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CIMdata News

CIMdata Publishes Global NC Market Analysis Report

10 June 2015

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces the release of the 2015 CIMdata NC Market Analysis Report (MAR), the twenty-fourth annual study of the global Numerical Control (NC) market. CIMdata estimates that based on end-user payments, the worldwide NC software and related services market grew by 7.3% in calendar year 2014. The estimated end-user payments grew from \$1.64 billion in 2013 to \$1.76 billion in 2014. The market growth rate reflects solid overall NC spending, continuing the recovery from the downturn in the global economy. CIMdata projects that in 2015 growth in manufacturing will continue and end-user payments for NC software will increase by 6.7% to \$1.88 billion.

Since 2002, the NC software market has shown modest but steady growth as global economies generally improved. There has been worldwide growth in the sale of machine tools and manufacturing output; greater emphasis has been placed on the efficient operation of machine tools as manufacturing firms have strengthened their competitive positions; and the overall PLM (Product Lifecycle Management) market, of which CAM software is a component, has continued on a strong growth path during this period. CAM software purchases are related to all of these factors—particularly machine tool sales.

Mr. Stan Przybylinski, CIMdata’s Vice President of Research commented, “2014 was an interesting year in the NC market. There was solid growth and two leading NC companies were acquired by unexpected new parents: Vero Software by Hexagon AB and Cimatron by 3D Systems. Combining additive and subtractive manufacturing has shown great value in some applications, so the move by 3D Systems bears watching.” Mr. Jeanne Naysmith, the leader of CIMdata’s Manufacturing Practice continued, “While there is a relatively small portion of industrial production that is likely to use additive techniques, the extra creativity that additive manufacturing can offer is likely to increase the complexity of product designs, and this will in turn increase demand for subtractive CAM. Improved product performance coupled with the elimination of capitalized tooling is a strong incentive for manufacturers to explore additive manufacturing’s potential.”

The 2015 version of the NC MAR is a 127-page report containing 22 charts and 39 tables of data detailing the worldwide NC market along a number of dimensions. It also includes a discussion of trends

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in the CAM industry and updates on the top CAM solution providers. The 2015 CIMdata NC Market Analysis Report is available for purchase at: <http://www.cimdata.com/en/research/plm-market-analysis-report-series>.

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CIMdata to Offer New PLM Leadership Education and Training Programs in the Boston Area

11 June 2015

CIMdata, Inc., the leading global PLM strategic consulting and research firm has announced that it will offer two of its new PLM Leadership Educational Programs for the first time in the Boston area during the week of September 21st.

The first program, the PLM Executive Short Course, will be offered on September 21st. This program has been created with busy executives in mind and is a one-day program delivered through a combination of lectures, industry case studies, and group discussions. Successful completion of the program leads to the award of an Executive Certificate of PLM Leadership.

The second program, PLM Fundamentals for Solution Providers Short Course, will be offered on September 21st – 22nd. This program satisfies the main PLM educational requirements of PLM solution providers and their employees who are responsible for providing PLM-related services. The program has been structured to take place over two consecutive days and includes a combination of lectures, industry case studies, group discussions, and individual assessments. Successful completion leads to the award of a Fundamental Certificate of PLM Leadership

CIMdata's short courses leverage CIMdata's internationally recognized five-day PLM Certificate Program for Industrial Organizations and PLM Solution Providers which is built on CIMdata's over 30 years of extensive experience guiding industrial companies in successfully defining and implementing best-in-class PLM strategies and tactics. For more information on CIMdata's PLM Leadership events visit our website at <http://www.cimdata.com/en/education/plm-certificate-program>.

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Acquisitions

Acquisitions to contribute \$1.5 billion: Infosys

8 June 2015

Infosys on Sunday said it aims to realize revenues in the range of \$1.5 billion from its acquisitions and also reach the milestone of \$20 billion by 2020.

The company's mission is to prepare the company to reach the aspirational goal of \$20 billion in revenue by 2020 with a 30 percent operating margin, said CEO Vishal Sikka in the company's annual report.

Infosys, which acquired Skava and automation technology firm Panaya for \$120 million and \$200 million respectively recently, has expressed its willingness for bigger scale acquisitions and mergers.

Artificial intelligence and intellectual property business solutions and design thinking solutions are

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expected to contribute 10 percent of the business revenue for Infosys.

The IT company is also laying great emphasis for incubating and growing innovative startups.

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Atos acquires software solutions for IT monitoring

11 June 2015

Atos today announced the acquisition of key solutions of Blue Elephant Systems GmbH. Headquartered in Stuttgart, the company is specialized in solutions for control and management of IT infrastructures. As part of this acquisition, the Blue Elephant Systems technologies will be integrated into the Atos portfolio for Big Data and Security and some Blue Elephant Systems employees will transfer to Atos.

With this acquisition, Atos strengthens its portfolio in IT lifecycle management and is expanding its market position in the field of digitization, industry 4.0, the Internet of Things and Remote Services. The company will continue to develop the solutions designed by Blue Elephant Systems and its aim is to further grow its business with existing clients. Customers will benefit from a more comprehensive range of global services, as well as high performance, reliability and continuity in their operations.

Key systems which Atos will acquire are the MIDAS product line (Management Information, Documentation and Automation System) and the solution boom (open business operations manager). Both solutions enable clients to optimise the availability of IT resources and maximum operational reliability by providing key elements for monitoring and automation of IT infrastructures. MOSCITO, short for Management Orientation Systems and Controls for IT Operations, offers an information system for the management level in the company.

The integration of highly secure R & D development and operating environments is a continuous requirement of our customers. The technology of Blue Elephant Systems GmbH complement our powerful and widely proven solution spectrum“, says Pierre Barnabé, Chief Operating Officer Big Data & Security at Atos.

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Synopsys to Acquire SoC Realization Solutions Provider Atrenta

8 June 2015

Synopsys signed a definitive agreement to acquire Atrenta Inc., a privately held provider of SoC realization solutions for the semiconductor and consumer electronics industries. By integrating Atrenta's complementary static verification and implementation technology with Synopsys' Verification Continuum™ and Galaxy™ Design platforms, Synopsys can offer designers a more comprehensive, robust portfolio of silicon to software solutions for today's complex electronic systems.

"Atrenta's demonstrated leadership in static and formal technologies is recognized throughout the EDA industry, and its technology is used by design and verification teams around the world," said Manoj Gandhi, executive vice president and general manager of the Verification Group at Synopsys. "Synopsys expects to leverage this strong technology to further improve our Verification Continuum platform to address continually increasing verification challenges, and to support our ongoing R&D collaborations with customers in both verification and implementation."

"Atrenta's SpyGlass®, GenSys® and BugScope® solutions focus on driving efficiencies in SoC design

and verification," said Ajoy Bose, chairman, president and CEO of Atrenta. "The integration of our technology into Synopsys' design and verification platforms will accelerate innovation in the industry and offer our mutual customers the benefit of a much stronger combined offering."

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Company News

Approyo signs VAR agreement with SAP

8 June 2015

Approyo has signed an agreement with SAP AG that will allow its participating member firms to resell SAP products under a single framework.

The value-added reseller (VAR) deal allows Approyo to license SAP software directly to their clients and provide better [business solutions](#) involving SAP software and maintenance.

"Becoming a VAR allows Approyo to extend its long-standing strategic partnership with SAP" said Marcus Retrac, President of Approyo. "This will strengthen our relationship with our customers and partners allowing us to act as a single point of contact for SAP and continue to deliver SAP HANA products and support services."

Approyo has been providing [SAP HANA in the cloud](#) for the last three years. Approyo built an entire platform using the best solutions in the market, allowing clients to benefit immediately from SAP HANA without the massive upfront cost structure typically seen with those bare metal solutions.

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Autodesk Becomes 20th Company to Join RE100

11 June 2015

US-based multinational software corporation Autodesk has become the 20th leading business from around the world to take part in RE100. The design software developer, which is headquartered in California, USA and has 8,800 employees worldwide, announced its commitment to the campaign during the launch of its 2015 sustainability report last Friday.

Autodesk has set a target to source 100% of its power from renewable sources by 2020 or sooner as part of RE100, the campaign led by The Climate Group which aims to get the world's most influential companies signed up to 100% renewable power within a specified timeline.

"I expect to see more innovative US brands coming on board this year," says Amy Davidsen, Executive Director of the US office of The Climate Group. "It's fantastic to have an innovative US brand like Autodesk on board the RE100 campaign. With the cost of renewable energy falling, US companies are increasingly opting for clean, local energy supplied at competitive prices. The business case is clear – and 100% renewable power is within reach."

The company has already reduced its carbon footprint by 27% since 2009, in-line with its science-based target 'C-FACT'. In 2015, the use of renewable energy in its real estate portfolio accounted for 40% of its global electricity consumption – up from 33% the previous year.

"Of all the social and environmental challenges we face, none is more pressing than climate change," Carl Bass,, CEO of Autodesk said in the recently released Sustainability Report 2015. "I am

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excited to announce that we are committing to power our business with 100% renewable energy.”

Companies that have made a public commitment to go 100% renewable as part of the RE100 campaign include BT Group, Commerzbank, Elion Resources, Formula E, H&M, IKEA Group, Infosys, KPN, Mars, Marks & Spencer, Nestlé, Philips, Reed Elsevier Group, J. Safra Sarasin Bank, SAP, SGS, Swiss Re, Unilever, and YOOX Group.

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AVEVA announces expanded services for Owner Operators

9 June 2015

AVEVA announced today that it is opening a new Centre of Excellence for Operations Integrity Management Solutions for Owner Operators (OOs) in the oil & gas, process plant and power industries. The new facility, based in Stavanger, offers global OOs and Duty Holder EPCs software solutions to create and maintain their Digital Assets. The Digital Asset approach is helping these customers to manage complex facilities to save on cost while delivering a safer and more efficient operating asset. Additionally the new office enables greater customer engagement by being able to offer an expanded training curriculum and larger training facilities to meet increasing customer demand.

‘The facility in Stavanger enables AVEVA to develop and deliver solutions and services that deliver very rapid ROI to our OO customers’, said Derek Middlemas, Managing Director – Digital Asset Projects, AVEVA. ‘The Centre of Excellence for Operations Integrity Management Solutions provides solutions that are tightly integrated into the way our customers do business and a higher degree of configuration services to help our clients build, manage and maintain their Digital Assets. We are able to help our customers to effectively manage their business and access timely and accurate project and asset information. Our technology and industry expertise brings tremendous value to these customers through the efficient support of operational processes and execution of in-plant engineering projects.’

