment of our product offerings with our customers’ most pressing challenges as key initiatives for taking Tech Soft 3D to the next level. Tyler’s experience is a perfect complement to our product and sales leadership, as we work to shape and position our product portfolio for the future.”

Tyler brings 15 years of enterprise software marketing experience to the role, spending the last 10 years at Autodesk, Inc. At Autodesk, Tyler served in a number of key marketing and product management roles. His most recent position was Senior Manager, Product Management for the Autodesk Inventor mechanical design product line. There, he was responsible for strategic development of the flagship product, as well as leading efforts to develop new, differentiated cloud and mobile applications that enabled additional revenue streams for the company.

According to Tyler, “Tech Soft 3D encompasses some of the most advanced and widely used 3D software development technologies in the industry. It has remained committed to being the industry’s best source of component technology for 3D engineering applications and 3D PDF. I am thrilled to join such a talented, successful and committed team. Trends such as the industry shift toward cloud and mobile and the rise of 3D PDF put Tech Soft 3D in a great position to make a significant impact on the engineering software industry, and I look forward to contributing to its continued success.”

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Theorem’s Information Exchange Road Trip Targets Europe and the US

11 November 2014

Theorem Solutions have taken to the road demonstrating the very latest interoperability products, publishing and CADverter solutions to major user events at numerous locations across the US and Europe.

Spanning nearly 8 months during 2014, the Theorem team organised supplier days and seminars to help to inform and educate users from the engineering, manufacturing and design communities who use CAD

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and Visualization tools. The common theme was how users can simplify everyday tasks and processes to reduce costs, improve quality and compress timescales using the latest Theorem technology.

Kevin Levy (Theorem's head of marketing communications) explained "as a totally independent software solution provider and partnering with all major PLM vendors, Theorem's technology is robust and integrates seamlessly with all major systems. Whether a CATIA, Siemens or PTC Creo user, a product or tailored solution exists to suit almost any requirement. Theorem's CADverter v17.2 software continues to be built upon the API's and toolkits supplied directly from the vendors ensuring system compatibility when sharing data".

Theorem's latest editions of Multi-CAD and the Publish 3D suite were extremely popular, receiving a great response at each event. Users were also shown how Multi-CAD CADverters allow users to work interactively with native JT, NX and PTC Creo Parametric data from within an active CATIA design environment, eliminating the requirement for external translations. Demonstrations highlighted the CADverter geometry checking functionality, where geometry is searched and then validated to ensure the integrity of the data is correct as it comes into CATIA. Another popular feature on show was how the system tracks changes and then updates the master model as each sub-assembly is developed, providing the users with the highest possible levels of interoperability with JT, NX and Creo files and assemblies.

Theorem's publishing suite of products (Publish 3D) were also very well received. The product suite includes; Publish 3D Interactive, Publish 3D On Demand and Publish 3D Automated, for CATIA V5, JT, NX and PTC Creo Parametric, and allows companies to easily create and share PDF documentation with the added benefit of containing embedded and fully interactive 3D models published directly from native CAD data. The advantages became clear to all who attended as the published interactive 3D models contained within a standard PDF document can be viewed and interrogated by anyone with a pc, or tablet with the freely available Adobe Acrobat Reader. The demonstration showed how components within assemblies can be turned on and off, shaded and rendered for technical authoring and viewed as either a solid, wireframe or even cross-sectioned. It is clear that the Multi-CAD and Publish 3D offer are continuing to grow in sophistication and functionality, with new revisions due later in the year with the release of CADverter v17.3.

In addition to key user events across the UK, the tour included; The COE event in Anaheim, California; ProSTEP iViP Symposium 2014 in Berlin; 3DCIC in Colorado Springs; June's Siemens PLM Connections 2014 in Florida; PTC Live Global in Boston; The Global Product Data Interoperability Summit 2014 in Phoenix and the recent PLM Europe in Berlin and additional events are planned for the coming year.

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Tongji University ZEAL EcoPower Wins 8th Honda China Energy-Saving Sports Tournament Using Altair HyperWorks®

12 November 2014

[Altair](#) today announced that the Tongji University [ZEAL EcoPower Racing Team](#) won the 2014 championship of the Honda China Energy-Saving Sports Tournament using HyperWorks®, Altair's comprehensive computer-aided engineering (CAE) suite. The team, which hails from the Automotive Institute of Tongji University, achieved an impressive speed of 1807.653 kilometers per liter. The event

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was titled "Fun, Challenge and ECO", and took place in Guangdong, China on Oct. 18-19.

At the beginning of the design process, ZEAL engineers sought an excellent simulation technology partner to support the team's ambitious lightweight design goals. With significant automotive engineering consulting expertise as well as a broad software solution containing pre- and post processing tools and multiple CAE solvers, Altair was a natural choice. Focus areas for the team include lightweight design, composite material design and optimization, crash and safety, and computational fluid dynamics (CFD) for aerodynamics, fuel efficiency, and flow analysis, all of which are included in HyperWorks.

During the design process, engineers used pre-processing tool HyperMesh® for modeling and solver OptiStruct® for static analysis, modal analysis, topology optimization, and composite material optimization. This upfront work enabled the team to design the most optimal structure without sacrificing vehicle performance.

"Winning this championship would not have been possible without Altair's support. HyperWorks plays a crucial role in performance vehicle engineering," commented Wang Yangming, an engineer on the team. "Also, Altair's technical support engineers have been very helpful, creating detailed technical training courses based upon our requirements as well as providing consulting expertise to improve vehicle design and performance. We hope to continue our strong collaboration with Altair in the future."

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Trimble Concludes its 7th International User Conference with Record Breaking Attendance

7 November 2014

Trimble opened its 7th international users conference last Monday with more than 4,200 registered attendees from 83 countries around the world. Dimensions 2014 provided insight into how information technologies are redefining the way professionals work to achieve success. This year the conference addressed innovations in Agriculture, Construction, Civil Infrastructure, Engineering, Government, Mapping, Natural Resources, Surveying, Telecommunications, Transportation & Logistics and Utilities. Trimble Dimensions was held November 3-5 at the Mirage and Treasure Island Hotels in Las Vegas.

"We are extremely pleased that this year's conference set a new record for attendance. Trimble Dimensions has earned the reputation of being one of the most educational and exciting industry events," said Peter Large, Trimble vice president. "It is truly a unique conference focused on how advanced technology solutions are transforming the way the world's work is done."

At Dimensions 2014, attendees gained insight into how information technology is transforming the way professionals work, by using integrated workflows to increase productivity. Participants heard how industry colleagues use Trimble's end-to-end technology to easily transform data into intelligent, usable information. Attendees saw first-hand how new tools, processes and ideas can help make a positive impact on their businesses.

Throughout the conference, attendees had a variety of opportunities to network with key industry players, nurture business relationships and discover how to overcome challenges in today's competitive business environment.

Highlights included 584 educational sessions including both on-site and off-site immersive training, more than 40 specialized tracks to advance career objectives with many sessions qualifying for

Professional Development Hour (PDH) hours, and on-site product demonstrations.

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VISI Expands in Czech Republic and Slovakia

12 November 2014

Vero Software have appointed Nexnet as Master Reseller for their VISI mould and die making CAD/CAM solutions in the Czech Republic and Slovakia.

Nexnet will be working closely with VISI s.r.o., who have established an extensive customer base for VISI in the region over 20 years. In particular, Nexnet Managing Director David Emler says they will support VISI s.r.o. with a marketing service.

“We already represent Vero brands Alphacam, Cabinet Vision, Edgecam and Radan in those two countries, so it was a natural progression for us to add VISI to our portfolio. We’ll also be looking to establish new customers for the full range of VISI products.”

VISI s.r.o. will continue to work with the customer base as an active reseller.

One of Nexnet’s first activities with VISI was to demonstrate its capabilities on their booth at the Brno fair in the Czech Republic. “The exhibition has generated many new customers already.

“We have considerable experience in the mould and die sector, and by working closely with the VISI s.r.o. team, headed up by its owner Boleslav Ziman, we’re confident of expanding VISI’s service further amongst the extremely popular mould making industry here.”

Nexnet have their own mould and die manufacturing hall where they use VISI for demonstrations. “As well as training customers on how to maximise their use of VISI, our support engineers also use their deep practical knowledge and experience to show customers how it is used in every day practice.”

Part of the Vero Software Group, VISI is a leading CAD/CAM solution for the mould and die industry, providing productivity, reliability and flexibility. Vero has direct offices in the UK, Germany, Italy, France, Japan, USA, Brazil, Netherlands, China, South Korea, Spain and India supplying products to more than 45 countries through its wholly owned subsidiaries and reseller network.

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Events News

3D Systems Unveils Newest Design & Manufacturing Products @ EuroMold 2014

11 November 2014

[3D Systems](#) today announced it plans to unveil several new design and manufacturing products and services at EuroMold 2014 in Frankfurt, Germany from November 25-28, 2014, at the Messe Frankfurt. 3DS’ comprehensive design and manufacturing portfolio will be on display in full force in booths D69 and F90 in hall 11.

Underscoring its deep commitment to education the company plans to sponsor the TCT Bright Minds

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Program where students and tomorrow's engineers can experience its Cube 3D printer and design creation tools, located in hall 11.

