

Contents

CIMdata News	2
CIMdata to Host Free Webinar on Blockchain Technology and PLM Usage	2
Simulation: Past the Tipping Point? (CIMdata Blog)	3
Acquisitions	4
Accenture Agrees to Acquire Mackevision, a Leading Producer of Computer-Generated Imagery and Immersive Content	4
Accenture Completes Acquisition of Altima	5
Company News	6
Altair Partner Alliance Expands Software Offering in 2017, Growth to Continue in 2018	6
ANSYS Announces Winners of 2018 Hall of Fame Competition	7
Aptos' Focus on Engaging Customers Differently Results in 83 Percent Revenue Growth Since Spinoff	8
CONTACT Software supports Systems Engineering initiatives of OMG	10
Dassault Systèmes Announces Global Entrepreneur Program to Accompany Startups, Entrepreneurs and Makers	11
Dassault Systèmes Signs Strategic Cooperation Agreement with China Aerospace Science and Technology Corporation	12
Eurostep and AVIC Digital announce partnership	13
Faurecia and Accenture Join Forces to Reinvent Onboard Experience for Connected and Autonomous Vehicles	13
Infor Retail Born out of NRF	14
National Association Of Professional Women Inducts Shahrzad Zarkoob, Ph.D., Sr. Manager BEX At Johnson & Johnson Vision, Into Its VIP Professional Woman Of The Year	15
OurCrowd Launches \$100M Cognitiv Fund	16
PROS Continues Global Growth with Expansion in Sofia	16
Samsung Recognized for Sustainability Initiatives by the U.S. Environmental Protection Agency	17
Simparel Rebrands as EXENTA Reflecting its Business Transformation	18
Toyota Motor Europe and Dassault Systèmes Collaborate on Next Generation Digital Marketing	18
Events News	19
Exenta to partake in Colombiatex 2018 tradeshow	19
LiveWorx 2018 – June 17-20, 2018	20
Logility and NGC Software Solve Complex Retail Challenges at NRF 2018	20
Financial News	21
Infosys announces results for the Quarter ended December 31, 2017	21
Implementation Investments	22
AMC Bridge Implemented Windchill and ZWCAD Integration for a Global Manufacturing Company	22
EnterWorks Uses Dassault Systèmes' 3DEXPERIENCE Platform to Extend Master Data and Product Information Management for 3D Virtual Reality in Retail Stores	22
Plantagen Sows Seeds for Growth with Infor	23
Superdry Signs with Centric Software Aiming at strategic and operational digital transformation	24
Product News	25
Boon Edam Partnering with BIMsmith to Provide BIM Content to Building Designers	25
CGTech Release VERICUT Version 8.1.2	26

CIMdata PLM Industry Summary

Fortinet Demonstrates Integrated Security and Threat Protection for the Connected Car of the Future at CES 2018 _____	27
HoloLamp to Unveil Real-Life Optical 3D Illusions at Upcoming Consumer Electronics Show _____	29
Infor Releases New Digital Innovation Enabler for Healthcare Industry _____	29
PTC and CBX Software Join Forces, Retailers to Gain Competitive Advantages in Product Design, Development & Supply Chain Sourcing _____	30
PTC Focuses on Next-Generation Licensing for the Automotive Industry _____	31
SGS & CBX Software Streamline Retail Sourcing and Quality _____	32
SIMSOLID Professional Released _____	33
UST Global and OpsHub Partner to Help Enterprises Promote Digital Transformation Through an Integration Platform for Product Development and Customer Experience Ecosystem _____	35

CIMdata News

CIMdata to Host Free Webinar on Blockchain Technology and PLM Usage

10 January 2018

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces an upcoming free educational webinar, “Blockchain Technology and PLM Usage.” The webinar will take place on Thursday, February 8, 2018 at 11:00 a.m. (EDT) and will last for one hour.

Blockchain technology has been used in currency transactions and has several key attributes that lend it to lifecycle management and the digital thread definition. This webinar will explore some of these attributes from the viewpoint of PLM to decide if there is sufficient evidence to develop use cases where PLM applications can benefit from Blockchain usage.