AVEVA’s technology and global sales network is extremely well positioned to help OOs meet their safety, production and uptime targets. With asset life cycles often greater than 25 years a well-established and maintained Digital Asset is as important to OPEX activities as it is to CAPEX. AVEVA provides the tools to monitor, track and control all aspects of their maintenance, repair and operate (MRO) activities and intelligently interface asset information into discipline specific applications.

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BILT Mobile App Wins Appy Award

26 May 2015

[SAP SE](#) today announced that the BILT app, an innovation by SAP, was recently honored with an Appy Award at a ceremony in New York City, taking home the top prize in the Home/Garden/Interior Design/Lifestyle category. BILT was chosen as the best app in 2015 that caters to, promotes or enriches an interest in lifestyles and/or homes, gardens and home design. The Appy Awards acknowledge extraordinary applications, whether they are mobile, social or Web-based apps living inside another website. The awards jury consists of impartial editors, industry visionaries and senior-level creative strategy leaders from prominent agencies and brands.

BILT is a free mobile app for consumers with interactive audio, visual and written step-by-step instructions for putting together, installing or repairing consumer products. BILT has 3D product images

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that consumers can manipulate using their fingers to rotate 360 degrees and zoom in and out. Consumers who use BILT for the assembly process have a significantly better first-time experience with the product. In a controlled study, participants reported a 40 percent increase in assembly confidence after using BILT; they put products together faster and felt that using the app reduced the potential for mistakes.

BILT is relatively new to the market and building content daily with new manufacturing customers. Some of the early adopters with product content in BILT include BRG Sports, Suncor Stainless and Liberty Garden Products. BILT helps a manufacturer's business by improving the overall end-consumer experience, decreasing product returns, generating call center savings and helping reduce the cost of documentation and marketing materials. By providing simple and intuitive instructions, BILT empowers consumers to be successful by alleviating the hassle and frustration typically associated with assembly and repair tasks. For more information, visit the [BILT App website](#).

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BobCAD-CAM Launches Manufacturers of The Future Website for CAD-CAM Educational Program that Supports School and Student Training for Industry Success

8 June 2015

The Manufacturers of The Future program by BobCAD-CAM was created as an educational resource for schools, educators and students, the new website provides a platform for the CNC manufacturing industry's academia crowd to interact, keep current on industry news, and gain access to affordable CAD-CAM resources.

BobCAD-CAM, Inc., developers of the easy to use and affordable line of CAD-CAM software, have debuted today the stand-alone website <http://www.ManufacturersOfTheFuture.com> to support the rapid expansion of their Manufacturers of the Future program.

The website was developed as a resource where both educators and students can turn for trending industry topics, webinars, training & educational videos, infographics, educator testimonials, and more. Most importantly, the site includes an engaging forum where visitors can post questions, discuss emerging technology, and trade career and academic advice. As an added benefit, visitors can sign up for free educational white papers as a way to stay on top of CAD/CAM technology in the manufacturing industry.

The program, which launched in 2012, has gained significant traction due to the simple fact that there was an opportunity and need for schools to better prepare their students for a career in Design & CNC Manufacturing Industries.

Director of Education for Manufacturers of the Future and former member of the US Armed Forces, Dane Pendleton, took over the program earlier this year. At that time, the program's focus was primarily the development of relationships with colleges, vocational schools, and students. Since then, Pendleton has expanded the programs reach to include members of the US Armed Forces returning from service and assisting them in a transition to a prosperous career in the manufacturing industry through CAD/CAM.

Pendleton views the website as a major step in creating broader program awareness, "The launching of this website couldn't have come at a better time. It makes it that much easier for us to get valuable industry resources in the hands of students and educators. I love the direction that the program is heading and can see that we are truly creating value for educators and opportunities for students to enhance their marketability in the eyes of employers."

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BobCAD-CAM has also developed a sister-program called, "[Work-Ready](#)" which is geared towards assisting students transform their academic foundation into career success. Typically, [CAD-CAM software](#) is priced well out of reach of your average student. However, with Work Ready, students can finally access powerful CAD-CAM software for the price of a textbook and take the tools, knowledge, and experience with them as they move into their careers.

For over 30 years, BobCAD-CAM has been dedicated to designing powerful, user-friendly and affordable CAD/CAM software. BobCAD-CAM products are used in machine shops and schools all over the world – helping to automate the machine process for mill, lathe, router, wire, router, laser, plasma, waterjet, and EDM. They provide easy to use and efficient solutions for g-code editing, machine simulations, art – raster to vector & embossing, nesting, and mill, lathe, & EDM programming.

Contact Dane Pendleton, Education Director for Manufacturers of the Future, at (877) 262-2231 ext. 141 for more information or to get your school and students involved in the program.

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Cadence Design Systems to Collaborate with TSMC on IoT IP Subsystem

8 June 2015

Cadence Design Systems, Inc. today announced that it is collaborating with TSMC on the development of an Internet of Things (IoT) intellectual property (IP) subsystem demonstration platform for TSMC's ultra-low power (ULP) process. Targeting wearable, home automation, always-on and industrial control applications, this IP subsystem, with the support of the Cadence® suite of digital and custom/analog tools, provides the opportunity to simplify IoT designs and accelerate the time to market for mutual customers.

Initially targeting the TSMC 55ULP process, the flexible Cadence IoT IP subsystem includes the Cadence Tensilica® Fusion digital signal processor (DSP), analog interfaces, peripheral and sensor interfaces. The flexibility of the subsystem will also allow users the option to select an applications processor if needed for their design. This Cadence IoT IP subsystem can also be implemented in 40ULP and 28ULP as additional performance is needed for more compute intensive applications in the future. Many of the 200+ Cadence Tensilica processor licensees are already designing and producing SoCs and end products in IoT applications; such products include WiFi/IoT connectivity chips, motion plus voice sensor fusion devices, and wearables including smart watches. Some of these next generation devices may be implemented in TSMC 55ULP over the next twelve months as the IP enablement gets more mature.

Cadence's Fusion DSP includes configurable options for security algorithm acceleration, wireless communications protocol processing, and ultra-low power voice trigger. The Fusion DSP includes configurable I/O interfaces that allow direct connection to sensor interfaces and I2C and I2S serial interface controllers. The Fusion DSP, including TSMC reference flow scripts and companion software development tools, is available now.

"With our extensive library of processor, analog, memory, and interface IP, Cadence is in a unique position to team with TSMC to create IP subsystems that give designers the ability to rapidly develop creative IoT and consumer application SoCs," said Martin Lund, senior vice president and general manager of the IP Group at Cadence.

"By collaborating with Cadence on the development of this IoT IP subsystem, we are enabling our

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mutual customers to quickly take advantage of the ultra-low power benefits of the 55 ULP process for their innovative designs," said Suk Lee, TSMC senior director, Design Infrastructure Marketing Division.

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Missler Software celebrates its 30th anniversary

9 June 2015

Since the creation of Missler Informatique in 1984, which then became Missler Software in 2000, the publisher of software for the mechanical, wood and sheet metal work industries has acquired a renown that stretches worldwide. In 1981, the Missler brothers set up a subsidiary of their mechanical engineering company to develop software to complement numerical control systems. This was a time of French CAD/CAM pioneers, such as CNI in Lyon, which became a part of Missler Software in 2001. The latter was highly successful at the end of the 1990s. At this point, the decision was taken to continue to develop by teaming up with other software publishers (Catalpa in Grenoble and Topcad in Toulouse) to form Missler Software and deliver innovative software solutions that tightly integrate design engineering and manufacturing. The 2000s saw a turning point in the group's history with the start of the internationalization of the TopSolid product range on the pioneer markets in Canada, Japan and Germany. Since then, the company has built a network of more than 80 resellers all over the world. It is now a leading French middle-market company, with 230 employees, subsidiaries in Chicago, Delémont, Shanghai and Modena, and turning over a record-breaking €28 million in 2014.

Missler Software will celebrate its 30th birthday in the heart of the Camargue in the south of France, just a few kilometers from the town of Arles, with 350 employees and loyal international resellers. From June 12 - 14, 2015, the festivities will include trips to explore the Camargue, team-building and sporting activities and parties in the evening with a strong local accent, all in a welcoming and relaxing venue stretching over more than 35 hectares.

The annual international seminar, with its sales and technical workshops, will be held just before the two-day celebration. It will also be an opportunity to reward the best international resellers and the top French salespeople, and to present the technical innovations developed in the course of the year.

Missler Software's 30th anniversary celebrations will also be a time to thank all those who have played a part in our story, with a vitality and an energy that have never wilted over the years, both in product development and sales all over the world.

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PTC and Stratasys Collaborate to Define and Deliver Design for Additive Manufacturing

8 June 2015

[PTC](#) and [Stratasys Ltd.](#) today announced the companies are working together to deliver a seamless experience between PTC Creo® design software and Stratasys 3D Printing Solutions. The joint vision is to make additive manufacturing more accessible to designers and manufacturers and to allow them to fully realize the advantages of the technology. These advantages include geometric freedom and part functionality, economic low volume and on-demand manufacturing, the production of customized products, and more.

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Today, designers and manufacturers typically need to use multiple tools along with 3D CAD software to design, optimize, and validate parts for 3D printing. This can be a cumbersome, inefficient, and sometimes a disconnected process that makes it difficult to accurately produce the final manufactured part. It may necessitate additional efforts and increase time and resources.

The goal of the integrated solution is to define and deliver design for additive manufacturing. This is the ability to seamlessly create, optimize, validate and produce parts through the additive manufacturing process.

PTC and Stratasys begin to deliver this vision by offering a seamless workflow from design to 3D print, now available in PTC Creo 3.0. This new integrated workflow streamlines the 3D printing experience by allowing users to perform informed design specification, file preparation, print optimization and print execution for Stratasys 3D Printing Solutions from within the PTC Creo environment.

The first 3D printer which can take full advantage of the new joint solution is the Stratasys Objet500 Connex3 Multi-color, Multi-material 3D Production System, which delivers 3D printed parts with multi-color and multi-material combinations, superior surface quality, color accuracy and functionality. Integration with additional Stratasys 3D Printing Solutions is planned for future releases.

“In sharing a common vision of the future of additive manufacturing, Stratasys and PTC have forged a close relationship that begins to benefit our common customers today,” said Mike Campbell, executive vice president, CAD, PTC. “I’m excited about the impact I believe our collaboration will have on new designs across all industries as additive manufacturing continues to grow in production usage, and as our integration and respective products’ capabilities continuously improve.”