"We are bringing to EuroMold 2014 our most advanced design and manufacturing products ever, including a completely new generation of Direct Metal Printing (DMP), Stereolithography (SLA[®]) and Selective Laser Sintering (SLS[®]) printers and materials," said Cathy Lewis, Chief Marketing Officer, 3DS. "We are also debuting the full power of our design-to-manufacturing digital thread with cloud and desktop functionality and utility."

3DS' technology is the driving force behind significant advances in product design and manufacturing for the leading automotive, aerospace, computer, electronic, defense, education, consumer, energy, and healthcare companies around the world. 3DS plans to showcase its customers' latest innovations and products at 3DS' EuroMold booth throughout the show.

Consistent with its long term commitment to education, 3DS partnered with TCT Bright Minds Program's STEM education initiative to provide high school students the opportunity to get hands-on experience with its Sense[™] scanners and Cube 3D printers.

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Advanced Solutions, Inc. Announces Gold Sponsorship of Autodesk University

11 November 2014

[Advanced Solutions](#) will participate in the 2014 Autodesk University conference as a Gold Sponsor. Autodesk University (AU) will take place on December 2-4, 2014 at the Mandalay Bay in Las Vegas, Nevada.

During AU 2014, Advanced Solutions will be showcasing the latest innovations in product design and engineering services from its subsidiaries and brands. The Advanced Solutions showcase will be on the AU 2014 Expo floor at booth #116, just inside the main entrance into the exhibit hall. Visitors to the booth can also enter a drawing for great prizes, such as a [MakerBot[®] Replicator[®] Mini 3D printer](#) and an [Advanced Solutions CAD Club training membership](#).

At the booth, conference attendees will have the opportunity to experience the next generation in 3D printing from Advanced Solutions Life Sciences: The BioAssemblyBot[™] and TSIM[™] Lab Quest tabletop workstation. [Advanced Solutions Life Sciences, LLC](#) is dedicated to the discovery, design, development and commercialization of integrated software and hardware solutions for the fields of science that involve living organisms, molecular biology, and biotechnology. Other offerings from Advanced Solutions such as WorkFlow Simulation, PLM Solutions, and Visual Collaboration Systems will be a part of the experience at the Advanced Solutions booth #116.

In addition, Advanced Solutions will present three uniquely in-depth classes throughout Autodesk University.

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Delcam to Preview PowerMILL Rib-Machining Module at Euromold

14 November 2014

Delcam will preview a new rib-machining module for its PowerMILL CAM system on stand H57 in Hall 8 at the Euromold exhibition to be held in Frankfurt, Germany, from 25th to 28th November. The new module, which will be available as part of the PowerMILL 2015 R2 release scheduled for January 2015, will speed up and simplify the machining into tooling of cavities to form ribs.

Reinforcing ribs are required in many types of plastic mouldings, from electrical housings to containers to furniture. They are typically much deeper than they are wide, which poses special challenges when machining the cavities needed to form them. In many cases, these challenges prompt companies to use EDM to form the features rather than machining.

The new PowerMILL module makes it much easier and safer to program the machining of cavities for narrow ribs, even when the cutter's length is much greater than its diameter. Using a dedicated rib-machining strategy gives a better surface finish than using a standard finish

The first stage of the process is to create a pattern for a single rib, by sketching a line along its length. PowerMILL uses this line to identify automatically all the surfaces needed to form the rib. The machining sequence is then calculated. Usually, the machining will either be undertaken by cutting progressively deeper along the centreline of the cavity using a form tool matching the rib profile or by profiling along either side of the rib with a standard tool.

In many cases, most, if not all, of the ribs in a part will have similar depth and width profiles. Thus, once the user is happy with the sequence developed for the first rib, the same machining strategies with the same tooling can be applied across the complete network of ribs so minimising programming times.

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Latest MachineWorks Simulation Running Inside CNC Controls at Euromold

12 November 2014

MachineWorks Ltd will be showing new software advances and celebrating 20 years of manufacturing software at Euromold 2014 on Hall 8, Stand H09, 25-28 November.

MachineWorks CNC Simulation display in Hall 8

Leading CNC control manufacturers FANUC and FIDIA will both have a dedicated area at the MachineWorks stand showing demos with MachineWorks software driving their simulation. Specific APIs have been developed to optimise CNC controls, not just to run simulation in real time but to also simultaneously check for collisions. MachineWorks technology develops true solid modelling to detect gouges and clashes. Rather than using sampling technology that can lead to crashes, MachineWorks uses the swept volume that guarantees no collision goes undetected in the envelope of the machine.

The beauty of MachineWorks toolkit is its flexibility. MachineWorks libraries can offer solutions that range from a simple tool and stock simulation to a complex real-time anti-collision system.

Further to the control dedicated area, the MachineWorks stand will be displaying a range of demos showing the new features from the latest release, including "intelligent multithreading" and support for mobile operating systems. The MachineWorks algorithms have been optimised to increase their performance while maintaining stability.

MachineWorks team is expanding

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MachineWorks is currently recruiting. They are looking for software developers and quality assurance testers to join the strong technical team. Based in Sheffield, the CNC simulation and solid modelling software engineers provide cutting-edge manufacturing software for MachineWorks' global customer base. MachineWorks' focus is to push the software further and keep a step ahead of customers' requirements.

Celebrating 20 years of Manufacturing Software

MachineWorks' rigorous testing procedures get put to the test not just in the office but in the real world by customers using their software in a real environment. The long term partnerships forged after years of working together on innovative projects have allowed MachineWorks to accumulate a wealth of experience to support any challenges.

IMTS 2014 gave MachineWorks the opportunity to say thank you in person to many customers. At Euromold 2014, the MachineWorks team will be welcoming customers to carry on the celebrations on Stand H09 in Hall 8.

Mike Nicholson, Sales Director of MachineWorks said "We hope to see as many faces in Europe as we saw in the USA"

MachineWorks double the presence at Euromold in Halls 8 and 11

MachineWorks Ltd also has a polygonal solid modelling toolkit, Polygonica, which is well suited for the 3D printing market. Euromold has seen an increase on the focus of additive manufacturing technologies and services which has led to a strategic decision. Cristina Sesma, Marketing Manager of MachineWorks said "We felt that this year, on the 21st edition of Euromold, Polygonica should have its own stand in Hall 11 independently from MachineWorks stand in Hall 8"

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Polygonica Showing Latest 3D Printing Software Technology at Euromold

13 November 2014

MachineWorks Ltd and Polygonal Mesh Processing Software will be showcasing the latest state of the art 3D printing software in Frankfurt at Euromold 2014, on Hall 11 Stand B86.

Ready for the Colour Challenge

MachineWorks will be demonstrating the exciting new features of Polygonica 1.2, including automated healing of complex meshes for additive manufacturing with support for full colour texture mapped models. Latest hardware innovations prove that full colour 3D printing is becoming the norm rather than the exception. The Polygonica team have been working hard to ensure that the software required to prepare 3D models for full colour printing will not be a limiting factor.

Beyond STL files

Polygonica's advanced mesh repair algorithms carefully interpolate texture coordinates during the healing process, meaning that model files in formats such as Wavefront OBJ, 3ds Max, FBX and VRML can be processed directly without the need to re-project the texture. Support for user- defined data means that Polygonica can handle complex assemblies with multiple textures.

Polygonica Analysis Tools

Also on display are some of the advanced geometrical algorithms within Polygonica that allow easy computation of mesh quality metrics, including mesh comparison, overhang and thin wall analysis.

MachineWorks is hiring

MachineWorks are on the lookout for talented software developers and quality assurance testers - particularly those with experience in computational geometry - to help drive development of our software engines. MachineWorks strong technical team keeps a step ahead of customers' requirements by providing innovative software solutions.

Celebrating 20 Years of Manufacturing Software

MachineWorks is the underlying technology behind Polygonica. Developed and optimised over the last 20 years, and providing state-of-the-art manufacturing software since 1994. The long term partnerships we have forged over this time, working on innovative projects, have allowed MachineWorks to accumulate a wealth of experience to support any challenges.

MachineWorks double the presence at Euromold in Halls 8 and 11

MachineWorks will have two stands at Euromold 2014. The MachineWorks toolkit will be located in Hall 8 Stand H09 with the CNC hardware and software providers, many of whom are long-time customers of MachineWorks Software. Stand B86 in Hall 11 will be displaying Polygonica Software and is oriented towards the 3D printing market.

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Financial News

3D Systems Reports Third Quarter and Nine Months 2014 Financial Results

10 November 2014

[3D Systems](#) announced today that its third quarter revenue grew \$31.2 million, or 23%, from the prior year to \$166.9 million on strong demand for its design, manufacturing and healthcare products and services, resulting in third quarter GAAP earnings of \$0.03 per share and non-GAAP earnings of \$0.18 per share. For the nine months ending September 30, 2014, revenue grew \$107.6 million, or 30%, to \$466.2 million, resulting in GAAP earnings per share of \$0.09 per share and non-GAAP earnings per share of \$0.48 per share.

The company's order book increased by \$14 million, or 44% sequentially, to \$46 million and included a \$4 million increase in printer orders in hand compared to the second quarter order book, further reflecting the robust demand for 3DS' products and services.

Strengthening demand for the company's design and manufacturing products was not enough to overcome the revenue shortfall that resulted from the company's continued manufacturing constraints for direct metal printers and the delayed availability of its newest consumer products. This restricted the company's organic growth rate to 12% for the quarter.