According to the webinar host, CIMdata’s Director for Manufacturing Systems Engineering, Michael Fry, “We are now at the start of another revolution called Blockchain, which is a distributed database that maintains a continuously growing list of ordered records, called “blocks”. We have seen the explosion of crypto currencies such as bitcoin and smart contracts such as Ethereum. It is just a matter of a short period time before this technology is further adapted and we, in the PLM economy, want to be on the leading edge.”

Mr. Fry has 40 years of PLM and manufacturing industry experience. Mr. Fry has broad industry experience servicing clients from aerospace & defense, shipbuilding, automotive, and electronics industries. Prior to his consulting career, Mr. Fry was an aerospace design engineer with Beech Aircraft and Martin Marietta. Later, while at several leading PLM solution providers, he worked with global manufacturing companies in the automotive, aerospace & defense, building products, fabrication, industrial equipment, and marine industries. More recently he was involved in the predictive analytics discipline working on projects implementing the Internet of Things (IoT) and Industry 4.0 practices to provide data collection for cognitive computing and decision-making. This work was applied to machine tool operations, drone imaging and video capture, as well as jet engine failure prediction.

This webinar will help attendees understand if Blockchain can support new technologies such as PLM, where these new technologies fit, and how CIMdata is supporting these new technologies.

The webinar will be useful to manufacturing planners and managers, PLM team leaders, PLM team members, PLM users, manufacturing engineers, field service personnel, product managers, IT leaders,

CIMdata PLM Industry Summary

solution and service providers, industrial companies seeking to make investments, industry and financial analysts, and anyone wanting to learn more about Blockchain in the context of PLM.

During the webinar attendees will have the opportunity to ask questions about the topics discussed. To find out more, visit: <https://www.cimdata.com/en/education/educational-webinars/webinar-blockchain-technology-and-plm-usage>. To register for this webinar please visit: <https://attendee.gotowebinar.com/register/4260942186588261379>.

About CIMdata

CIMdata, a leading independent worldwide firm, provides strategic management consulting to maximize an enterprise's ability to design and deliver innovative products and services through the application of Product Lifecycle Management (PLM) solutions. Since its founding in 1983, CIMdata has delivered world-class knowledge, expertise, and best-practice methods on PLM solutions. These solutions incorporate both business processes and a wide-ranging set of PLM-enabling technologies.

CIMdata works with both industrial organizations and providers of technologies and services seeking competitive advantage in the global economy. In addition to consulting, CIMdata conducts research, provides PLM-focused subscription services, and produces several commercial publications. The company also provides industry education through PLM certificate programs, seminars, and conferences worldwide. CIMdata serves clients around the world from offices in North America, Europe, and Asia-Pacific. To learn more about CIMdata's services, visit our website at www.CIMdata.com, follow us on Twitter: <http://twitter.com/CIMdataPLMNews>, or contact CIMdata at: 3909 Research Park Drive, Ann Arbor, MI 48108, USA, Tel: +1 734.668.9922. Fax: +1 734.668.1957; or at Oogststraat 20, 6004 CV Weert, The Netherlands, Tel: +31 (0) 495.533.666.

 [Click here to return to Contents](#)

Simulation: Past the Tipping Point? (CIMdata Blog)

12 January 2018

CIMdata's Executive Consultant, Dr. Keith Meintjes, recently shared his views on Simulation Governance.

He summarized as follows:

"Companies need to look at how they manage their simulation strategy, what we call Simulation Governance. This is an issue for senior executive management, not just the high priests of simulation."

Dr. Keith Meintjes, CIMdata

Learn more by reading the full blog post at: <https://www.cimdata.com/en/resources/cimdata-blog/item/9459-simulation-past-the-tipping-point>

Don't forget to share it with your colleagues and let Keith know what you think!

 [Click here to return to Contents](#)

Acquisitions

Accenture Agrees to Acquire Mackevision, a Leading Producer of Computer-Generated Imagery and Immersive Content

10 January 2018

Accenture has entered into an agreement to acquire Germany-based Mackevision, a leading global producer of 3D-enabled and immersive product content. The acquisition will add state-of-the-art visualization capabilities to Accenture Interactive’s digital services portfolio – strengthening its ability to create compelling, next-generation customer experiences and industrial, extended reality applications. The acquisition is subject to customary closing conditions. Financial terms of the transaction are not being disclosed.