PTC and Stratasys aim to drive further adoption of additive manufacturing across a wide range of industries, from automotive and consumer electronics to aerospace and defense, with substantial benefits for designers, engineers and manufacturers in the production of prototypes, manufacturing tools and finished products.

“Lowering the barriers involved in designing for 3D printing and unlocking the vast potential of additive manufacturing are primary goals of Stratasys’ strategic vision,” said Dan Yalon, executive vice president, business development, marketing & vertical solutions, Stratasys. “By cooperating together, PTC and Stratasys intend to bring significant value to our customers – making additive manufacturing more accessible while providing practical, easy-to-use tools for designing and manufacturing using 3D printing.”

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RuleDesigner® PLM is now integrated to Solid Edge ST8

10 June 2015

ENGINEERING PLM Solutions announced the availability of RuleDesigner PLM’s integration to the latest release of Siemens’ Solid Edge software, Solid Edge ST8.

The RuleDesigner® solid integration for Solid Edge, in all its version, allows users to update their design software system still taking advantage of innovative features for managing projects and any information associated.

This integration permits to benefit from automatic actions such as automatic filling of title-block and properties, saving and updating CAD files keeping all the relationships and automatic conversions at a

project release.

Also, RuleDesigner, thanks to the integrated process configurator, makes possible to create procedures for automating design as well as processes for archiving, synchronizing and sharing data and information.

Finally, the collaborative functions of RuleDesigner grant to share product information including renders realized on Keyshot, integrated into Solid Edge ST8. Product data and information can be shared both internally, across the different corporate functions, and outside with providers and customers.

About RuleDesigner

RuleDesigner® is a comprehensive and web-based PLM suite of applications designed to offer an integrated working environment. The suite allows users to create, manage, distribute and collaboratively use product information all the way from conception to after-sales service. Also, it allows users to map, manage and automate business processes with a strategic rule-based approach that grants a privilege to configuration over customization. In conclusion, RuleDesigner is a corporate console that enables interaction across a company's implemented systems, and supports collaboration and information sharing among all departments

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Synesis7 and Montana Tech Partner to Forward the Integrated Additive Manufacturing and Intelligent Digital Thread Integration Framework

9 June 2015

Synesis7 Corporation (“Synesis7”) and The Center for Advanced Mineral and Metallurgical Processing (CAMP) at Montana Tech of the University of Montana have partnered to jointly develop enhanced and scalable integrated Additive Manufacturing (AM) and Intelligent Digital Thread processes, technologies, and operational capabilities. Synesis7 and Montana Tech CAMP are bringing together their diverse but complementary capabilities to assist US Government and Commercial customers in realizing their integrated AM, intelligent Digital Thread, and related 3-D Modeling, 3-D Printing, and Model Based Enterprise (MBE) objectives.

Representatives from Synesis7 and Montana Tech CAMP discovered their common interest in advanced manufacturing systems and in particular Additive Manufacturing during the first Mile High Innovation Network event in Butte that led to continuing conversations and this partnership.

As Pam Haxby-Cote, Regional Director, Blackstone Launchpad Program and coordinator of the Butte area Innovation Network describes it; “The Mile High Innovation Network is a group of motivated local entrepreneurs coming together once a month to talk about their ventures, opportunities, problems, and successes. These valuable organic networking events are laying the foundation for a vibrant entrepreneurial ecosystem by creating new ventures, leads and partnerships right here in Butte!”

Synesis7 and Montana Tech CAMP recognized that their combined capabilities could be brought together to develop and deliver a flexible Additive Manufacturing and Digital Thread process, data, technology, and operational Integration Framework.

“This team brings a holistic and highly adaptive planning, development, and integration approach. It's about bringing together business and operations, process, data, information, knowledge management, technology, people, and organizational cultural change factors needed to advance intelligent

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manufacturing capabilities. Our initial focus is on integrated Additive Manufacturing process capabilities and the intelligent Digital Thread Integration Framework that ties it all together. The goal is to create an open, flexible, integrated, and scalable AM process, data, technology, and operational framework solution.” – Allen Ellmaker, CEO, Synesis7. This partnership will position the team to compete for contracts within the Department of Defense (DoD) and commercial industry.

The integrated intelligent manufacturing, AM, and MBE capability will eventually tie-in with a Customer’s Enterprise-wide business and operations support and management systems. Integration with Enterprise Resource Planning (ERP), Engineering, Product Lifecycle Management (PLM), manufacturing execution systems, logistics and maintenance support information systems, the intelligent Scalable Collaborative Automated Logistics Environment (SCALE)/i3™, and disparate data sources will be orchestrated by an integration, synchronization, and navigation engine – the planned common intelligent Digital Thread ‘Integration Framework’.

Synesis7, based in Butte, Montana, through its integrative services and solutions, assists customers to improve and transform enterprise-wide operations and core business processes, through the way data, information, knowledge, and technology is brought together and used. Synesis7 invests in forward-thinking data handling and management products and smart digital integration frameworks research and development.

This collaboration will bring the unique skills of the Synesis 7 team together with the diverse technological services of CAMP to enable the formation of a new, dynamic team. By providing a gateway to technological innovation, CAMP will assist Synesis7 with the newly developing area of Additive Manufacturing and with the material science that goes along with this growing industry. “Partnering with local industry is a keystone to innovation research. CAMP is fortunate to be working with a dynamic local company like Synesis7 to further our joint research goals.”—Ronda Coguell, CAMP Materials Scientist.

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TCS named to the 'Winner's Circle' in HfS Enterprise Analytics Services Blueprint Report

12 June 2015

Tata Consultancy Services has been named to the 'Winner's Circle' by analyst firm HfS Research in its "2015 Enterprise Analytics Services Blueprint Report."

The HfS Enterprise Analytics Services Blueprint report covered 24 service providers with strong enterprise analytics capabilities. Organizations that demonstrate excellence in both execution (providers that have strong relationship with clients, and are highly flexible when meeting clients' needs) and innovation (providers that have strong vision to invest in future capabilities to increase value for their clients) were positioned in the 'Winner's Circle.'

The report highlights TCS' strengths based on its focus towards industry specific solutions, flexibility, strong delivery capabilities and progressive vision for enterprise analytics which is an indication of its excellence in innovation and execution. TCS' leadership position is a result of its ability to deliver valuable insights supported by technology analytics integration, industry specific analytics models, proprietary analytics platform, highly-skilled data scientists, exclusive analytics R&D labs and analytics CoEs. The report also cites TCS' strengths in growing IP led services, strong analytics background in the financial services vertical, flexibility in pricing and service delivery.

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"TCS' industry specific analytics solutions position them in our Enterprise Analytics Services Blueprint 'Winner's Circle,' said Reetika Joshi, Research Director, Consumer Driven Operations and Analytics Strategies, HfS Research. "TCS' vision for enterprise analytics, investment in research and innovation and flexibility to cater to client requirements, enable them well for next level of growth."

"TCS' strategic approach focused on advanced analytics expertise together with technology and domain knowledge has resulted in improved operational efficiency, reduced credit losses, optimized risk exposures and greater marketing ROI for our clients," said Dinanath Kholkar, Vice President and Global Head of Business Process Services at TCS. "We believe that TCS' position in the 'Winner's Circle' demonstrates how our industry specific solutions, Analytics Centers of Excellence, IP led services, R&D investments, end-to-end analytics capabilities and flexibility in engagements are enabling us to deliver true business value to clients."

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Tormach Teams Up with Autodesk

12 June 2015

[Tormach](#) has announced a new partnership with Autodesk. The partnership was announced during the 2015 Bay Area Maker Faire in San Mateo, CA.

This partnership will help Tormach customers create real products even faster because each qualified purchase of a Tormach machine tool is eligible for a free one-year commercial subscription to Autodesk's Fusion 360.

Fusion 360 brings CAD, CAM and CAE together in the cloud. It's an integrated, connected, and accessible platform built for the new ways products are being designed and made.

"Tormach is dedicated to enabling our customer's ideas by providing unprecedented value in CNC equipment. This partnership with Autodesk brings even more value to our customers because Fusion 360's design environment, workflow, and ease-of-use make it an exceptional tool for programming a Tormach CNC mill whether you are a beginning or experienced machinist," said Andy Grevstad, Product Marketing Manager at Tormach.

Future partnership initiatives include collaborative training, tutorials, and workshops.

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WaterCube and Tecplot Form Strategic Partnership; Resulting Water Resource Management Solution Helps Scientists Acquire, Process and Understand Complex River-System Data

11 June 2015

WaterCube, LLC., and Tecplot, Inc., today announced that they have formed a strategic partnership whereby Tecplots data visualization software will power WaterCubes brand new-to-the-market water resource management solution.

The new product, called CUBEIT, powered by Tecplot, will officially launch at HydroVision International, which takes place July 14 17 at the Oregon Convention Center in Portland. HydroVision International (<http://www.HydroEvent.com>) is the worlds largest hydropower conference and exhibition.

The Watercube/Tecplot partnership creates a unique data visualization solution that takes the power of

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big data and makes it usable on a mass scale. CUBEIT, powered by Tecplot, will be offered exclusively by WaterCube. It will be available in a tiered format that grows in functionality as customers needs for complex data analyses grow.

CUBEIT, powered by Tecplot, will be used by scientists and researchers to visualize, validate and manage river, reservoir and stream data. It provides valuable insights for dam removal and placement, hydropower applications for assessing stream power, and environmental studies enabling river restoration and ecological improvements.

WaterCube and Tecplot have a unique opportunity to visualize and manage real 3D spatial river data like never before, WaterCube CEO Diana Krupa said. We have developed innovative new methods based on the latest technology to capture and process vast amounts of river data, including water velocity, depth, quality and temperature variations throughout entire river systems. This allows scientists and researchers, for the first time, to analyze and manage what is really happening within their river. WaterCube is revolutionizing the way data is collected and processed, but visualizing it to tell the entire story was even more important. That's where the partnership with Tecplot comes into play.

We knew instantly that WaterCubes technology was unique and had the potential to open new doors to visualize rivers and reservoirs in the environmental and water resource arena, Tecplot CEO Don Roberts said. This is an area in which Tecplot has not had significant market penetration because there has not been such complete access to this type of data until now. We believe this partnership will not only change the way we look at our fresh-water resources, but it will enable scientists to make better decisions to manage and compare changes year-over-year in our major river systems.