"We are pleased that strengthening demand led to a 57% organic increase in unit sales of our design and manufacturing printers, but are disappointed that we failed to fully capitalize on the robust demand for our direct metal and consumer products," said Avi Reichental, 3DS' President and Chief Executive

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Officer. "Despite our efforts, we were not able to deliver these direct metal and consumer products as soon as we anticipated. Now that these availability gaps have been resolved, we expect our revenue growth rate to increase."

To view an unabridged version of this press release, visit: <http://www.3dsystems.com/press-releases/3d-systems-reports-third-quarter-and-nine-months-2014-financial-results>

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CENIT Reaches a Sales Increase of 2.4% and an EBIT Increase of 18.6% after 9 Months

11 November 2014

In the first nine months of 2014, CENIT AG was able to increase sales over the same period last year by 2.4%. The PLM segment grew by about 5% on-year, while the EIM segment reports a sales decline. The result after nine months has increased significantly compared to the previous year. Also encouraging is the increase in sales of third-party soft-ware, which grew by 10.4% to EUR k 41,360.

During the first nine months, CENIT group generated sales revenues of EUR k 91,364 (prior year: EUR k 89,206/2.4%). Sales revenues in CENIT's consulting and services segment decreased by 2.8% to EUR k 40,422 (prior year: EUR k 41,580). Sales of third-party software increased by 10.4% to EUR k 41,360 (prior year: EUR k 37,447). Sales from CENIT's proprietary software decreased from EUR k 10,007 to EUR k 9,220 (-7.9%).

The gross yield (operating output less cost of materials) amounted to EUR k 55,520 (prior year: EUR k 54,538), representing growth of 1.8%. CENIT achieved EBITDA of EUR k 8,524 (prior year: EUR k 7,392/15.3%) and EBIT of EUR k 6,719 (prior year: EUR k 5,664/18.6%). Results per share were EUR 0.57 (prior year: EUR 0.48).

To view an unabridged version of this press release, visit:

http://www.cenit.com/en_EN/news/display/news-detail/article/cenit-reaches-a-sales-increase-of-24-and-an-ebit-in-crease-of-186-after-9-months.html

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Cimatron Reports Best Ever Third Quarter with Record Q3 Revenues, Operating Profit and Net Profit

13 November 2014

Cimatron Limited today announced its financial results for the third quarter and first nine months of 2014.

Highlights of Cimatron's results for these periods include the following:

- 27% year-over-year increase in non-GAAP operating profit for Q3/14, to a third quarter record of \$1.8 million;
- 29% year-over-year increase in non-GAAP operating profit for the first nine months of 2014;
- 8% year-over-year revenue growth on a constant currency basis in Q3/14, to record Q3 revenues

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of \$11.2 million;

- 18th consecutive quarter with year-over-year revenue growth on a constant currency basis;
- 88% gross margin and 16% operating margin on a non-GAAP basis in Q3/14
- Record \$8.0 million cash flow from operating activities in the first nine months of 2014;
- End of September net cash balance of \$20.1 million or \$1.87 per share

Commenting on the news, Danny Haran, President and Chief Executive Officer of Cimatron, noted, "Once again, we are very pleased to report our best ever third quarter, with record revenues, operating profit and net profit. The solid year-over-year revenue growth in the quarter came from both our product lines and from both new license revenues as well as maintenance revenues, resulting in 27% year-over-year increase in operating profit due to the strong operating leverage in our business model."

"Our product rollout for 2014 is progressing as planned. CimatronE version 12 was released in Q3 to growing acclaim for its many new capabilities. The next milestone is the GibbsCAM 2015 release towards the end of the year. This version incorporates the revolutionary UKM (Universal Kinematic Machine) technology, enabling users to program and simulate virtually any machine with extreme accuracy. UKM was demonstrated at IMTS 2014, and received extremely positive feedback. With strong and accelerating financial performance, combined with promising version releases for our two product lines, we remain optimistic about the future of the company," concluded Mr. Haran.

To view an unabridged version of this press release, visit:

<http://www.cimatron.com/Group/pressreleases.aspx?FolderID=3099&docID=23666&lang=en>

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HP to Present Live Audio Webcast of Fourth Quarter Earnings Conference Call

11 November 2014

HP will conduct a live audio webcast of its conference call to review its financial results for the fourth fiscal quarter ended October 31, 2014.

The call is scheduled for Tuesday, November 25, at 5 p.m. ET / 2 p.m. PT, and the webcast will be available at www.hp.com/investor/2014Q4Webcast.

A replay of the audio webcast will be available at the same website shortly after the call and will remain available for approximately one year.

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Rand Worldwide Announces First Quarter Results for Fiscal Year 2015

14 November 2014

Rand Worldwide, Inc., announces its financial results for the quarter ended September 30, 2014.

For the three months ended September 30, 2014, Rand Worldwide, Inc. reported total revenues of

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\$20,782,000, an increase of \$2,746,000, or 15.2%, compared to the same quarter in the prior fiscal year. The Company's overall gross margin percentage increased slightly from 46.8% to 47.6% mainly due to a positive revenue mix. Total selling, general and administrative expenses increased by 11% for the three months ended September 30, 2014 over the same period in the prior year as a result of \$937,000 of transaction costs related to the Company's recently concluded tender offer. In total, the Company reported income from continuing operations of \$605,000, or \$0.01 per diluted share for the quarter ended September 30, 2014, compared with \$108,000 or \$0.00 per diluted share, for the same quarter of the prior year.

During the first quarter of fiscal year 2015, the Company divested of its Rand Secure Data division, therefore the summary consolidated financial information presented below reflects the results of the Secure Data division classified as discontinued operations for each fiscal period presented.

"The financial results for this quarter were unique as they included the divestiture of our Rand Secure Data division and the costs related to the tender offer," commented John Kuta, chief financial officer of Rand Worldwide. "In spite of bearing \$937,000 in one-time costs, our income from continuing operations was \$605,000 and we generated \$1.7 million of positive cash flow for the quarter, highlighting the strength of our core business."

"This was yet another very positive quarter for the Company as we kept our business focus despite the ongoing disruptions of the divestiture, the tender offer and the resulting changes from these two events," stated Lawrence Rychlak, president and chief executive officer at Rand Worldwide. "In what is usually our most challenging quarter, we saw significant year-over-year revenue growth, an increase in our overall margins and the reduction in our overall expenses, after factoring out the charges associated with the tender offer. With these events now behind us, we continue to be optimistic about our ability to deliver positive results in the future."

To view an unabridged version of this press release, visit: <http://rand.com/news-events/press-releases/2014/rand-ww-announces-first-quarter-results-for-fy15>

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Synopsys Announces Earnings Release Date for Fourth Quarter and Fiscal Year 2014

13 November 2014

Synopsys, Inc. today announced it will report results for the fourth quarter and fiscal year 2014 on Wednesday, Dec. 3, 2014, after the market close.

A conference call to review the results will begin at 2:00 p.m. PT (5:00 p.m. ET) and will be hosted by Aart de Geus, chairman and co-chief executive officer, and Brian Beattie, chief financial officer.

Financial and other statistical information to be discussed on this conference call will be available on the corporate website at <http://www.synopsys.com>, immediately before the call. A live webcast will also be available on this site. Participants should access the live webcast at least 10 minutes prior to the start of the call. A webcast replay can be accessed on the corporate website beginning Wednesday, Dec. 3, 2014, at approximately 4:00 p.m. PT. The replay will remain available until Synopsys announces its first quarter fiscal year 2015 results in February 2015. In addition, a dial-up replay of the conference call will be available beginning Dec. 3, 2014, at 4:00 p.m. PT, ending on Dec. 17, 2014, at midnight. The replay telephone number is USA (800) 475-6701, and International (320) 365-3844,

Access Code 343554.

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Implementation Investments

Aviation Manufacturer Expands Application of 3DCS Variation Analysis in Dassault Systemes 3DEXperience Platform

11 November 2014

Dimensional Control Systems, Inc, is pleased to announce that Textron Aviation Inc., one of the leading manufacturers of business aircraft, has adopted 3DCS Variation Analyst as part of the 3DEXPERIENCE platform. This fully integrated quality enablement solution brings powerful tools to identify sources of variation in the manufacturing process, and address them as an element of the product definition.

The 3DEXPERIENCE Platform brings PLM to the next level, by integrating the tools for design and manufacturing into a single solution environment. Through this environment, users can collaborate and create like never before. Fourteen years ago DCS became the first CAA Gold Partner to integrate into CATIA V5. DCS continues this partnership with the integration of its variation analysis tool, 3DCS, into the 3DEXPERIENCE platform to bring powerful tolerance analysis and variation control into the 3DEXPERIENCE environment.

As an experienced 3DCS client, Textron Aviation continues to stay on the forefront of aircraft manufacturing. The 3DCS platform incorporates advanced design and manufacturing, through optimization and simulation to enhance design and manufacturing throughout the entire product life cycle.

"We are pleased to be part of Textron Aviation's move to the 3DEXPERIENCE platform," said John Mathieson, President and CEO of DCS. "We are excited to see them utilize this cutting edge engineering technology."

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Cofely Energy & Infra BV Selects Aras for Enterprise PLM

13 November 2014

Aras® today announced that Cofely Energy & Infra BV, a division of GDF-SUEZ and Europe's leading provider of efficient energy and environmental solutions, has selected the Aras solution suite for enterprise PLM. Cofely Energy & Infra will leverage Aras to standardize and optimize collaboration throughout the enterprise and extended enterprise, including external design firms and contractors, and to provide a single source of information for all project stakeholders.