Mackevision’s creation, visualization and production services are used for online product configurators, digital and print catalogues, virtual showrooms, point-of-sale kiosks, augmented and virtual reality experiences, as well as broadcast video and feature films. Mackevision has developed a differentiated ability to leverage engineering data to construct ‘digital twins’ of complex physical products. By applying the latest techniques in CGI, visual effects and AR/VR, Mackevision can generate nearly any type of visual content from these twins – effectively turning engineering data into truly immersive product experiences and virtual applications. This highly-specialized approach has the potential to transform product design as well as fuel the next generation of consumer experiences.

The ability to create digital imagery of the highest quality based on ‘digital twins’ is key to Accenture’s vision of delivering a broader set of services around smart, connected products, platforms and business models to a wide range of industries, including automotive, industrial equipment, consumer goods and retail.

Founded in 1994, Mackevision has a team of more than 500 employees and is headquartered in Stuttgart, Germany, with offices in Munich and Hamburg as well as in the United States, United Kingdom, China, South Korea and Japan.

Mackevision has earned international acclaim for its work on the HBO Series “Game of Thrones” – for which it was awarded an Emmy for Outstanding Visual Effects. The company’s high-end creative and visual effects capability is especially relevant in the growing field of extended reality, where life-like models and environments are considered critical to creating fully-immersive experiences.

“This is truly a one-of-a-kind opportunity for us,” said Jamie Posnanski, global content practice lead, Accenture Interactive. “Mackevision has a deep roster of highly-relevant creative and technical talent in emergent capabilities, and operates with mature offerings on a global scale. It’s rare to find this combination in the market. We are highly impressed by the quality of the work, innovation, leadership, culture and, of course, talent on the Mackevision team, and we are excited for what our combined capabilities can mean for clients.”

“Mackevision’s capabilities will add a whole new dimension of content innovation to our portfolio of services,” added Brian Whipple, head of Accenture Interactive. “The ‘digital twin’ concept has massive implications not only from a scaled media production and marketing standpoint, but also for our broader

CIMdata PLM Industry Summary

vision of helping clients render the most compelling experiences possible.”

With clients including Audi, BMW, Fiat Chrysler, Hyundai, Jaguar, Land Rover, Mercedes-Benz, Porsche, Mackevision has achieved its most notable success in the automotive industry – where CGI-based and ‘digital twin’ visualization has experienced some of the earliest adoption.

“Mackevision is delighted to become part of the Accenture family,” said Mackevision CEO Armin Pohl. “With our more than 20 years’ experience in 3D visualization, our visionary technology and our efficient Single-Source Publishing (SSP) approach, we create relevant, inspiring product and brand experiences with lasting impact. We have moved from being a content provider to providing relevant end-to-end solutions for our clients, and we’re looking forward to collaborating on creating meaningful client experiences on a global scale under Accenture Interactive.”

Accenture is an early leader in the burgeoning AR/VR services market, having delivered consumer and enterprise experiences for clients such as BMW and Jeep over the past several years, and recently launched the Accenture Extended Reality (XR) practice. The acquisition of Mackevision will help Accenture significantly accelerate its ability to envision, create and operate XR solutions at scale for its clients and help drive the future of the XR market.

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Accenture Completes Acquisition of Altima

8 January 2018

Accenture has completed its acquisition of Altima, a full-service digital commerce agency, headquartered in France.

The acquisition, first announced on October 17, expands Accenture Interactive’s capabilities in France and other key markets to help brands attract and retain customers through differentiated and compelling digital experiences. Terms of the transaction are not being disclosed.

Altima is known for creating engaging customer experiences for eCommerce, mobile and in-store commerce for prestigious French and global brands. Altima’s capabilities span experience strategy, user experience design, digital marketing services and multichannel commerce platform implementation. The agency, founded in 1997, is headquartered in Roubaix, France, and has offices in Paris, Lyon, Beijing, Shanghai, Hong Kong, Montréal, and New York.

“We’re thrilled to have Altima join the Accenture Interactive family to help us deliver end-to-end digital marketing services in France and beyond,” said Anatoly Roytman, head of Accenture Interactive for Europe, Africa, Middle East and Latin America. “Together, we’re bringing our unique model to the market: part creative agency, part business consultancy and part technology powerhouse – all focused on creating the best customer experiences on the planet.”