Unique capabilities of CUBEIT, powered by Tecplot include:

1. First-of-its-kind visualization and data management solution that can quickly compare big data files and Digital Elevation Models (DEMs) with spatially collected river data, including LiDAR.
2. The ability to measure specific volumes of water and discharge at varying flows anywhere along the river reach, providing ideal locations for instrumentation placement and stream power.
3. The ability to calibrate computer-created predictive models for higher accuracy in flood and drought conditions.
4. The ability to perform advanced hydraulic analyses that determine sediment transfer, temperature changes, quality, and the impact to the environment.

Teledyne R&D Instruments is another WaterCube partner. It provides the equipment that measures river discharge and other key data points. WaterCubes unique data processing approach allows scientists and researchers to quantitatively understand what's happening within the river reach, said Jim Rogers, director of products at Teledyne R&D Instruments.

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Why Legendary Motorcycle Racer John McGuinness is so Fast

12 June 2015

At the Isle of Man TT races, EMC is announcing the results of a new data analytics competition, designed to unlock the secret of what makes John McGuinness so fast. John, also known as the 'Morecambe Missile,' is a legend in the motorcycle racing world with a distinguished 25-year history in motorcycle racing, and is a 21-time winner at the famous Isle of Man TT races.

At the Circuit Monteblanco in Spain, EMC captured over 700,000 rows of performance, biometric and

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mechanical data from sensors fitted on the racing suits and bikes of both John and a control subject, Adam "Chad" Child, Senior Road Tester with Motor Cycle News. Some of the variables measured moment-by-moment during the race to help uncover exactly how the rider interfaced with machine include

- engine RPM
- lean angle
- g-force
- pulse
- respiration

The data sets from John and Chad were released to the data science community in the form of an [open competition hosted on CrowdANALYTIX](#) to uncover the most compelling insights and answers to the simple question: *What makes John so fast?* The competition provided a broad range of insights into John McGuinness' racing style.

The winner of the data analytics competition, Stefan Jol of a leading UK radio group split up each element of the track for analysis. This allowed them to be assessed and, like any business process, the data identified which stages had the most impact on overall performance. As a result, a bike can be set up for the most important elements of the track, and the information can guide the rider on where best to focus.

The winner of the visualization piece, Charlotte Wickham, assistant Professor of Statistics at Oregon State University, made the relative performance of each rider more apparent to the non-data scientist. By displaying them on the track, the difference in cornering was made very clear. While one entered the corner faster, this didn't equate to a fast exit. John McGuinness braked harder, taking a better line, which in turn allowed him to accelerate quicker and exit at a faster speed.

Of the 750 participants, only 28 could complete the task, and two took the grand prize.

Mike Foley, Director, Data Science at EMC said, "Stefan was the only entrant who looked at how performance in one area of the track impacted performance in the other, which was ultimately why we awarded him the first place. We wanted the community to think differently when approaching this challenge to draw out new insights into why John is so fast, and Stefan did just that. Similarly, from a visualization perspective, Charlotte presented the data in an engaging way which made the differences in the riders clear to those outside of the data field."

The preliminary findings were so intriguing that EMC will repeat the experiment with a more elaborate array of sensors at the Isle of Man TT, where they will capture significantly more data which will be analyzed to more definitively answer the question: *What makes John McGuinness so fast?* The project has also been documented in a film, to be released in the autumn of 2015. A trailer for the film premiered at the TT races and is online [here](#).

"I've been racing since I was 18 and I don't really know why I'm so good at what I do. I thought it was interesting to see just how both the speed and positioning in the corners made the difference, from the test in Spain. I'm really looking forward to what can come out of the data from the TT and hope that some of information can be used to help make me an even better rider and the sport safer in the future," McGuinness said.

"We were really excited to see how big data can provide revealing new insights about someone like John

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McGuinness, and have been thrilled with the interest shown in this project from the data science and motorcycling communities around the world. A project like this has never been undertaken before, and is already proving some interesting and significant observations. We are gaining a better understanding of what makes extreme athletes like John perform at such a superior level, but also through big data analytics we are gaining deep insights into how we can make the sport of motorcycle racing safer. We're looking forward sharing this story with the world in the second half of 2015 through our documentary *The Math Behind The Morecambe Missile* which chronicles our journey with John and team," said Jonathan Martin, EMC's CMO.

About John McGuinness

John is one of the most versatile motorcycle racers around with a huge ability to ride all types and classes of machinery. He's had multiple successes and set lap records at the Isle of Man, the North West 200, the Ulster GP and Scarborough on all categories of machinery from singles, in-line fours and V twins to GP 500 2 strokes. He has raced all over the world — from Daytona in the USA, to Macau in the Far East.

However, it's at the Isle of Man TT that John has really made his mark within the world of motorcycle racing and he has already entered the history books as one of the all-time greats. In 2007, he became the first man to break through the 130 mph per lap barrier round the 37.73 mile island course and he was the fastest man for several years — (pushing the average up to 131.578 mph in 2009, then again to 131.671 mph in 2013).

About the Isle of Man TT race

There is nothing on Earth quite like the Isle of Man TT Races. No other motorcycle race is held on such a challenging track as the 37-mile plus Mountain Course with its seemingly never-ending series of bends, bumps, jumps, stone walls, manhole covers and telegraph poles.

The skill, bravery and concentration levels required are immense, with speeds approaching 200mph, and, while difficult to learn and even harder to come first, the rewards for winning on the world famous course are like no other.

Boasting a more than 100 year history, the TT racing captures the imagination in a way no other race can and its sheer spectacle and uniqueness ensures thousands of fans flock to the Island every May and June for their annual fix.

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Wipro receives Best Outsourcing Thought Leadership Award

8 June 2015

Wipro Ltd announced that it has been named a 2015 Best Outsourcing Thought Leadership Awards (BOTL) winner by The Outsourcing Institute, the largest, neutral professional association dedicated solely to outsourcing.

The BOTL Awards Wall Street Tech Innovation showcases the most innovative work from providers across the outsourcing industry.

A judging panel of eight senior sourcing executives from Fortune 1000 enterprises selected Wipro for its thought leadership piece that showcases a real world use case that encompasses innovation, creativity and results. Wipro is being recognized for its innovative work titled Semantics and Ontology - The

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Future of Data Aggregation.

The Award was presented at the Wall Street Tech Innovation Conference which was held on Tuesday, June 2, 2015 in New York City.

Financial institutions are giving increased attention towards improving the quality of data and turning it into a strategic advantage, owing to competitive, regulatory and business pressures, said Roop Singh, Senior Vice President and Global Head Securities Capital Markets at Wipro Ltd. Wipros strong expertise in IT Operations combined with its deep industry knowledge enables financial institutions to gain deep insights on its data and data sources. In addition, our predictive analytics tools enable our clients to turn the static data into actionable insights on a real time basis.

“Wipro is being recognized for delivering measurable value to its clients and helping them thrive in the incredibly challenging Wall Street and BFSI environment with innovative and cost saving solutions”, said Frank Casale, founder of The Outsourcing Institute and producer of the Wall Street Tech Conference. “We congratulate Wipro and its high-performing service provider team for its visionary thought leadership and client success.”

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Event News

Arena Solutions and SunPower to Speak At CIMdata's High Tech PLM Conference

12 June 2015

Arena Solutions announced that Steve Chalgren, Arena's executive vice president of product management and chief strategy officer, will speak at the [CIMdata PLM Road Map conference](#) for the High Tech Electronics Community, taking place June 16, 2015 at the Biltmore Hotel & Suites in Santa Clara, California.

In addition to a presentation from Arena highlighting best practices for using Cloud-based PLM to enable the delivery of quality high tech and electronics products on time and on budget, attendees will hear from one of the keynote speakers, Pascal Rassinoux, senior operations program manager at [SunPower Corporation](#). This multibillion dollar manufacturer of advanced solar cells will share how it implemented a global PLM program that enabled cross functional collaboration on a major alternative energy power generation project. During his presentation, Mr. Rassinoux will describe the steps to adopting a lean methodology with a pragmatic, cloud-based approach to deploying PLM capabilities, and how that approach successfully reinvigorated the company's PLM program. For more information, please visit: <http://www.cimdata.com/en/speaker-abstracts/rassinoux>

PLM Road Map is a strategic conference that focuses on how organizations successfully define and employ PLM strategies and enabling solutions to meet challenging product development, manufacturing and deployment issues. The theme for CIMdata's PLM Road Map 2015 for the High Tech Electronics Community is "Innovating in a Nanosecond World: How PLM Makes Innovation and Collaboration for the High Tech Electronics Industry Repeatable, Sustainable and Scalable."

As part of the PLM Road Map 2015 for the High Tech Electronics Community experience Arena Solutions is also featured in an online version of the PLM Collaboration Cafe™. To visit Arena at PLM Collaboration Cafe please see: <http://www.cimdata.com/en/education/plm-conferences/2015-plmrm-hte/2015-plmrm-hte-sponsors/2015-arena-sponsor>

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CGS to Launch Its BlueCherry(R) PLM Solution at Product Innovation (PI) Apparel 2015

8 June 2015

CGS announces that it will launch its best-in-class BlueCherry® PLM solution at the upcoming Product Innovation (PI) Apparel 2015 event taking place in New York, NY from June 23 - 24.

Designed based on the in-depth evaluation of the Retail and Consumer Goods market needs, and taking into account feedback from early product adopters and leading industry analysts, BlueCherry PLM provides customers with the most integrated and comprehensive view of product workflows from concept to consumer.

In addition to providing core product data management (PDM), bill of materials (BOM), technical specifications and other commonly available PLM tools, BlueCherry PLM draws from its enterprise solution heritage to deliver a comprehensive set of integrated line planning, design, product development and sourcing capabilities. The solution improves time-to-market, offers greater visibility and control over collections, and enhances global supply chain operations. It is currently used by over 50 world-class brands and retailers.

CGS has chosen to showcase its new BlueCherry PLM solution at PI Apparel, a globally recognized event that brings together executives, thought leaders and subject-matter experts within the fashion, apparel and consumer products industry.

"In recent years, PLM has risen to the level of a mission-critical application due to the significant benefits it brings to an organization and this release of BlueCherry PLM extends CGS's value proposition to the marketplace," said Paul Magel, President of the Business Applications and Technology Outsourcing Group at CGS. "Our strong foundation and legacy in providing enterprise-level industry software enables us to deliver a superior PLM solution that not only integrates with our own leading Enterprise Suite, but with other ERP solutions as well."

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CD-adapco's STAR-Cast Team Appearing at GIFA 2015

9 June 2015

CD-adapco, the largest privately held CFD-focused provider of Computer Aided Engineering software, announced today that it will share a booth with German-based independent research center Access e.V. at the upcoming GIFA 2015 where it will feature STAR-Cast, the casting simulation add-on module for STAR-CCM+ it developed with Access.