Working with Aras gold certified partner Minerva, Cofely Energy & Infra will implement Aras Innovator® to standardize workflows and deliver significant infrastructure improvements in the areas of transport and traffic networks, oil & gas, water, marine & offshore, smart grids and more. To achieve this, The Netherlands-based company will roll out Aras solutions for document management,

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engineering change management, and configuration management.

“Aras Innovator will help reduce errors related to the sharing of designs and configurations,” said Rico Verhage, Manager of Configuration Management at Cofely Energy & Infra. “That will help us meet deadlines and streamline costs more efficiently than ever.”

Cofely Energy & Infra has become the leading infrastructure provider in The Netherlands because of their organized and multi-disciplinary team approach to implementation of infrastructural installations and systems. The company is part of GDF SUEZ Energy Services, one of the five business lines of GDF SUEZ. For more information please visit <http://www.cofely-gdfsuez.nl/en/markets/infrastructure.html>

“Cofely Energy & Infra continues to develop advanced solutions supporting sustainable and green technologies that ensure the highest quality of life for communities for years to come,” said Peter Schroer, President of Aras. “We are pleased that the Aras Innovator Suite and Minerva can contribute by providing a uniquely flexible and scalable PLM backbone and supporting services to help them drive innovation.”

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DLT Solutions to Serve as Leading Technology and Services Reseller for NASA

11 November 2014

[DLT Solutions](#) announced that it was awarded two blanket purchase agreements (BPA) with NASA. The first contract is an [\\$8 million BPA](#) with one base year and three option years to provide [Autodesk® software and services](#). The second contract, providing industry-leading open source software and services from [Red Hat](#), is a one-year BPA with three option years and no ceiling amount.

Both contracts are new, single-award wins for DLT Solutions and are available to all NASA centers, Associated Facilities and NASA funded programs through the [NASA Shared Services Center](#) (NSSC). In addition, both contracts provide NASA with a more streamlined and cost-efficient process for procuring Autodesk and Red Hat software and services while reducing administration costs and offering price reductions through a tiered discount model.

“DLT Solutions is proud to be the sole awardee for both NASA contracts,” explained [Brian Strosser](#), executive vice president of sales and marketing for DLT Solutions. “They are significant strategic wins that strengthen our relationship with NSSC’s Enterprise License Management Team and reinforce their focus on increasing operational efficiency and improving overall customer service. These awards also demonstrate DLT Solutions’ focus and commitment to support Civilian and other federal IT customers with solutions that help meet their critical needs through simplified contracts.”

DLT Solutions is an Autodesk Master Government Reseller and provides the public sector with Autodesk’s solutions for: Building Information Modeling (BIM), Integrated 2D and 3D Digital Design Mapping/Geographic Information Systems (GIS), Civil Engineering Software, Construction Simulation, and Collaboration Solutions.

As one of Red Hat’s largest government resellers and recent Red Hat Cloud Partner of the Year awardee, DLT Solutions offers Red Hat software and services including Red Hat Enterprise Linux, Red Hat Enterprise Virtualization, Red Hat JBoss Middleware, Red Hat Storage, and the recently announced [Red Hat Cloud for Government](#).

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ITL Selects Intergraph® CADWorx® Plant Professional

13 November 2014

Leading New Zealand hydrocarbons engineering company ITL has selected Intergraph® CADWorx® Plant Professional plant design software to deliver all new projects going forward.

ITL made the switch to CADWorx Plant Professional from a competitor product after evaluating a range of plant design software packages against criteria that included cost-effectiveness, features and usability.

"After an extensive evaluation exercise, one of the main deciding factors for us was that Intergraph has made considerable investments to advance CADWorx over the past few years, rather than just maintain it," said Garnett Henderson, ITL's design office manager. "We haven't seen that with many other vendors.

"We also like the admin setup for CADWorx Plant Professional," Henderson added. "The majority of our jobs are relatively small, and CADWorx does not assume you want to link every document in a project together out of the box. You can get up and running quickly on small projects, and choose to add the integration of the project database's as you require."

As ITL was already using Intergraph ISOGEN®, and PV Elite®, an Intergraph product used for vessel and exchanger design and analysis, CADWorx Plant Professional's compatibility with these two solutions was also a major factor in the decision.

Gerhard Sallinger, Intergraph Process, Power & Marine president, said, "We are pleased to welcome ITL to Intergraph and look forward to working with them to deliver critical projects to New Zealand's hydrocarbon, petrochemical and marine industries."

Intergraph CADWorx & Analysis Solutions products allow design and engineering to share relevant information seamlessly, thereby maintaining accuracy and improving efficiency. These include CADWorx Plant Design Suite, for AutoCAD®-based intelligent plant design modeling, process schematics and automatic production of plant design deliverables; CADWorx DraftPro®, for intelligent 2D design and layout; CAESAR II®, the world's most widely used pipe stress analysis software; PV Elite®, for vessel and exchanger design and analysis; TANK™, for the design and analysis of oil storage tanks; and GT STRUDL®, one of the most trusted, adaptable and fully-integrated structural analysis solutions in the world.

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Product News

Altair Launches HyperWorks Unlimited™ - Virtual for Amazon Web Services

11 November 2014

[Altair](#) today announced the launch of HyperWorks Unlimited™ - Virtual (HWUL-V) for Amazon Web Services (AWS). The company will be showcasing the technology in the Intel booth during the

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re:Invent global AWS user conference from Nov. 11-14 in Las Vegas, NV. HWUL-V integrates unlimited use of the HyperWorks® computer-aided engineering (CAE) suite with PBS Professional®, a leading high-performance computing (HPC) workload manager, and application-aware portals for HPC access and remote visualization of big data.

This solution enables organizations to manage the entire simulation lifecycle on the cloud. Moreover, Altair's licensing model is unique in the industry, providing a strong value proposition for the enterprise as well as for small to medium-sized businesses. HWUL-V will be offered in all AWS regions globally, including the United States, Europe, Brazil, Japan, Singapore, and Australia, with customers gaining seamless access to HPC-driven CAE regardless of location.

"Leveraging HPC for CAE has historically been restricted to those with significant resources and access to expensive hardware," said Sam Mahalingam, Chief Technical Officer of Altair. "HyperWorks Unlimited - Virtual eliminates the need to build and support information technology infrastructure to support HPC. This solution provides access to a wealth of highly accurate solvers that enable engineers to simulate a broad range of physics, along with a world-class workload manager, remote data visualization, and data management, making infinite design exploration affordable, simple, and convenient."

"Altair's cloud solutions, namely HyperWorks Unlimited - Virtual on AWS, allow us to seamlessly scale our CAE needs through a simple application-aware, web browser gateway. We use HyperWorks on the cloud exactly the same way we would use it on our desktops, with the added ability of setting up large runs directly on the HPC infrastructure and post-processing all the runs on the server side, eliminating the need for downloading large result files. For companies like ours looking to do large-scale exploration, the ease of instantaneously accessing CAE and HPC without the massive integration expense and large deployment time is extremely beneficial. Altair is uniquely eliminating the barriers to HPC with its technologies and business model on the cloud," said Martin Oman, Chief Operating Officer at [LeanNova](#) of Sweden.

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Announcing the Release of InspectionXpert OnDemand for CAD

12 November 2014

InspectionXpert Corporation announces the release of the new InspectionXpert OnDemand for CAD, a new quality planning and documentation software platform that supports both 3D model-based and 2D print-based formats. InspectionXpert OnDemand for CAD means end users who need to create inspection packages can now save money and time using the same workflow regardless of input file format.

Key highlights of InspectionXpert OnDemand for CAD:

- Does not require a CAD license to view, balloon, and extract inspection data for reporting
- Supports both 3D Model-based definition (MBD) and traditional 2D print-based inspection planning
- Create 3D and 2D PDFs from CAD models
- Support new DOD Model Based Definition (MBD) standards

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- Standardize MBD inspection plans in your supply chain.
- Uses InspectionXpert OnDemand™ technology for secure, instant access from any computer at any time

[Learn more about InspectionXpert OnDemand for CAD.](#)

“InspectionXpert OnDemand is the simplest and fastest way to generate quality inspection forms and ballooned inspection drawings or MBD inspection models,” explains Jeff Cope, CEO. “We’ve purpose-built InspectionXpert OnDemand for CAD from the ground up to be used on any computer, at any time, without manual installation and eliminating the cost of expensive CAD software licenses. This is a tool all manufacturers can integrate easily and quickly into their quality inspection process; saving time, money and increasing quality.”

Manufacturers, Machine Shops, and many OEMs use a variety of CAD programs to generate or view 2D prints and 3D models for manufacturing. Creating quality inspection documents, such as first articles or in-process inspection reports, is still primarily a manual, error-prone and time-consuming process and often involves having to purchase costly CAD licenses or generating completely new CAD documents for inspection. Now quality departments can view native CAD files including CATIA V5 2D or 3D, CATIA V6, and .dwg files using InspectionXpert, without having to purchase a CATIA or other CAD license. Support for additional CAD formats including NX, Creo/ProEngineer, Solid Edge, Inventor, Step, JT and DXF will be offered in the coming months.

“Suppliers who are looking to take advantage of the trend toward MBD will really benefit from a scalable, CAD-neutral software solution,” explains Chip Depew, VP of Operations. “InspectionXpert OnDemand for CAD provides a solution that improves throughput in the quality department while generating professional, accurate quality documentation to their customers in a fraction of the time.”