“I am very pleased for Altima to join Accenture Interactive, as we share the same vision and passion for designing the future of commerce,” said Arnaud Monnier, CEO of Altima. “We look forward to extending our ideas across the entire customer experience, offering clients connected creativity. We believe this is a genuinely game-changing moment for our clients and for our team, who will now have even greater opportunity to work with leading global brands across international markets.”

The acquisition follows Accenture's recent announcement of plans to acquire Irish creative agency, Rothco. With a pedigree for award-winning campaigns, Rothco has been recognized with Cannes Lions for two consecutive years and further bolsters Accenture Interactive's full-service digital customer experience capabilities in Europe.

 [Click here to return to Contents](#)

Company News

Altair Partner Alliance Expands Software Offering in 2017, Growth to Continue in 2018

11 January 2018

Altair Engineering Inc. is pleased to announce the addition of twelve new partner products to The Altair Partner Alliance (APA) software offering in 2017 with more to come in 2018. The APA expanded their offering in several domains including human modeling, additive manufacturing, electromagnetics, multi-physics, CFD and more. As of the end of 2017, the APA had a total of 52 partners providing 72 engineering software solutions.

“The APA allows our customers to develop better products faster and at lower costs,” said Jeffrey Brennan, CMO at Altair. “Our goal is to offer the broadest platform possible by partnering with companies that have complementary technologies to the HyperWorks® suite. We have some very exciting partnerships in the pipeline for 2018 and are looking forward to announcing these to our customers.”

The APA provides HyperWorks users access to a broad spectrum of complementary software products using their existing HyperWorks Units at no additional cost. Partner applications can be downloaded and used on-demand as with HyperWorks products. This constantly growing portfolio extends users' analysis capabilities to help them create better products faster.

New products now available:

- Santos® Pro by SantosHuman Inc. (Human-Centered Design)
- SENSE by Fieldscale (Touchscreen Design & Simulation)
- HUByx by CEDREM (Human Modeling)
- Virfac® Additive Manufacturing by GeonX (Additive Manufacturing)
- Amphyon by Additive Works (Additive Manufacturing)
- ModelCenter by Phoenix Integration (Model-Based Engineering)
- FieldView Express by Intelligent Light (CFD Post-Processing)
- CES Selector by Granta Design (Material Selection)
- CosiMate by Chiastek (Systems Simulation)

CIMdata PLM Industry Summary

- Optenni Lab by Optenni (Matching Circuit Design)
- AVL CRUISE™ M (Systems Simulation)
- VSim by Tech-X (Electromagnetics)

Coming soon to the APA:

- RAMDO by RAMDO Solutions (Reliability Analysis & Multidisciplinary Design Optimization)
- ultraFluidX by FluiDyna (CFD for External Aerodynamics)

 [Click here to return to Contents](#)

ANSYS Announces Winners of 2018 Hall of Fame Competition

9 January 2018

From improving automotive engine systems to studying the formation of aortic aneurysms to developing more innovative skis, the winning entries of the annual ANSYS Hall of Fame competition highlight how engineers are solving complex challenges with ANSYS Pervasive Engineering Simulation solutions across various industries.

The contest gives users the opportunity to showcase their use of ANSYS engineering simulation technology to solve complex problems with a high degree of accuracy. The submissions were divided into three categories – corporate, startup and academic.

Corporate winners:

- Delphi Technologies is a leading provider of advanced vehicle propulsion solutions. Engineers used ANSYS software to perform virtual measurements of a fuel injection nozzle sprayer to ensure performance stability and reduce emissions for gas-direct injection engines.
- Lucy Electric enables the safe and reliable distribution of energy to homes and businesses worldwide through high-performance medium voltage switchgear for utility, industrial and commercial applications. With ANSYS engineering simulation, Lucy Electric reduced the number of prototypes and expensive test shifts during the development process of switchgear splitter plates.
- Peraso Technology is a fabless semiconductor company specializing in providing products for the mobile sector of the wireless consumer electronics market. The company used ANSYS technology to ensure thermal performance of the tightly packed electronic systems within a dongle.

Startup winner:

- Volute, Inc, develops conformable tanks to power vehicles that reduce greenhouse gas emissions and urban air pollution. With ANSYS software, engineers subjected a virtual tank to a fire to ensure its structural integrity.