Up to 50,000 visitors are expected to attend [GIFA 2015](#), the "most important trade fair for foundry technology in the world" on June 16-20 in Dusseldorf, Germany. STAR-Cast, which leverages CD-adapco's expertise in flow simulation and Access' know-how and skills in casting, will be on full display for event attendees.

"This scope of this event offers an excellent showcase for STAR-Cast and the innovative work we are collaborating on with Access," said Jean-Claude Ercolanelli, Sr. Vice President Product Management. "During GIFA 2015, we will have live demonstrations of Die, Investment and Sand Casting. Attendees will also be among the first to see the new High Pressure Die Cast capability of STAR-Cast."

STAR-Cast features a dedicated Casting User Interface, material database, physics models and specific

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analysis criteria for casting defects and micro-structure that are unique in the casting engineering world. Users benefit from a single integrated environment and a highly automated tool to analyze their casting processes with the objective to improve quality and yield of their process by giving an unrivaled insight into the mold filling and solidification, thus eliminating casting defects such as pores, cold shuts and misruns.

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Comet Solutions to Host Workshop at NAFEMS World Congress 2015

9 June 2015

Comet Solutions, Inc. announces that Chief Technology Officer, Malcolm Panthaki, will be a featured presenter at the “Democratising CAE” Simulation Process & Data Management (SPDM) Workshop at the upcoming NAFEMS World Congress (June 21-24, San Diego, CA). Mr. Panthaki’s presentation is titled: *Making the Full Power of Simulation Available to Everyone – At the Confluence of Solution-Specific Web Apps, “Lights-Out” Automation, Design Optimization, and “Infinite, Elastic Computing” on the Cloud.*

Solution-specific Simulation Applications (SimApps) are targeted, easy-to-use applications that drive complex simulation templates, and speak the language of the user/engineer. SimApps allow product designers and engineers, without expertise in the use of simulation tools, to safely and quickly evaluate their designs using complex simulations.

NAFEMS workshop attendees will learn how Comet’s manufacturing customers such as Intel, American Axle Manufacturing (AAM), and Magna Cosma, are employing SimApps to extend the use of simulation beyond a small number of CAE experts. These manufacturers and others featured in the workshop, such as GKN, are leveraging simulation applications to globally enforce expert best practices while measurably increasing the impact of CAE investments on their business.

The confluence of simulation methodologies, software, automation templates, and accessible computing hardware, aided by the advent of mobile devices with ubiquitous high-bandwidth access to the Internet, has the potential to magnify the number of users of simulation by an order of magnitude, over the next decade.

“Simulation has been the exclusive domain of too few for too long,” explained Panthaki. “It’s time to put to rest the notion that simulation cannot be safely used unless you have deep expertise in the art of extracting reasonable results from today’s simulation software. Comet SimApps deliver the full power of simulation to everyone who needs it, from a salesman who needs to understand the feasibility and cost of a design that meets customer requirements, to a systems engineer who wishes to accurately compare the relative tradeoffs of various architectures, to design engineers who need accurate and rapid assessments of the change in performance of a design variation, to a junior engineer who is still learning the intricacies of CAE codes.”

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Delcam user Cavalier Tool wins MoldMaking Technology Leadtime Leader Award

12 June 2015

Delcam is pleased to congratulate its customer ***Cavalier Tool & Manufacturing*** on being awarded

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MoldMaking Technology's annual Leadtime Leader Award for 2015. The Award, which recognises the outstanding efforts and growth of North America's top mould manufacturers, will be presented at an awards ceremony on Wednesday, 17th June, during the 2015 Amerimold expo in Rosemont, Illinois.

Each year, MoldMaking Technology searches for companies that have successfully set a higher standard for overall innovation, efficiency, quality and commitment in mould manufacturing. "Cavalier Tool was chosen for the 2015 Award in recognition of the way the company has transformed its business by implementing a standardised, flexible process, advanced technology and a people-centric philosophy. Cavalier Tool attributes that have contributed to this win include: an appetite for technology, precise customer profiling, a solid social media campaign, a new EDM cell, unattended operations, a focus on more value-added activities, co-development of new electrode software, automated machine monitoring, offsite educational training and much more," said Christina Fuges, Editorial Director of MoldMaking Technology.

Cavalier Tool was one of the first users of the Delcam Electrode software for the design, manufacture and inspection of electrodes, with the company's feedback providing important guidance in the development of the system. Subsequently, the company, which creates 200 or more moulds each year, has gone from outsourcing about \$600,000 a year on EDM to pulling all that work back in-house with a single OPS Ingersoll machine and Delcam's software.

Brian Bendig, the President of Cavalier Tools, praised Delcam, saying "Delcam did a really good job of working with OPS Ingersoll in Germany to construct a solution that simplified the EDM process for Cavalier Tools."

Mark Langlois, the EDM Leader for Cavalier Tools, described the transition to be "like night and day". "Before the Delcam software was added, the EDM process was long and drawn out," he remembered. "Now, we just take data from Delcam Electrode directly to the Ingersoll equipment so there's no typing. Everything is perfect."

"We had Delcam customise a few items inside the program menu so that it would meet Cavalier Tool's needs," added Mr. Langlois. Delcam was also able to work together with OPS Ingersoll to create a custom script to streamline the programming of the machine's operations.

"EDM was a long process, now it's just a couple of clicks; I can get my electrode, with literally almost no work. Click, click, click: done," claimed Mr. Langlois. Once the electrode design has been finalised, it can be put straight into Delcam's PowerMILL CAM system for machining.

Mr. Bendig highlighted that the increased productivity from having Delcam Electrode and the OPS Ingersoll machine has paid for all the costs incurred from buying them. "At Cavalier Tools, we're always trying to get things done more efficiently: with Ingersoll and Delcam products, we can outdo everybody else."

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LECTRA: How to make change a success with Lectra Fashion PLM

12 June 2015

Lectra recently hosted a Lectra Fashion PLM event in Bordeaux-Cestas (France). This event focused on how PLM can be a catalyst for change by helping companies transform their business model in the ever-changing fashion industry. It provided deep insight into fashion market evolutions and demonstrated how Lectra's solutions allow companies to stay ahead of a constantly changing market.

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The two-day event brought together major top fashion brands from around the world at Lectra's International Advanced Technology & Conference Center. They explored opportunities in successfully implementing organization and processes transformation to improve overall performance with Lectra's expertise, change management methodology and leading edge technology.

Edouard Macquin, Executive Vice President, Sales, Lectra, kicked off the event. "Managing change and transformation in the fashion industry is all about anticipating market needs. Our mission at Lectra is to make fashion companies ready for the future," he said.

Insight on the latest market trends in the fashion industry was also given by the online fashion trend forecasting agency WGSN (UK). Kim Mannino, Director of Trend Services at WGSN, highlighted three global brand and retail trends: mass personalisation, fast laning and elevated engagement. "In the ever-changing fashion environment, time is the new luxury. It is important to understand consumers and anticipate how they will consume tomorrow," she added.

"The world has changed, so has business" is another theme that has been discussed during the event by industry experts, such as Chinese fast fashion company PEACEBIRD. Emphasis was placed on how fashion companies need to re-evaluate the way they bring product to market and manage change.

"Change in the fashion industry is exponential: organizations have to speed up operations and rethink the way teams work together so that products reach consumers and stores faster. PLM can help companies face these challenges," observed Gian Mario Borney, Senior Strategy Advisor, Global Fashion Unit, The European House-Ambrosetti (Italy).

"We have been working with Lectra solutions for years. Adopting Lectra Fashion PLM was just the next logical step to enable us to work better and faster. We really believe Lectra Fashion PLM can help us manage tight schedules and ensure cost saving and smooth collaboration to face the challenges of our international expansion strategy," declared Carlos Lopera, CIO/CPO at Offcorss, a top childrenswear brand in Colombia, part of parent company Hermeco.

During the event, attendees also had the opportunity to exchange with fellow industry professionals and Lectra experts about best practices. During PLM demonstration sessions and a workshop, they learned how to optimize the collection development process and how to better manage and sustain change.

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Virtalis To Demonstrate Real-Time Collaborative VR at PTC® LIVE Global

8 June 2015

Virtalis Booth 528 at this year's PTC® Live Global, which will be held June 7-10 at the Gaylord Opryland Resort in Nashville TN, will be putting the power of real-time, collaborative VR center-stage.

Harnessing the power of Virtalis' Visionary Render software, a series of exciting demos drawing on real PTC Windchill and Creo data will be rendered in real-time 3D. PTC Live Global is the premier networking and training event for product development professionals using PTC solutions.

Virtalis was proud to be awarded 'Best in Show' at PTC Live Global 2013 in Anaheim, CA and then again at last year's show in Boston. Virtalis is a Gold Sponsor of this year's show.

Visionary Render, which was launched at the end of 2013, renders huge and complex Virtual Reality (VR) models in real-time, high stereoscopic 3D refresh rates and negligible latency. PTC customers like Raytheon, Lockheed Martin, CNH, TORO and BAE Systems have added VR technology to their portfolio of engineering, manufacturing and analysis solutions and have been using it to enhance their competitive edge. Virtalis' ActiveDesk system will also be on display at the booth, bringing

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stereoscopic, interactive 3D visualisation to the desktop courtesy of a link to zSpace from Virtualis' Visionary Render software.

David Cockburn-Price, Virtualis' Managing Director, explained: "Virtualis is a world leading VR and Advanced Visualization solution provider, and a PTC® PartnerAdvantage™ Gold Partner. Visionary Render software is being offered to PTC users worldwide as part of our worldwide referral agreement with PTC. We'll be demonstrating Visionary Render using live, immersive demonstrations on our fully tracked, transportable Virtualis systems."

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Visual 2000 Announces Sponsorship of Product Innovation Congress in New York City

8 June 2015

Visual 2000 has announced that it will be [sponsoring the Product Innovation Congress in New York City](#). Taking place on June 23 - 24th, 2015, the event is a two day gathering of industry professionals to discuss how modern technology can drive innovation within the market.

"As a supplier of software for apparel businesses, it's important to stay involved within the community", said Marketing Director, Mandy Benoualid. "PI Congress is a unique opportunity to gather in one place with other fashion focused companies who have a common interest in innovation.

Beyond the vendor showcase area, attendees will be treated to talks about innovation, production lifecycle strategy, supply chain technology and planning for success in the omni-channel market. With [PLM software](#) taking up a large portion of the agenda, Visual 2000 will be contributing to the conversation and providing live demonstrations of their PLM and End2End(TM) solutions. Delegates can schedule one-on-one demonstrations throughout the event as well.