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BETA CAE Systems S.A .Announces the Release of ANSA & μETA v15.1.3

14 November 2014

BETA CAE System S.A. announces the release of v15.1.3 of ANSA / μETA pre- and post- processing suite. This maintenance release focuses on the correction of identified issues for the ANSA / μETA 15.1x branch and is addressed to those who wish to continue to use the v15.1x branch with its issues resolved.

BETA CAE System is committed in delivering improved and enhanced software releases, the soonest possible, in order to meet the requirement of their customers for the continuous improvement of their experience and work. Therefore, they are working in releasing new software versions with code corrections, new software features and enhancements, in regular, frequent intervals.

- A major software version is released every year.
- First point releases, such as v15.1.0, v15.2.0 and so on, with code corrections but also with additional software features and enhancements are released every three months.
- Second point releases, such as v15.2.1, v15.2.2, v15.2.3 mainly with code corrections only upon their parent first point release, are scheduled on a monthly basis.

Each software release is accompanied by a detailed description of the introduced corrections and/or

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additions so that their customers can decide whether it is critical to implement this release in their environment.

This release of v15.1.3 implements code corrections, to the v15.1.2 release and the latest pre-existing releases of the 15x branches. The corrections implemented in this release were also propagated to the imminent v15.2.0.

To view the full list of resolved issues and enhancements, visit: http://www.beta-cae.gr/news/20141111_announcement_ansa_meta_v15.1.3.htm

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BETA CAE Systems S.A. Announces the Release of ANSA & μETA v15.2.0

14 November 2014

BETA CAE Systems S.A. announces the release of v15.2.0. Developed in close cooperation with our customers, v15.2.0 offers a complete package of new solutions for pre- and post- processing and further facilitates the CAE working ways.

BETA CAE System is committed in delivering improved and enhanced software releases, the soonest possible, in order to meet the requirement of their customers for the continuous improvement of their experience and work. Therefore, they are working in releasing new software versions with code corrections, new software features and enhancements, in regular, frequent intervals.

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Each software release is accompanied by a detailed description of the introduced corrections and/or additions so that their customers can decide whether it is critical to implement this release in their environment.

This release

This release of v15.2.0 implements enhancements and code corrections to the v15.1.x branch.

To view the full list of enhancements, visit: http://www.beta-cae.gr/news/20141111_announcement_ansa_meta_v15.2.0.htm

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Dassault Systèmes Launches “Engineered to Fly”, a New Industry Solution Experience for Aerospace and Defense Suppliers

11 November 2014

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[Dassault Systèmes](#) announced at its annual [3DEXPERIENCE Forum NAM](#) the launch of “Engineered to Fly,” its latest aerospace and defense industry solution experience. This solution, tailored for small- and medium-sized aerospace and defense suppliers, enhances productivity from bid to delivery, offering an unrivaled competitive advantage.

Aerospace and defense suppliers today face significant pressure to improve gross margins, revenues and market share. The number of companies competing for business is rising while original equipment manufacturers (OEMs) are imposing just-in-time delivery of parts and systems requiring greater production flexibility from suppliers.

To address these challenges, the “Engineered to Fly” industry solution experience offers:

- **Driven and controlled execution** allowing collaboration with multiple OEMs while maintaining fully secure intellectual property (IP);
- **Enhanced operational efficiency** leveraging real-time project execution, predefined templates and automated processes; and
- **Digital continuity optimized with dedicated solutions for each major design class** and covering the process from design engineering to manufacturing and production.

“‘Engineered to Fly’ sets a new standard in productivity with dedicated solutions for each major commodity class, from machined parts to composites, sheet metal, systems and installations,” said Michel Tellier, Vice President, Aerospace and Defense Industry, Dassault Systèmes. “This solution for aerospace and defense suppliers maintains digital continuity from design engineering to manufacturing while securing IP. Benchmarks conducted by our customers consistently indicate productivity improvements of 40 percent and reduced cost of ownership by as much as 15 percent versus current state-of-the-art methods.”

“As we expand our design and installation business for high-end large aircraft interiors, Dassault Systèmes’ ‘Engineered to Fly’ offers us seamless collaboration across our design disciplines and simplicity when working with large assemblies. The resulting engineering productivity is critical as we enter a crucial phase in our history,” said Stephen Shaffer, CIO, GDC Technics. “Inceptra, our Dassault Systèmes’ solutions partner, has been instrumental in guiding the successful implementation as we adopt the 3DEXPERIENCE platform. We anticipate continued improvement as we enter phase two of the deployment.”

“We believe the Dassault Systèmes’ ‘Engineered to Fly’ industry solution experience is the right solution at the right time for customers like GDC Technics. ‘Engineered to Fly’ and the 3DEXPERIENCE platform provide a strong foundation to improve productivity and support company growth,” said James Ryan, CEO, Inceptra.

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Dassault Systèmes Launches Two New Industry Solution Experiences for Natural Resources

12 November 2014

[Dassault Systèmes](#) today announced at its annual [3DEXPERIENCE Forum NAM](#) two new natural resources industry solution experiences for mining, “Lean Mine Construction” and “Perfect Mine and

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Plant.” Based on Dassault Systèmes’ 3DEXPERIENCE platform, these industry solution experiences drive transformational change in mining by helping companies develop and run more efficient mines with unprecedented decision-making agility.

The mining industry has faced severe business challenges for over a decade. Fragile economic recoveries and changing mining commodity demand have negatively impacted productivity, while operating costs have increased. In addition, operations have suffered from inefficient interaction between core planning, engineering, plant production and geology teams. The result is pressure on profit margins, making many mining operations unprofitable and/or forcing them to close.

Dassault Systèmes’ new industry solution experiences introduce greater agility into business planning, design and production to spark long-needed change. With “Lean Mine Construction”, the applications and knowledge required to help ensure that mine sites are completed on time and on budget, are all available on one platform. “Lean Mine Construction” unites mining companies with their contractors and partners in an immersive collaborative environment for site infrastructure and processing plant design, project planning, procurement, and construction management. Mine sites can deliver optimal production and efficiency from the moment they are commissioned.

With “Perfect Mine and Plant”, all levels of a mining organization collaborate to make the company more agile in response to operational performance variation, emerging business opportunities and changing market conditions. Executives, planners, and mine managers use data from across the mining value chain, along with decision making applications, to optimize long-term plans, align financial objectives and ensure that all levels of the organization are synchronized, for greater strategic control.

“Producing the raw materials essential for economic development and our modern lives is becoming ever more complex. Success for the mining industry comes from two sources of competitive advantage – increased productivity through a stable operating model facilitated by technology and the implementation of disruptive technologies that can change the game. Companies will need both to succeed,” said Tony O’Neill, Group Director, Technical and Sustainability, Anglo American. “By using 3D modeling of concepts and providing the ability to rapidly and dynamically test ideas in a more expansive way, Dassault Systèmes’ 3DEXPERIENCE platform plays a key role in addressing some of the mining industry’s business performance challenges.”

“The mining industry is at a tipping point in its history as companies seek to return greater profits while doing so more sustainably,” said Monica Menghini, Executive Vice President, Corporate Strategy, Industry and Marketing, Dassault Systèmes. “Our 3DEXPERIENCE platform and its industry solution experiences are bringing a new level of innovation to mining and will help deliver the technological step changes companies need to deliver on their objectives.”

Key Capabilities and Benefits

“Lean Mine Construction”:

- Ensures better mining operational productivity through 4D simulation and modeling to identify the right site infrastructure layout and plant processing capacity before construction begins;
- Lowers costs and reduces errors by enabling design of modularized infrastructure and plant components, which can be tested and assembled in a virtual world before fabrication is approved;
- Supports rapid adjustments to engineering designs when requirements change, and facilitates just-in-time delivery of components to site and further lowers costs through integration of design engineering, project scheduling, and procurement;

“Perfect Mine and Plant”:

- Reduces variability through optimized scheduling and operational control;
- Delivers on the promise of big data to improve productivity, efficiency, and cost control across mining organizations;
- Provides management with the data needed to achieve predictable production output and meet production targets;
- Breaks down the silos between mining and processing functions and provides the simulation and validation capabilities required to allow innovative ideas to be explored and proven before they are implemented.

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Digi-Key Expands Portfolio of EDA Software Tools

11 November 2014

Digi-Key Corporation today announced an expanded, comprehensive suite of EDA tools. The new and updated software options enable design engineers to streamline the entire (PCB) design process – from prototype to production. Ranging from Digi-Key's free Scheme-It tool to new higher-end design options co-developed with Mentor Graphics, the global distributor is the first to offer a complete ecosystem of product design tools.

"We're in the business of giving design engineers everything they need to simplify and accelerate product design," said Randall Restle, Director of Applications Engineering for Digi-Key. "Digi-Key is a one-stop-shop supporting the process from concept to prototyping to production. Most importantly, these tools are linked directly to hundreds of thousands of in-stock components, further simplifying the process. We're ecstatic about having all of the tools necessary to pave new roads for the design engineer."

The Digi-Key design tool ecosystem features a suite of tools created by Aspen Labs – Scheme-It, PartSim and PCBWeb – complementary diagramming, simulation and PCB design environments that simplify the entire product design cycle. Customers have already created over 37,000 designs in the popular Scheme-It online diagramming tool and have run over 400,000 circuit simulations in PartSim. PCBWeb has a newly enhanced feature set and is now a fully integrated desktop-based PCB design and layout environment. Not only does PCBWeb enable engineers to easily complete printed circuit board design and layout, but they may now order PCBs from leading manufacturers and purchase their entire bill of materials through Digi-Key directly from within the tool.