Academic winners:

- Fondazione Toscana "Gabrielle Monasterio" coupled clinical and patient data with ANSYS to

CIMdata PLM Industry Summary

help clinicians better understand the blood flow within aortic aneurisms so they can determine aneurism growth and bulge formation.

- University of Florence researchers at HTC Group used ANSYS software to understand the multiphysics phenomena involved in turbine combustion to contribute to the design of future low-emission aeroengines.
- Lucerne University of Applied Sciences and Art coupled ANSYS thermal and mechanical simulation technologies to help improve the manufacturing process for composite skis. The use of simulation for ski manufacturing can save costs by reducing the number of physical prototypes and help explore the effectiveness of completely new and unconventional approaches in ski design.

"We are continually inspired by how customers like these take our engineering simulation solutions and create bold and powerful innovations that can revolutionize industries," said Matt Zack, vice president, corporate marketing and business development, ANSYS. "These best-in-class winners demonstrate how simulation can be used in every stage of the product lifecycle to improve product performance and achieve success more efficiently and affordably."

View the ANSYS Hall of Fame Archive at <http://www.ansys.com/HOF> for submissions from previous years' competitions.

 [Click here to return to Contents](#)

Aptos' Focus on Engaging Customers Differently Results in 83 Percent Revenue Growth Since Spinoff

11 January 2018

Aptos, Inc. today announced its revenue has increased an astounding 83 percent since its spinoff from Epicor Software Corporation in June 2015. As one of the only end-to-end technology providers focused entirely on retail, Aptos now employs 1,300+ retail specialist colleagues worldwide.

Since Aptos was established as an independent company, it has been empowering retailers to engage customers differently, no matter when, where or how they shop. Aptos has also engaged its customers differently by partnering with retailers in authentic, collaborative ways that embody The Aptos Way, the driving force of its company culture.

Through both organic development and acquisition, Aptos now offers the industry's most comprehensive set of omni-channel retail solutions for point of sale, customer relationship management, order management, sales audit, retail analytics, e-commerce, merchandising, forecasting, allocation and replenishment, merchandise and assortment planning, product lifecycle management, and supplier collaboration.

With nearly 40 percent of Aptos customers having \$1 billion or more in revenue, Aptos can scale to support some of the world's largest, international retailers, as well as regional retailers focused on hyper-growth. Currently, more than 1,000 retail brands across 60 countries leverage Aptos technology.

"Aptos' maturation, in just two short years as an independent company, to a vendor capable of supporting tier 1 retailers, is timely, as retailers are looking for a vendor that brings a balance of organizational scale with agility," said Robert Eastman, Research Manager, IDC Retail Insights.

CIMdata PLM Industry Summary

"Aptos distinguishes itself across several areas: differentiating customer focus ("Engaging Customers Differently"); singular commerce platform for retailers; growing global scale and support; and a commitment to innovation and the cloud. Aptos is a force to be reckoned with in the retail sector."

"The journey Aptos has been on is nothing short of amazing; it feels like we are kicking things into high gear," said Noel Goggin, Aptos CEO and culture leader. "Combining our customer-first approach with an advanced, end-to-end technology suite and the power of the cloud, we are bullish on Aptos' future and the impact we will have on retailers' transformation strategies."

According to Goggin, Aptos will maintain its focus on engaging customers differently, as well as its prioritization and investment in the following areas:

Advanced End-To-End Retail Solutions

Aptos' Singular Commerce platform includes proven, scalable and widely deployed applications that unify the entire retail enterprise to enable singular commerce and seamless experiences.

In 2017, Aptos' solution portfolio was extended through its acquisition of TXT Retail, which added TXT Retail's best-of-breed merchandise lifecycle management (MLM) suite.

2017 Result: Aptos' October 2017 acquisition of TXT Retail.

Order Management Mastery

Aptos Enterprise Order Management is fast becoming one of the most-deployed order management systems across retail. Aptos EOM is at the heart of Aptos' Singular Commerce strategy and serves as the centralized commerce hub to profitably manage orders throughout their lifecycle, while delighting shoppers and connecting physical and digital channels.