"When people see the software, they are always amazed at how tailored it is to the apparel and fashion accessory business," Benoualid shared. "This event will be a great opportunity to connect with new people and show them how powerful the Visual software is."

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Implementation Investments

CSA Group continues growth in Europe with new EMC testing chamber in Strasskirchen, Germany

12 June 2015

CSA Group, a global provider of testing and certification services and a leading standards development organization, continues its growth in Europe by opening a new EMC testing chamber in Strasskirchen, Bayern, Germany. CSA Group Bayern operates one of Europe's largest state-of-the-art EMC testing centers. The new 560-square meter lab building allows for testing of large objects including passenger cars of all sizes. It will enable CSA Group to address the growing market demand resulting from increased connectivity of products and solutions. The new chamber extends current EMC testing capabilities to 7,260 square meters in 17 shielded rooms and 7 anechoic chambers, and is a testament to CSA Group's continued growth and success in Europe.

"We're opening this new chamber to meet the growing market needs for testing services specifically from the European automotive industry," said Ralf Schunk, Vice President, Europe, CSA Group.

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"Transportation is a key business sector for us and we have a strong footprint in that market in Europe. By expanding EMC testing services in our Strasskirchen facility and through our market-leading testing laboratory in Leyland, UK, which is focussed on security tests in the transportation industry, we provide a very strong value proposition for companies in that sector."

CSA Group Bayern has been growing over 10 percent year-by-year in the last three years and been operating its existing EMC chambers in two shifts to meet market demand. In the last three years CSA Group Bayern had already opened two new anechoic chambers as well as the environmental lab.

"We are very pleased to make additional resources available to our customers with the new facility," says Dieter Froehlich, Managing Director of CSA Group Bayern. "We want to provide the best support in our industry and have invested significantly in the last three years to create and enhance our facilities in Strasskirchen. The new laboratory will help us to continue to provide timely and cost-effective localized services to our customers."

In addition to the EMC testing in Strasskirchen, CSA Group also provides environmental testing and certification services for automotive, industrial components, e-vehicles, power tools, IT, household appliances, medical devices and components, terminal blocks and other product categories which help companies to maintain local and global market access. CSA Group will continue to invest in these areas as well as services such as testing and certification in hazardous locations.

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Faist adopts RuleDesigner® collaborative PLM across distributed global design and production environments

9 June 2015

Faist, a multinational group operating through its 24 plants in Europe, North America and China, has chosen and implemented RuleDesigner enterprise PLM software suite to support inter-company collaboration and improve performances in PLM processes.

The project in question was characterized by high complex PLM workflows due to the fact that processes must be compliant to AIAG procedures for the automotive industry, but also due to the peculiarities of the company business reality.

By using RuleDesigner it was possible to establish comprehensive PLM processes able to integrate 5 business units and 7 local plants, for a total amount of 222 users.

Processes are structured in different stages spanning from the customer request to production and are supported by more than 100 automation procedures. These procedures are realized directly by the company IT team, autonomously, using rule-based modelling tools provided by RuleDesigner.

Moreover, the integrated process configurator allowed to set up configuration processes aimed at estimating manufacturing costs and supporting the user in the definition of the product's quotation, reducing time spent for complex quotations by 75%.

The possibilities offered by RuleDesigner allowed to meet Faist's need to decrease the index of defectiveness and all related costs, broadening the scope of the automotive procedures on other sectors.

As a matter of fact, KPI analysis carried out by the company after the introduction of RuleDesigner showed excellent results. Besides a global reduction of lead time by 9%, the analysis outlined a great improvement of performances related to errors in recognizing the right revision of product specifications

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(-68%); time for final data report (- 35% / 15%); search for information (- 14%) and time for identifying resources responsible for specific activities or products (- 27%).

“RuleDesigner helps those people who have always worked in a simple and fast way to continue working without feeling the burden of a structured management [...] Today, 90% of RuleDesigner users make benefit of a ready project template without having to intervene manually to modify flows, phases or tasks. The company manuals, reporting in details processes and procedures, is now available to anyone who wishes to consult it and this opportunity allows to better engage and empower all employees at Faist”, explains Tina Cortes, PLM Project Manager at Faist Componenti spa.

In conclusion, the benefits gained concern the establishment of standard procedure in a company which is historically heterogeneous; the possibility to share information across the company and filter them at all levels; reduce time spent in notifications that can be automated and the structured empowerment of each employee at all levels.

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Hasbro Inc. Selects PTC Windchill FlexPLM

9 June 2015

PTC today announced that Hasbro Inc., a global company committed to *Creating the World's Best Play Experiences*, has chosen PTC Windchill FlexPLM as its product development solution. With PTC Windchill FlexPLM, Hasbro will be able to better streamline and centralize its product development processes and data, as well as gain greater visibility into product data during all phases of design, development and sourcing.

Because Hasbro is a global company with numerous product lines, it needed a product development system that would allow it to more effectively centralize its processes throughout the product lifecycle. By leveraging the PTC Windchill FlexPLM proven architecture for hardline and soft goods management, Hasbro will have a single platform, with engineering data managed in PTC Windchill.

“Our consumers are at the heart of everything that we do, and we’ve been successful in delivering compelling and engaging experiences by listening to our consumers,” said John Frascotti, President, Hasbro Brands. “In order to both minimize product’s time to market and increase our team’s productivity and focus on innovation, we needed an efficient way to manage the planning, design, and delivery of all of our consumer products. We found the ideal solution with PTC’s Windchill FlexPLM platform.”

“We are pleased that Hasbro chose PTC, and particularly that they selected us now with our latest version of PTC Windchill FlexPLM. PTC Windchill FlexPLM unites PDMLink and FlexPLM technology, aligning our retail and engineering technologies to specifically meet the needs of Consumer Products companies,” said Kevin Wrenn, divisional general manager, PLM segment, PTC. “With PTC Windchill FlexPLM, Hasbro will be able to keep product development processes, engineering changes, and visualization all in sync, creating value for Hasbro - integrating processes and workflows, changes and approvals, and cross-functional visibility between engineering and retail stakeholders at the enterprise.”

PTC Windchill FlexPLM harmonizes engineering data and processes with retail-related data and processes, bringing together typically disparate disciplines across the enterprise to improve understanding and collaboration: streamlining processes to boost productivity, and reducing costs to

improve margins – all while driving new opportunities for innovation.

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YuniquePLM Drives Creativity and Collaboration for French Apparel Maker's Locations

8 June 2015

French apparel brand Jacqueline Riu has selected Gerber Technology's YuniquePLM™ to manage its expansion into additional markets. Jacqueline Riu offers a range of upmarket apparel and accessories for women, and operates over 200 retail outlets in French metropolitan areas as well as Saudi Arabia and Belgium.

To accommodate its expanding product lines and growing demand, Jacqueline Riu turned to YuniquePLM to consolidate its creative processes and streamline its supply chain. Previously, information had been stored in various locations and in a variety of different formats, effectively limiting collaboration and speed to market.

YuniquePLM is web-based product lifecycle management software that enables the fashion and apparel industries to communicate effectively, accelerate workflows and eliminate errors. The latest enhancements include a development calendar and new line planning function, as well as 3D file support and mass sample requests development.

“We look forward to working with Gerber Technology and gaining supply chain efficiency with YuniquePLM as we continue to reach more customers and offer a greater selection of products,” said Arnaud Dubly, Jacqueline Riu CEO. “By integrating YuniquePLM and our supply chain management and ERP software, information will be located in one central spot, ultimately working to make our design and production teams more efficient.”

Bill Brewster, general manager of Yunique Solutions, said, “Our global team of industry professionals is able to serve customers from around the world. Our partnership with Jacqueline Riu continues our commitment to our growing user-base in France. We look forward to working alongside Jacqueline Riu. The integration of YuniquePLM with Adobe® Illustrator®, along with the software's development calendar, will help drive new levels of creativity and efficiency.”

About Jacqueline Riu: Jacqueline Riu established its first retail store in 1971, and now operates over 200 stores across France, Saudi Arabia and Belgium. In 2013, apparel veteran Armand Thiery acquired the brand. Jacqueline Riu offers a selection of ready to wear casual apparel for women, including tops and t-shirts, sweaters, knitted dresses, coats, raincoats, blouses, dresses, trousers, skirts and jackets. The company also offers a range of accessories such as bags, belts, scarves, and shoes. For additional information, visit <http://www.jacquelinერიu.fr>.

About Gerber Technology: For nearly 50 years, Gerber Technology has been the world leader in providing integrated solutions to help its customers automate and more effectively manage product design and manufacturing processes in the apparel and industrial marketplaces. The company serves 25,000 customers, including more than 100 Fortune 500 companies, in the aerospace, apparel, retail, composites, packaging, furniture, technical textiles and transportation interiors industries in 130 countries.

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ZWCAD+: The Continuous Choice for Consolidated Contractors Company

8 June 2015

ZWCAD Design extended its partnership with Consolidated Contractors Company in Jordan by providing more ZWCAD+ licenses. Consolidated Contractors Company had already purchased a large amount of ZWCAD+ licenses last year. As their business continues to grow from the introduction of ZWCAD+, they need more licenses this year.

Consolidated Contractors Company is a leading diversified company carrying out construction, engineering, procurement, development and investment activities worldwide. The company is committed to providing reliable, amicable, and professional service to their valuable clients, and to being supportive to local business and social-economic environments within which they operate.

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Product News

Altium Updates its PCB Design Data Management Tool

10 June 2015

Altium Limited has announced the release of a major update to their enterprise PCB design data management solution - [Altium Vault](#). This new update includes a number of new features to improve the automation and management of design data, with updates to every major feature category including component management, data management, project collaboration, and infrastructure management. Altium Vault 2.5 is available now to all Altium Vault Subscription customers.

“We’ve taken the opportunity in this newest Altium Vault update to carefully identify and optimize those tasks that we found our customers utilizing on a daily basis,” said Nikolay Ponomarenko, Product Manager at Altium. “Altium Vault 2.5 is all about automating those data management tasks that pull designers away from the actual design process, and providing greater control and specificity in those domains that still rely on human precision and analysis.”

NEW FEATURES IN ALTIUM VAULT 2.5

The new features in Altium Vault build off an existing foundation of improved data management tools with an expansion of the ability to search, update, and organize design data in more efficient ways. Altium Vault 2.5 includes 14 new features, with the following highlights:

Component Management Improvements

Component Update Notifications. Engineers are automatically alerted inside of Altium Designer when footprints or symbols associated with components have been updated in the Altium Vault, and are provided with the option to sync all new changes.