In addition, Digi-Key partner Mentor Graphics co-developed a set of professional-level EDA tools based on the EDA provider's popular DxDesigner and PADS series. The software includes free access to Mentor Graphics' PartQuest™, a fully integrated website that merges Digi-Key part numbers with symbols and footprints, reducing manual errors and saving time and cost.

New jointly developed [Designer Schematic](#) and [Designer Layout](#) tools are available at a 30-percent discount, starting at \$199 and \$449, respectively. The product licenses are sold as an annual subscription, exclusively from Digi-Key. Also, for a limited time, the software is available for a 15-day evaluation period, free of charge.

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Today's announcement is part of Digi-Key's news roll-out strategy around electronica 2014, the leading international trade fair for electronic components, system and applications, which will take place next week in Munich, Germany. Digi-Key is located in Hall A5, Booths 565, 576 and 578.

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GibbsCAM Now Includes VoluMill

12 November 2014

Gibbs and Associates today announced that, beginning November 1 of this year, it began including a no-cost license of VoluMill™ Wireframe for GibbsCAM with each new license of GibbsCAM Production Milling. Until now, the ultra-high-speed-toolpath engine was a fee-based option for GibbsCAM Production Milling, the primary milling package upon which a series of multi-axis GibbsCAM machining options integrate. Production Milling, which provides wireframe geometric modeling and toolpath generation for 2-, 2.5, and 3-axis machining, with 4th axis positioning, will now have VoluMill integrated within its traditional, shop-friendly interface. VoluMill Wireframe for GibbsCAM is a high speed machining process developed specifically to achieve the highest material removal rates while extending tool life through smooth transitions and constant tool loading. Customers have reported cycle time reductions as high as 70% and tool life extension of five times.

“Although we believe that our software already carries exceptional value, we are pleased to offer this incremental value to customers,” said Robb Weinstein, Senior Vice President of Sales and Strategic Planning of Gibbs and Associates. “They will achieve the greatest productivity possible in roughing parts, and quickly see how VoluMill’s ultra-high-speed machining, with its optimal material removal rates, translates into high-speed part production at lower cost through savings in time, tools, and machine maintenance.”

Traditional roughing toolpaths are typically generated as parallel offsets with sharp corners and transitions, requiring stops, starts and variable speeds to optimize motion and protect cutting tools from excessive wear and breakage. In contrast, VoluMill generates toolpaths optimized for volumetric material removal by using continuous tangential motion, specialized contour ramping, adaptive feed rates, and chip thickness control, achieving the highest feeds and speeds possible. By leveling tool load, maintaining constant machine-tool motion and using high-speed-repositioning, the software produces more efficient toolpaths, extends tool life and significantly reduces cycle times. No additional optimization is required.

VoluMill for GibbsCAM works on any combination of part and stock boundaries, and supports an unlimited number of islands, walls, pocket depths and island heights. Some of the additional contributors to faster removal rates, longer tool life and much shorter cycle times include:

- Programmed rate of material removal to keep tool and work piece temperature consistent, dissipating heat with chips
- Automatic feed rate and depth of cut adjustment to maintain programmed material removal rate, eliminate excessive loading, and minimize tool wear, heat build-up and vibration
- Intelligent side milling and slot milling (with programmer override) to provide the fastest possible cycle time, with automatic feed rate and Z-depth adjustments in slot milling for constant material removal

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- Smoothing radius to maximize tool utilization and minimize cycle time
- Contour ramping to maximize removal in tight areas, while minimizing cycle time
- Up to 100% step-over to ensure complete cleanup
- Clean-up milling to allow a smaller tool to remove material left by a larger tool
- High-speed repositioning, with minimal clearance and no tool drag across floor

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GRAITEC Launches PowerPack, Productivity Tools for Autodesk Advance Steel

14 November 2014

[GRAITEC](#) is excited to announce the launch of their complementary productivity tools for Autodesk Advance Steel, [GRAITEC Advance PowerPack](#).

The GRAITEC Advance PowerPack is a powerful extension to [Autodesk Advance Steel](#) designed to enhance the user's capability, productivity and efficiency. By introducing industry specific and localized content, tools, templates and connections that complement what is already available in Autodesk Advance Steel, GRAITEC clearly aims to remain a market leader in providing practical technology solutions for the steel industry.

GRAITEC Advance PowerPack for Autodesk Advance Steel will provide users with a multitude of new tools and functionality specifically intended to give them a competitive advantage. The first version of GRAITEC Advance PowerPack will introduce new tools for faster modelling, such as continuous beam and folded plate extender, and new capability such as the castellated beam and cellular beam sections, all combined with more intelligent and automated templates, all seamlessly integrated into a new user-friendly ribbon, the GRAITEC Advance PowerPack complements the use of Autodesk Advance Steel and enhances the user experience and project design workflow.

Supported by Autodesk and with our ability to react quickly GRAITEC plans to make the most of the 25 years of experience servicing the steel industry and release a new version of Advance PowerPack every quarter. Not only does this introduce enhanced functionality to Autodesk Advance Steel to speed everyday use but also delivers localised content and importantly tools and processes to address the needs of new market sectors.

GRAITEC recognises Autodesk Advance Steel as a clear market leader in BIM for steel professionals and intends to continue to deliver complementary tools on this platform to ensure its dominance in the market.

Francis Guillemard, GRAITEC CEO adds: "GRAITEC has spent over two decades delivering professional technology and expert services to the steel industry; as a market leader it is natural that this continues. Delivering a PowerPack for Autodesk Advance Steel is a great way for us to add more value for our customers but also enables GRAITEC and Autodesk to react fast to new market needs and trends and also demonstrates our commitment to Autodesk and the industry."

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Granta announces GRANTA MI:Materials Gateway for HyperMesh

11 November 2014

Granta Design announced the release of [GRANTA MI:Materials Gateway™ for HyperMesh®](#), which provides quick, traceable access to materials data and applications within HyperMesh, the CAE pre-processor from Altair's HyperWorks® suite. This new application further reinforces MI:Materials Gateway as the standard for accessing and applying managed materials data across a broad range of CAD, CAE, and PLM software.

Quality materials property data is a pre-requisite for accurate design and simulation. Granta has worked with some of the world's top engineering enterprises to develop best practice in managing, accessing, and applying materials property information. The resulting [GRANTA MI™](#) software enables these companies to store and use both their corporate materials knowledge and an unrivalled catalog of Granta-supplied [materials reference data](#) on thousands of metals, plastics, ceramics, composites, and natural materials.

GRANTA MI:Materials Gateway for HyperMesh appears as an embedded application within HyperMesh, putting this authoritative materials information into the hands of simulation engineers. It complements the flexibility of HyperMesh in supporting multiple CAE solvers. Switch solver profiles in HyperMesh, and the [MI:Materials Gateway](#) does likewise—presenting CAE material models relevant to the current solver profile. This ensures the right materials data, in the right format, with full traceability, when and where it is needed.

GRANTA MI:Materials Gateway for HyperMesh ensures traceability to the company's "gold source" materials data. At any time, authorized users can access and retrieve additional information on chosen materials via the live link to the master database – in some cases from hundreds of available properties on each material. Whether for simple linear-elastic analysis or full strain-rate dependent stress-strain models for crash simulation, control over versioning of materials properties provides notifications directly in HyperMesh if materials properties used in FEA have since been updated.

"We believe that MI:Materials Gateway revolutionizes the accessibility and quality of the materials property data used in design and engineering software," commented Dr. Arthur Fairfull, product director for Materials Strategy and PLM Integration at Granta Design. "Working with our partners Altair, we have developed a practical, easy-to-use interface for accessing materials properties and models from GRANTA MI directly within HyperMesh, providing easy and consistent access to approved materials models. This saves time for individual CAE engineers, and also integrates them into their company's overall strategy for materials information management."

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- Support new DOD Model Based Definition (MBD) standards
- Standardize MBD inspection plans in your supply chain
- Uses InspectionXpert OnDemand™ technology for secure, instant access from any computer at any time

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IronCAD 2015 Released to Boost Design Productivity

10 November 2014

IronCAD announced the release of their highly anticipated 2015 IronCAD Design Collaboration Suite (DCS). Customers will benefit from an improved user experience, enhanced design capabilities and new collaboration tools.

Simplifying the user experience is a key objective for the IronCAD development team and the 2015 release delivered upon this by extending its Configuration Based Design capabilities such as its unique catalog interface. IronCAD DCS catalogs allow design elements to be stored as basic elements or intelligent elements and then dragged & dropped onto any new object. With the added intelligence, components can automatically configure position, orientation, size, and can give access to business

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information such as quoting, procurement and more. Extending upon the catalogs, IronCAD DCS 2015 adds the ability to create catalog groups, which makes it even simpler to organize data and find the best fitting element. Additional intelligence is accessible to automatically constrain elements for not only fit but for function when used in mechanisms.

Beyond the core configuration based design improvements, IronCAD DCS 2015 developed better memory management which improved performance with large data files by up to 20%.

To further enhance verification during the design process, IronCAD DCS 2015 has integrated Multi-Physics (Multi-Physics for IronCAD), a general-purpose solution for modeling and simulating physics-based problems. Also new is a 3D Annotation framework that is the basis for PMI (Product Manufacturing Information). Leveraging its existing industry standard annotation capabilities, users will now have the ability to create 3D annotations such as weld, datum, surface finish, notes, and standard dimensions stored in user-set viewing planes for easy visibility within the 3D scene.