Data Management Improvements

Lifecycle Change Approvals. Lifecycle changes can be controlled only by team members granted change permission rights, or through an approval-driven process where team members can submit lifecycle change requests to be approved by managers.

Infrastructure Management Improvements

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NIS Deployment Packages. Deploying an NIS server for local installs of Altium Designer on client machines is now simplified with an automated installation package.

Project Management & Collaboration Improvements

Automated Project Notifications. Team members are notified of any changes made to projects with email notifications for updates to commits, state changes, project releases, and comments.

Binary File Storage. Users can store all documents and data for the project, not just data generated by Altium Designer, in the same central location in the Altium Vault.

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CGS to Launch BlueCherry Product Lifecycle Management Solution

10 June 2015

CGS announced that it will launch its **BlueCherry Product Lifecycle Management** (PLM) solution. Designed based on the in-depth evaluation of the retail and consumer goods market needs, and taking into account feedback from early product adopters and leading industry analysts, BlueCherry PLM provides customers with the most integrated and comprehensive view of product workflows from concept to consumer.

In addition to providing core product data management (PDM), bill of materials (BOM), technical specifications and other commonly available PLM tools, BlueCherry PLM draws from its enterprise solution heritage to deliver a comprehensive set of integrated line planning, design, product development and sourcing capabilities. The solution improves time to market, offers greater visibility and control over collections, and enhances global supply chain operations. It is currently used by over 50 brands and retailers.

“In recent years, PLM has risen to the level of a mission-critical application due to the significant benefits it brings to an organization and this release of BlueCherry PLM extends CGS’s value proposition to the marketplace,” said **Paul Magel**, president of the business applications and technology outsourcing group at CGS. “Our strong foundation and legacy in providing enterprise-level industry software enables us to deliver a superior PLM solution that not only integrates with our own leading Enterprise Suite, but with other enterprise resource planning (ERP) solutions as well.”

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Dassault Systèmes Launches “Passenger Experience,” a New Industry Solution Experience for Aerospace Companies

11 June 2015

Dassault Systèmes announced the launch of “**Passenger Experience**,” a new aerospace and defense industry solution experience, featuring high-end 3D visualization technology for the profitable delivery of customized aircraft cabins.

Aircraft modernization and the retirement of thousands of aircraft over the next decade have led to a strong build cycle in the industry. This is spurring innovation in cabin personalization as an effective tool for business jet original equipment manufacturers, completion centers, suppliers and airlines to differentiate themselves and build customer loyalty.

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Based on Dassault Systèmes' 3DEXPERIENCE platform, "Passenger Experience" uses high-end 3D visualization technology and interactive content to transform engineering data into powerful, visual 3D design, marketing and sales applications that address all aspects of the cabin design experience—from initial customer interaction and design validation and verification, through to marketing campaigns.

"We are convinced that the Dassault Systèmes 'Passenger Experience' will help to better differentiate from competitors and more efficiently meet customers' demands," said Martin Rehmet, Product Manager, RECARO Aircraft Seating. "The results of our initial project with the sales configurator have exceeded our expectations."

"Passenger Experience" automates cabin completion processes and personalizes cabin buying and marketing experiences with cost-effective and time-saving features:

- Essential intelligent 'building blocks' capture rules, regulations, and manufacturing knowledge to automate cabin interior design, development and delivery;
- Real-time cabin configuration and immersive cabin validation capabilities enable quick turnaround time on design configurations, reduce engineering changes and ensure that the final product meets expectations before a physical prototype is created;
- Different forms of training and visualization content, including web-based courseware, interactive game-based training and fully immersive 3D visualization, increase training efficiency and minimize time out of the field for cabin crews and aircraft on the ground;
- 3D data provide marketing teams with high-end cabin images and videos to promote cabin designs that can be quickly adapted for a wide range of marketing purposes, digital channels and devices, and eliminate costly photo shoots.

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Dassault Systèmes Launches its "Perfect Product" Industry Solution Experience for Manufacturers of Consumer Packaged Goods

11 June 2015

[Dassault Systèmes](#) today announced the launch of the "[Perfect Product](#)" industry solution experience for consumer packaged goods companies. Based on the 3DEXPERIENCE platform, "Perfect Product" offers brand and contract manufacturers a digital collaborative innovation platform to discover and develop high-performing formulas that reinforce brand equity and inspire consumer loyalty.

For manufacturers of beauty, personal care and household goods, a formula's performance determines the quality of a consumer's product experience and the willingness to repeat a purchase. In a crowded marketplace where over 80 percent of new product introductions fail within their first year, discovering breakthrough molecules by evaluating benefits through scientific simulation in silico translates into accelerated time-to-market, increased sales and clear product differentiation.

"Perfect Product" brings together consumer insights, formula discovery and design, regulatory compliance and product specification management into a single platform. This enables multiple functions inside and outside the enterprise to collaborate together in real time, accelerating formula

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development, optimizing costs and virtually eliminating product recalls related to formula non-compliance.

“With ‘Perfect Product’ based on the 3DEXPERIENCE platform, consumer packaged goods businesses can deliver winning products with authentic performance claims and strengthen the value of their brand,” said Philippe Loeb, Vice President, Consumer Packaged Goods & Retail Industry, Dassault Systèmes. “Our business platform unifies fragmented people, processes and systems. This can result in improved quality, in reduced sourcing and launch costs by up to 30 percent and in shortened development time by up to 20 percent.”

“Perfect Product” is the third industry solution experience introduced by Dassault Systèmes that is tailored for the consumer packaged goods and retail industry, following “[Perfect Shelf](#)” and “[Perfect Package](#).” Companies now can design the key elements of product, package and shelf in a single digital platform, with the agility to create better products for the consumer at a lower cost while reducing the risk of failure.

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Delcam adds more than 80 technical tips to FeatureCAM website

8 June 2015

Delcam has created a section for technical tips on the website for its [FeatureCAM](#) feature-based programming software. More than 80 tips are listed in the new section, which is located at www.featurecam.com/techtips/

The tips aim to help users with all aspects of programming with FeatureCAM, including milling, drilling, turning, creating geometry, simulation and generating NC code. Each tip is saved as a pdf file that can be read online or downloaded for future use.

The tips complement the videos that are produced for the [FeatureCAM Learning Zone](#), which demonstrate extra functionality that has been added to each new release of the program.

FeatureCAM was the world’s first feature-based programming software when it was launched in 1995. Constant development since then has ensured that the system has retained its leadership in programming speed and ease of use, while an increased range of strategies has been added to provide more efficient toolpaths that give greater productivity on a wider range of machinery.

The FeatureCAM family of software now offers a comprehensive range of programs for milling, turning, wire EDM and mill-turn, all with the same easy-to-use interface style to minimise training times.

FeatureCAM incorporates Delcam’s industry-leading machining algorithms, including the award-winning [Vortex](#) strategy for high-efficiency area clearance. These algorithms are continuously developed by Delcam’s development team, the largest in the CAM industry, and are used by more than 50,000 organisations worldwide.

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Fujitsu announces new tech in preparation for 5G

11 June 2015

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Fujitsu Laboratories announced that, in preparation for the next-generation mobile communications 5G system, achieved multiple access by multiplexing millimeter-wave beams. This technology will enable simultaneous high-capacity communications for multiple users while minimising reductions in communications speeds.

In the past, when large numbers of users communicated at the same time, because their emitted radio waves would interfere with each other, there was a need to partition time and frequencies, which resulted in the problem of slower communications speeds. Now, in the 60 GHz millimeter-wave band, Fujitsu developed a technology that reduces radio waves that were generated outside of the targeted direction during beam formation using array antennas that consisted of multiple aligned antenna elements, to one fifth the conventional amount.

With the developed technology, by multiplexing narrow radio-wave beams, many users are able to communicate without interfering with each other, and reductions in speed during times of high-capacity communications are minimised. In internal experimentation, by forming four millimeter-wave beams, Fujitsu was able to achieve 12 Gbps communications speeds, the world's highest level.

Details on the technology will be released at the meeting of the Technical Committee on Short Range Wireless Communications of the Institute of Electronics, Information and Communication Engineers to be held on 15 June, at Fujitsu's Kawasaki facility.

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Infor M3 Delivers Strategic Enhancements To Customers

9 June 2015

[Infor](#) today announced [Infor M3](#) version 13.3, delivering deep industry-specific functionality to cover a wide-range of unique business needs. Infor M3 is a comprehensive enterprise resource planning (ERP) solution featuring core processes to manage customer service, manufacturing operations, financials, supply chain and equipment management. Infor M3, is the hub for a number of industry suites and provides customers with broad and deep core functionality and the integration with other best in class applications that they need to successfully manage their enterprise. Servicing the [food & beverage](#), [fashion](#), [distribution](#), [equipment](#), and [process manufacturing](#) industries, Infor M3 empowers organizations to adapt to the shifting demands of their specific industry. The ERP is built to service organizations of all sizes and is configurable to fit the individual business needs of each customer.

Infor M3 13.3 is the second release built on the 13.x infrastructure model, Infor's new and improved update method aids in delivering new and improved functionality without the need for major upgrade projects. Simplified, regular updates make it easier for Infor M3 customers to benefit from the latest functionality and continuously improve their processes. Infor M3 13.3 delivers more than 200 improvements and resulting in a total of over 1,200 application-level enhancements since the previous 10.1 version was released. Infor M3 is a global solution that, with the addition of Turkey and Russia in this latest version, now supports 43 countries and 18 languages.

Major enhancements to the Infor M3 solution in version 13.3 include an updated Quality Management module, which now features improved support for shipment tests and configurable Certificates of Analysis. The addition of the Grower Contract Management module further supports food & beverage customers that procure harvested raw materials from growers and farmers. For fashion customers, the

CIMdata PLM Industry Summary

Infor M3 improvements have focused on increasing efficiency of finished goods allocation, mass maintenance and matrix improvements. Equipment customers will be able to take advantage of improvements in the rental, service, equipment and parts sales processes plus the new project portal. Distribution customers will also see improved support for Target Buying in the procurement process, plus our Trade promotion management for distributors is further enhanced with additional rebate methods.