In addition to the many IRONCAD standard improvements, this release focuses on tighter connections to 3rd party programs that help expand the Configuration Based Design capabilities both within an enterprise and extending outside to companies consumers and suppliers. Such improvements include support for KeyShot 5 giving users access to the latest improvements and rendering capabilities to create visuals that can be used for quoting, marketing and product documentation. Connections to Sketchfab and GrabCAD extend online accessibility to collaborative content.

IronCAD's commitment to sharing design content throughout the supply chain and the extended global team has fueled the creation of more powerful collaboration tools. Capabilities such as SmartMarkup and the new COMPOSE iOS app allows users to import, export, view and collaborate with extended teams to speed up the development process. The IronCAD DCS allows users to share, in a secure way, design data on applications with different levels of access and usability. The ability to automatically connect to the source product data allows IronCAD DCS designers to quickly see optimized design configurations and preview downstream change requests. Designers can then accept, reject or further optimize design changes directly to speed product designs into production.

Cary O'Connor, Vice President of Marketing at IronCAD, stated, "The extension of our Configuration Based Design with our new 2015 release definitely enhances our customer experience and efficiency. These core design tools facilitate quick design, sharing, reuse and accessibility among different user levels across business processes."

"Furthermore", Cary added, "Our customers will benefit from IronCAD DCS 2015 collaboration tools such as Smart eMarkup especially on mobile devices like the iPad. The improvements in the catalogs as well as the advances in communication allows our customers to deliver the highest quality designs faster than ever before possible."

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IronCAD Launches Multi-Physics Integration

13 November 2014

IronCAD today announced a new seamlessly integrated Multi-Physics module. "Multi-Physics for IronCAD" (MPIC) is the newest generation of integrated CAD/FEA for general entry to advanced

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design simulations. MPIC focuses on ease of use and provides fully coupled Multiphysics with stress, thermal, and electrostatic analysis.

Traditional FEA solutions are specialized for advanced users and are not particularly well suited for quick, in-process design analysis. With MPIC, users at any skill level will be able to use full FEA capabilities. Seamlessly integrated, users can simply add material, forces or constraints and the AutoSolve meshes and returns analysis results. Any modifications to the IRONCAD model enables an analysis re-solve in seconds

As part of the IronCAD Gold Partner Program, a node-limited version of MPIC is included with full product capabilities with the standard IRONCAD solution. Beyond the included version, customers can purchase a full accuracy basic version, advance version, and add-on functionality. MPIC is available for purchase through IronCAD distributors along with product licensing and technical support.

Cary O'Connor, Vice President of Marketing at IronCAD had this to say, "Our goal was to help our customers solve complex multi-physics tasks quickly and accurately. MPIC is an advanced multithread FEA application with fast solver technology that can process large models with millions of equations in minutes."

Cary added, "Even though the included version is node-limited, MPIC's technology gives our customers extended capabilities to quickly and accurately test their product designs. We believe that all IronCAD customers can benefit from increased design productivity."

Chuck Paulsen, Business Director of AMPS Technologies states, "We designed MPIC to deliver a videogame-like experience to analysis but behind the scenes, the advanced and robust AMPS technology provides a true what-if analysis tool for designers who need to pre-check, concept-proof, and experiment with different design scenarios. Collaboration with IronCAD offers a win-win solution for customers with innovative and easy-of-use solid modeling combined with completely integrated multi-physics analysis."

Ted Lin, founder of AMPS Technologies states, "Since the founding of AMPS in 2003, we've been driven to create the newest and most-advanced technology for our customers. We developed from the ground up the newest generation of LSFEA (Least-Squares FEA) and Sefea™ (Strain Enriched FEA) for integrated stress, thermal, fluid and electromagnetic to meet this goal."

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Luxion Partnership Brings Sørensen Leather Materials to KeyShot

11 November 2014

Luxion and Sørensen Leathers are pleased to announce the exclusive partnership that brings the full line of Sørensen Leather to KeyShot Cloud.

With the release of KeyShot 5, Luxion continues to simplify the product development process, from concept design to sales and marketing. Within KeyShot 5, users now have direct access to Sørensen Leather materials via KeyShot Cloud. 289 leather grains and colors in total can be applied with a simple drag-and-drop of the material onto the object from the KeyShot Cloud interface. The leathers are applied as textures, retaining the ability for other material settings, including colors to be applied to the model, making it faster than ever to communicate the desired appearance of products and visuals.

"When I was a little girl my father showed me my first hide ever," relates Louise Vesterskov

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Sørensen, CEO and Partner at Sorensen Leather. “When I felt its smoothness and saw how beautiful it looked, then I knew leather was going to be more than just a passion for me, rather a life style. Luxion has helped a lot bringing this passion into the digital era. It brings me great joy to be able to share this passion with fellow leather enthusiasts as well as professionals in such a new and inspiring way!”

Tibi Selejan, Concept Developer at Sorensen Leather says, “It feels incredible to be able to give something back to the community that features a real, tangible product. I’m like a proud father seeing his babies take their first steps!”

“The level of quality in Sørensen Leather is beyond compare,” says Henrik Wann Jensen, Chief Scientist at Luxion. “With this partnership, KeyShot users have a wider range of leather materials that accurately match the physical samples. We are excited to make them available for free on the KeyShot Cloud.”

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MachiningCloud Feeds Iscar Tool Data to VERICUT

11 November 2014

CGTech has announced that as a result of the CGTech-MachiningCloud-Iscar partnership, VERICUT users can directly download Iscar tool assemblies and use it within VERICUT software with minimal effort.

Most leading cutting tool manufacturers now make 3D solid model data available and VERICUT can read in this model data for use in the simulation process. Iscar’s MachiningCloud application, named IQCloud, increases its customers’ productivity by offering instant access to the company’s complete and up-to-date cutting tool data, without the hassle of searching through printed catalogues and various websites to find ideal tooling and then manually entering the data into the shop’s software. Tool assemblies can be grouped into “jobs,” and the complete job can be imported into VERICUT’s tool manager with only a few clicks.

“The accuracy of the data input into VERICUT directly affects the output. So, an accurate model of the cutting tool and holder is required for the effective and accurate simulation of the machining process,” said CGTech Product Marketing Manager Bill Hasenjaeger. “We always look for simple ways to reduce the time to setup VERICUT and ensure it correctly mimics the operations. Having direct access to the Iscar cutting-tool product data through the MachiningCloud App reduces the frustration and time associated with obtaining the tooling information needed.”

VERICUT CNC machine simulation, verification and optimization software simulates all types of CNC machining, including drilling and trimming of composite parts, water jet, riveting, robots, mill/turn and parallel kinematic/hexapods. It operates independently, but can also be integrated with leading CAM systems.

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OpenText Launches New Enterprise-Grade Cloud Information Management Solution

12 November 2014

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OpenText™ today announced OpenText Core, a cloud-based multi-tenant SAAS offering for Information Management. OpenText Core will allow for the simple, secure and smart exchange of corporate documents and collaborative information management.

"Our customers need hybrid deployments, on-premises and in the cloud, to create a balanced workload that meets all their data sovereignty requirements while leveraging the power of the cloud," said Mark J. Barrenechea, president and chief executive officer of OpenText. "Enterprises have different requirements for scale, security, performance, in country data-zones and governance than consumers. With OpenText Core, we are delivering a product leveraging our 20 years of Enterprise Information Management experience that is going to change how the world's largest companies and governments run."

To stop the risk associated with the spread of consumer-grade file sharing and content proliferation on laptops, mobile devices and unmanaged public clouds, IT departments are feeling mounting pressure to find solutions that meet the needs and expectations of users while minimizing the exposure to security risks for the organization. As organizations transform their business to the digital-first world and move to the cloud, they require applications that balance user experience and productivity with enterprise security and controls. OpenText Core is built specifically for the digital enterprise. It combines the benefits of a secure cloud deployment with a simplified user experience across any device, whether tablet, phone or browser, to allow users to get files fast and easily.

OpenText Core offers:

- **Information Management**—Core features an HTML 5 file viewer for office documents and media. An interface designed simply and efficiently for work, regardless of device, contains capabilities such as drag and drop, full text searching sorting and filtering and version control for end users.
- **Social Collaboration**—Share documents among teams with internal and external permission controls. As with many social and cloud platforms, users have the ability to "like" and leave comments on posts.
- **Activity Feeds**—Users have a dashboard of recent activity to keep track of their items as well as get a full view of their projects.
- **Live Editing**—The collaborative file viewer allows users to review files without the need to save copies locally on devices. Files can be edited within the Core experience and changes are reflected instantly, without having to wait for synchronization to a desktop location.
- **Administrative Controls**—Core provides an administrative dashboard as well as capabilities for user management, access management and remote wipe. Providing the controls necessary for business-centric cloud based information management.

OpenText Core takes advantage of the same OpenText Cloud infrastructure that has processed more than 16 billion transactions per year representing \$6.5 trillion in commerce, stored 3.5 petabytes of content, integrated 600,000 trading partners and benefitted more than 60,000 customers around the globe.

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Small Innovation Faster Design, GstarCAD 2015 Beta Released

5 November 2014

Gstarsoft launched its new platform GstarCAD 2015 on 31 October 2014. Users will take full advantage of unlimited design possibilities with more valuable features, including cloud storage, barcode & QR code, PDF underlay .net framework support and many more.

GstarCAD 2015 new features are meant to work simple and flawlessly when creating documentation, detailing, or even sharing drawing data to accomplish your design. Three important drafting solutions combined with a collaborative capability and innovative features is what this version offers to CAD user.

Drafting Workflow Solutions

User Interface Enhancement

Start GstarCAD2015, you can see a more attractive interface. This version offers a new theme interface supplied by a customized ribbon with lighter icons that provides clearest interface, improving drawing space visualization. Furthermore users can link to our website to get information and directly download the GstarCAD mobile application through the new tab called (Applications) that has been added to the ribbon.

PDF Underlay

You can reference and place a PDF as underlay in drawing files the same as you do raster image files. You can adjust the underlay properties like contrast, fade, monochrome, and colors for background.

.Net Framework Support

GstarCAD .NET API enables you to manipulate the application and drawing files programmatically with libraries that are exposed and can be accessed by many different programming languages and environments. So far, GstarCAD2015 support GRX、Lisp、VBA、ADS、.NET.

Sheet Set Manager

Managing large sets of drawings manually can be complicated and time consuming. With the Sheet Set Manager, you can manage drawings as sheet sets plus manage and edit data, automate drawing set up, provide easy access to department drawings, simplify publishing/printing of the entire design set.

Cloud Storage

Collaborative capability between different fields like design, engineering, and project team work together efficiently thanks to cloud storage support. View and share data in the dropbox and mobile devices will be possible in the official version.

Innovative Features

Barcode & QR Code

GstarCAD 2015 introduces two innovative features Barcode & QR Code, which will impact the way of storage and trace relevant drawing data in the CAD industry. Barcode & QR Code can be inserted to the drawings, accomplishing identification and correspondence among paper, electronic drawings and real entity.

Commands Enhancements

GstarCAD focus on optimization of the function users frequently use, small innovations work for easy

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design experience. Commands like line, polyline, circle, rectangle, copy, and rotate have been enhanced through new options that help to cut-down repetitive task on basic operations.

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Spatial and Machine Research Collaborate to Take 3D Manufacturing to the Cloud

13 November 2014

[Spatial Corp.](#) announced today that they have teamed up with Machine Research to develop a new, cloud-based software solution for manufacturing companies. Spatial and Machine Research will partner to deliver secure, ITAR-compliant software that helps [manufacturers](#) mine and reuse their existing manufacturing knowledge, thereby increasing efficiency and streamlining workflows.

The combination of a flexible business model and core 3D technology from Spatial gives Machine Research a powerful partner that will help sell its SaaS products to manufacturers and opens new growth opportunities for Spatial's solutions. By leveraging Spatial's expertise in 3D software development, application developers from Machine Research can focus their efforts on building innovative software solutions making it easier to share manufacturing knowledge.

"Manufacturers have made smart, strategic investments in software; yet for all the investment, the industry's current way of implementing that software remains fragmented and inefficient. We think there's a better way," explained Chris Skubic, CEO, Machine Research. "Working closely with Spatial, we're giving manufacturers the tools they need to leverage and reuse their institutional knowledge more efficiently and, ultimately, more profitably."

"Machine Research is doing something really novel and innovative in the industry," stated Jean-Marc Guillard, CEO, Spatial Corp. "Manufacturers spend a lot of money on software infrastructure, and this solution will enable them to integrate all of their tools more efficiently and profitably in the cloud."

According to Skubic, the collaboration between the companies is a great fit, because Machine Research is completely aligned with Spatial's vision of leveraging existing building blocks available in the marketplace. The features Spatial has built in its core 3D CAD technology are extremely difficult and expensive to build from scratch. Working with Spatial, Machine Research is able to give their customers the CAD functionality they need without forcing them to buy a full CAD platform.

"At the end of the day, we're not a CAD or CAM company. We're a company whose sole mission is to help today's manufacturers re-use and transfer their knowledge to future generations and streamline their workflows," concluded Skubic. "Integrating Spatial's technology helps us serve our customers better."

The suite is the first piece in larger push by Machine Research to build a modern platform to help companies get more out of their existing manufacturing knowledge. It leverages Spatial's [3D InterOp](#) technology to provide data interoperability with CAD translation support for product structure, semantic PMI, geometry, and graphical data. Machine Research will also leverage Spatial's [3D ACIS Modeler](#) to help application developers more easily manipulate models they receive from designers. The combined companies' technologies give manufacturers the ability to more efficiently do cloud-based model translation, model healing, and preparation for CAM platforms use.

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Tecnomatix 10.1 Released

10 November 2014

Today's manufacturing leaders are constantly assessing their ability to become more flexible, more sustainable and competitive, but this requires the determination to continually assess production capability in the most efficient means possible. At Siemens PLM Software we understand these concerns, and that is why they provide continual updates to our market-leading Tecnomatix digital manufacturing solution suite.

With the Tecnomatix 10.1 release, they're taking on the complexity of planning global production strategies, improving the ability to assure worker productivity and safety, and driving higher-value solutions for optimizing production and improving quality.

Here are just a few of the latest release highlights:

PLM for Manufacturing

Standardization and re-use of assembly manufacturing processes and plant operations are key components of a successful global strategy. Each of your plants has unique characteristics that must be accounted for, yet every plant must share common best practices.

A new, Advanced Assembly Planning product on top of our Teamcenter-based process authoring tool, Manufacturing Process Planner, further improves collaboration for planning product build strategies – whether over multiple plants or within a single plant. Our enterprise bill-of-process (BOP) capability simplifies this complexity so that you have full traceability of products and processes across multiple plants.

In addition, with enhancements in our Process Simulate Human tool, now you can measure metabolic energy consumption and fatigue analysis of manual operations as part of your integrated PLM environment.

Efficient Planning

Efficient assembly planning leads to smarter decisions and fewer surprises during production. When you are able to efficiently balance workload between stations you increase throughput, reduce bottlenecks and ensure your automated systems and personnel are able to execute tasks within your production take time.

With the latest line balancing application, you can balance your production lines using simplified drag-and-drop capabilities, as well as validate manufacturing constraints and precedence.

Optimized Systems

Validating and optimizing manufacturing systems before implementation drives productivity, increasing efficiencies to levels unachievable by deploying and continuously improving. With the latest addition to our Plant Simulation solution, you have the power to create value stream maps of your production systems from a new library of components which are tied to the discrete-event analysis engine.

Now, iterative process analysis is executed virtually on your value stream. This delivers unprecedented results leading to a more complete manufacturing operation definition, the elimination of non-value added activity on the factory floor, and shorter ramp-up time-to-volume production.

Proven Validation

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Manufacturers are looking to further automate manufacturing because complicated products are driving the need for the flexibility of automated systems. With the latest enhancements in our Process Simulate solution, we provide functional improvements through a new Calibration application, Virtual Commissioning performance improvements and better integration with Siemens SIMIT software.

Additionally, ease-of-use is increased with an enhanced robot jog user interface and better control and visibility of continuous manufacturing features. Graphical display improvements for material definition usage and a silhouette lines option in wireframe view provide an enhanced visual environment with improved documentation capabilities.

Lifecycle Quality

The latest release of our Lifecycle Quality solutions increases the fidelity of dimensional analysis in design while streamlining your ability to manage global production quality. Now you can visualize feature variation through a finite element analysis (FEA) mesh to easily identify where your major contributors to dimensional variation exist.

In addition, updates to their Dimensional Planning and Validation solution enable system administrators to see the status of global production quality data capture in one, easily configurable web interface.

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ZW3D FastBlank Lite Released to Expand Sheet Metal Functionalities

10 November 2014

[ZW3D](#) today announced the global availability of ZW3D FastBlank Lite. FastBlank Lite is a module of ZW3D which delivers powerful new functionalities for developing complex 3D sheet metal part geometries into manufacturable 2D flat pattern developments with high accuracy and efficiency.

Partnering with Forming Technologies Incorporated ([FTI](#)), ZW3D developed ZW3D FastBlank Lite to help users in various sheet metal industries, such as Tool & Die, Consumer Product, Machinery, Automotive, Aerospace, etc., to quickly and accurately develop optimal blank shapes or unfold flanges from complex geometries and to calculate material utilization and blank costs.

This integration is a giant leap forward for ZW3D's sheet metal capabilities. ZW3D FastBlank Lite, based on FTI's industry-leading metal forming simulation technology, utilizes advanced FEA methods to determine accurate, fully-developed blank shapes for any type of sheet metal parts, from simple brackets to complex metal stampings. Plus, the seamless unification of FastBlank and ZW3D eliminates the risk of data loss through file translation, while keeping users working in the unified collaborative ZW3D environment.

Quick glance at key features:

- Blank Shape Development feature to generate extremely accurate 2D flat patterns for complex geometries within minutes
- Flange Unfold feature to facilitate the development of a strip layout for a progressive die
- Report feature to produce HTML reports with valuable engineering data for quoting and estimating
- Automatic Meshing to hide FEA complexity and support hole filling

CIMdata PLM Industry Summary

- Customizable material library including hundreds of international materials

“The addition of ZW3D FastBlank Lite will dramatically improve formability and product quality, and significantly reduce material costs and the number of stamping trials required in the tooling prove-out stage,” said Felix Gao, Director of ZW3D Overseas Business. “We expect it to be a strategic part of penetration into various industries, especially the Tool & Die industry.”

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