Kavli Holding AS, [an international producer and distributor of food and beverage products,] is among the first Infor customers planning to deploy Infor M3 13.3. "At Kavli we are always looking for opportunities to enhance the processes across our organization. The upgrade to version 13.3 will contribute substantially to this continual improvement. The most important factor for our production is robustness. We operate every hour of every day to very strict SLAs and our ERP must facilitate our exacting standards," said Tom In't Veen, IT director, Kavli Holding AS. "The new Graphical Lot Tracker will help enable us to better identify where ingredients or products are at any one time, supporting food safety and traceability processes that protect consumers. The new Quality Management Module will enable each of our sites to report on the information gained from testing samples consistently and with less work to manually load data. Lastly, the upgrade will improve the integration with our Infor Optiva PLM system to further drive efficiency for Kavli."

The latest version of the Infor M3 solution is fully Infor 10x enabled and includes [Infor ION®](#), a purpose-built middleware and [Infor Ming.le™](#), a collaborative social business platform. The release utilizes the H5 thin client, which further enhances collaboration and enables data to be easily exported to popular business applications such as Microsoft Excel and helps simply apply scripting capabilities to deliver a well-rounded consumer grade user experience. The addition of the Web Mashup software development kit (SDK) and new configuration capabilities also help customers tailor the user experience down to the role or individual level. This directly benefits the customer by avoiding the need for modifications by providing tooling for personalization of an Infor M3 solution in a manner that does not impact the ability and ease of upgrades in the future (unlike many other ERP systems where customer-specific customizations make upgrading difficult if not impossible). The solution is outfitted with [Infor M3 Analytics](#) and mobility, which provides real-time business intelligence to the workforce at anytime, anywhere.

The latest Infor M3 solution now features an open source based Linux platform as a deployment choice to reduce total cost of ownership for customers.

"At Infor, it is our job to make our customer's lives easier. With our continuous updates to Infor M3, we are providing customers the ability to do more work, more efficiently," said John Gledhill, global director, M3 Product Management, Infor. "Infor M3 version 13.3 allows our customers to improve their lines of business without completely overhauling their existing hardware. This update is an example of our dedication to creating software that works better and drives innovation, while focusing on our key industries to better serve all of our customers."

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MTI Systems Adds Automatic 3D CAD Feature Recognition to Cost Estimating Software

11 June 2015

[MTI Systems Inc.](#) announced the release of Costimator® With 3DFX, an automated feature recognition (AFR) function that recognizes CAD features and their parameters from solid models. 3DFX provides

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estimators complete control over features they “extract” and import into Costimator for estimating.

Costimator With 3DFX increases cost estimating speed and quoting throughput up to 90%, while dramatically improving cost estimating accuracy and consistency, from part to part, estimator to estimator.

“Adding automatic feature recognition technology that instantly identifies part dimensions and features is a critical time saver for estimators,” said Mr. David LaJoie, vice president, Sales and Marketing, MTI Systems. “A quote that would typically take an estimator hours to develop can now be done accurately in just minutes with 3DFX.”

Coined from combining the “3D” (CAD) and “FX” from feature extraction, the Costimator 3DFX 3D CAD viewer supports over thirty file formats from developers such as AutoCAD, STEP, IGES, NX and SolidWorks. Estimators can instantly collect accurate measurements, cut dynamic sections, play animation and more. AFR functionality automatically recognizes 3D CAD features such as holes, slots, pockets, bends, forms, etc. and their parameters from solid models.

3DFX is a fully integrated add-on for Costimator. CAD features and the parameters that are selected and sent to Costimator are automatically estimated via industry-validated cost models. It also offers a unique easy-to-use model editor for user-customizable templates, enabling estimators the ability to develop their own defined parameters. Any unrecognizable features and their associated dimensions can be quickly identified and entered during the process. “Costimator with 3DFX is user friendly, even for inexperienced estimators,” commented LaJoie.

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nPower Software Releases Power Surfacing RE for SolidWorks

8 June 2015

nPower Software has released a powerful new reverse engineering product, Power Surfacing RE.

Power Surfacing RE is an add-in reverse engineering (RE) product for SolidWorks 3D design software that significantly improves the process for reverse engineering scanned meshes, other mesh data, and SolidWorks geometry within SolidWorks.

Power Surfacing RE is built on top of nPower’s Power Surfacing product.

Dealing with scanned meshes can be tricky and time consuming. Power Surfacing RE simplifies the process with tools to reference and convert the scanned mesh into “standard” SolidWorks NURBS geometry. Once the scanned mesh is converted into typical SolidWorks geometry, users can apply all the SolidWorks commands normally used on native SolidWorks geometry.

Power Surfacing RE also includes mesh cleanup and preparation tools to simplify the reverse engineering process. For example, users can patch/fill holes while maintaining the overall surface continuity, flip faces on inverted meshes, and visually compare the distance between the original mesh and the reverse engineered result.

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NCSIMUL CAM: Streamline your CNC programming and make your shop floor more flexible than ever

10 June 2015

SPRING Technologies, vendor of software that optimizes the use of NC Machines, announces the worldwide launch of NCSIMUL CAM. This new product delivers agile CNC programming to streamline the current CAM process and provides unparalleled flexibility on the shop floor.

Fully integrated in the new unified NCSIMUL SOLUTIONS V10 platform (including NCSIMUL MACHINE, NCSIMUL TOOL, and NCSIMUL DNC), it embodies SPRING Technologies' response to today's issues in CNC machine programming: removing the typical organizational method of tool path generation (CAM), post-processing, G-code verification and simulation and streamlining the conventional CNC programming process.

According to the company, the primary benefits will be significant cost savings and optimal use of CNC machine because of the flexible programming capability. "This is a major new step forward for the company's product strategy and in the manufacturing industry," said Philippe Solignac, corporate marketing director for SPRING Technologies.

The company will demonstrate the new product at the Paris Air Show, stand E71, Hall 2B.

NCSIMUL CAM Product Overview

NCSIMUL CAM directly generates verified and optimized CNC programs, while factoring in the physical resources available on the shop floor, including tools, cutting conditions, kinematics and machine controllers.

With this new solution CAM data (APT neutral file / CL-data) and existing CNC programs can be used easily to generate a valid new CNC program in just a few clicks for another machine using different kinematics and controller. This will enable manufacturers to quickly adapt their existing programs to new resources when retrofitting a machine, buying a new one or when a machining process is repurposed. With a conventional CAM process (CAM-Post-Processor-Machining Simulation), this task could take hours, even days. With NCSIMUL CAM, these times are slashed to minutes.

Likewise, if the target machine initially planned for the CAM program is no longer available for maintenance reasons or is already being used to meet production, it will take just one click with NCSIMUL CAM to switch programming to another machine – whatever its complexity (3X to 5X, 5X to 4X...), the type of kinematics (tilting head to table-on-table for instance) or the type of controller (FANUC, Siemens, Heidenhain...).

Thanks to the integration of NCSIMUL Tool database, NCSIMUL CAM provides a direct access to 3D tool data and cutting conditions and automatically reconfigures the tool magazine.

This will provide manufacturers with the level of flexibility they need to achieve rapid switching of scheduled production from one CNC machine to another, making their production means fully flexible and agile.

5 key features of NCSIMUL CAM

"Hybrid" programming, taking the pain out of legacy re-use ,

Error-free programming in native NC code, for an all-in-one solution,

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No more external post-processor, streamlining the CAM process,
One-click re-programming, for complete flexibility,
Dynamic management of intermediary rough stocks for unrivalled programming
comfort

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Toshiba Develops SSD Simulation and Analysis Platform for Design Optimization

9 June 2015

Toshiba Corporation has developed an SSD(Note 1) design optimization platform that realizes efficient analysis of various SSD simulations, greatly reducing work on design optimization. Toshiba will present details at the Design Automation Conference in San Francisco, California on June 8.

As NAND flash memory storage densities continue to climb, SSDs are finding much wider application in data centers and industrial equipment. However, increasing design complexity requires designers to combine SSD design parameters carefully, and the diversity of requirements for capacity, performance, power consumption and reliability complicates optimization. With optimization based on traditional methods becoming increasingly difficult, technologies that efficiently identify optimal solutions for a given combination of SSD design parameters are desired.

Toshiba has developed a unified SSD design optimization platform made up of ArcHunter, which carries out a variety of SSD simulations, and Polyspector, which summarizes simulation results for efficient analysis. Together, they allow easy construction and comparison of a wide variety of SSD models, and support efficient searches for optimal combinations of design parameters. A particularly important achievement is the use of general-purpose tools for SSD model development and simulation analysis tasks previously performed by hand, realizing significant reductions in the optimization workload.

Future research and development work will aim to apply these technologies to other storage systems that require optimization of design parameters.

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Victaulic Launches Add-in for Autodesk® Revit® MEP

11 June 2015

[Victaulic](#), the world's leading manufacturer of mechanical pipe-joining systems, introduces [Victaulic Tools for Revit](#), an innovative Autodesk® Revit® MEP add-in that increases drawing productivity, solves troublesome pipe routing problems and enables the creation of construction and fabrication documentation within Revit. Victaulic Tools for Revit allows users to route pipe twice as fast and increase efficiency and productivity.

The productivity tools within Victaulic Tools for Revit allow users to design virtual, intelligent models with all mechanical or pump room details in half the time compared to current routing techniques within Revit. The enhanced routing and editing tools enable the creation of complex piping systems with fewer clicks. Features that increase routing efficiency include:

- Pipe Splitting: Automatically splits pipe into predetermined minimum and

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maximum lengths and joins the pipe sections with the specified coupling as the user routes.

- Rotate Selection: Rotates selected portions of the model at a specified angle within the 3D view.
- Resize Selection: Changes the size of all components in a selected area with a single click.
- Delete Pipe: Deletes a selected pipe and connects the system fitting to fitting, while ensuring proper connection points.
- Pipe/Custom Tagging: Automates tagging, placing custom tags on pipe and components within the model.
- Family Lookup: Exports and imports lookup tables being used by the currently open family.
- Directory Lookup: Scans family directories and imports and exports all lookup tables within all families.

Victaulic Tools for Revit makes fabrication possible within Revit, while increasing productivity. Users can create construction details and fabrication drawings, including labor estimates and manufacturer information, without the need to switch software. Features that improve efficiency in the fabrication process include:

- Create Assembly: Creates seamless fabrication assembly documents of the piping system, ensuring all nested families are correctly brought into the assembly and eliminating the omission of loose parts. Ortho and plan views for spool drawings are available.
- Procurement Tool: Automates the bill of material creation for a selected pipe spool.
- Fabrication spool sheet creation from 3D view.

Victaulic Tools for Revit features an intuitive, user-friendly interface that simplifies training and usage for both new and experienced Revit users. The add-in works in all views, comes preloaded with more than 100 Victaulic product families and template designs, and allows users to route with Victaulic as well as other manufacturers and joining technologies.

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