2017 Result: More than 20 retailers, including Billabong, Cole Haan and Tommy Bahama, announced their selection of Aptos EOM in 2017.

Living in the Cloud

The cloud is fundamentally and rapidly changing the way retailers do business.

As a retail cloud pioneer, Aptos helps retailers transform the way they manage and deploy technology with its cloud-based solutions that drive speed to value, agility and growth.

2017 Result: Aptos experienced a 95 percent year over year sales increase for its SaaS solutions as more customers opted to deploy solutions in the cloud.

A Global Focus

Commerce is increasingly global. To support retailers in their international expansion, Aptos has scale and presence throughout NORAM, EMEA, LATAM and APAC, with 40 percent of revenue coming from outside of North America.

Of Aptos' 1,300+ colleagues, 45 percent are based outside of the Americas.

2017 Result: Aptos has offices in 21 countries, and serves 660 retail clients around the world.

Partner Enablement

As Aptos has evolved into the global leader for end-to-end retail technology solutions, the company's partner program has played a critical role in its growth and engaging customers differently.

Looking ahead to 2018, Aptos expects over 30 percent of its global implementations to be delivered by partners.

2017 Result: Aptos and its partners collaborated on a record high 165 client projects in 2017.

Commitment to Innovation

To help retailers create enterprises built for rapid change, Aptos announced the launch of Aptos Labs, a dedicated innovation development team.

With an emphasis on ongoing innovation, yielding new capabilities and intensifying return on investment, Aptos Labs developed a cloud-native, mobile-first and unified commerce services platform.

2017 Result: Launch of Aptos Labs and the development of a next-generation singular commerce platform.

To learn how Aptos is helping retailers engage differently, visit www.aptos.com for more information or email info@aptos.com.

 [Click here to return to Contents](#)

CONTACT Software supports Systems Engineering initiatives of OMG

10 January 2018

CONTACT Software has joined the Object Management Group (OMG) to help shape standards for the industrial Internet of Things. The first project is the extension of the Systems Modeling Language for the cross-disciplinary development of smart products.

OMG is an international, independent consortium with more than 800 members that sets industry standards in technology. These include, for example, the exchange format for requirements RegIF or the Unified Modeling Language, from which the Systems Modeling Language (SysML) is derived.

The start of CONTACT's commitment was the participation together with a delegation of the German Society for Systems Engineering (GfSE) in the kick-off at the OMG Technical Meeting for the next SysML generation. This standard for the description of networked, highly complex systems is a central element of model-based system engineering (MBSE).

Today, MBSE is regarded as a key competence for digital transformation. At the kick-off in Burlingame, the aerospace industry in particular was represented by Airbus, Lockheed Martin, NASA and other industry leaders. Scientists from MIT and further institutes, well-known consultants such as Tim Weilkiens from oose (3rd from right) and software manufacturers discussed the next generation of SysML with industry representatives.

CIMdata PLM Industry Summary

CONTACT Software pursues the goal of connecting central PLM functions with SysML model management in such a way that the entire development process is driven by requirements. "The main benefit of SysML is to support the cross-disciplinary system design for mechanical, E/E and software development," says Lucas Kirsch, analyst at CONTACT. "We contribute with our know-how to the further development of the next version in the user's interest and bring in experience from integration approaches that have already been shown."

 [Click here to return to Contents](#)

Dassault Systèmes Announces Global Entrepreneur Program to Accompany Startups, Entrepreneurs and Makers

9 January 2018

Dassault Systèmes today announced at CES its Global Entrepreneur Program to accelerate the development of breakthrough innovations by startups, entrepreneurs and makers. The program, which leverages Dassault Systèmes' 3DEXPERIENCE platform, applications, expertise, and community of mentors and services, delivers a full portfolio of tailored solutions and different types of engagement to accompany innovators at every step of their development, from seed to late stage.

More than 1,000 startups, entrepreneurs and makers have already embarked with Dassault Systèmes on digitally developing real-world products and experiences. With the Global Entrepreneur Program, they can use virtual worlds, collaboration, collective intelligence and communities to facilitate innovation, creativity, and to bring ideas to fruition. Innovators can advance projects integrating internet of things and other technologies, design and test products, access online prototyping services using the latest 3D printing methods, and share knowledge and knowhow with a qualified network of professionals, experts and peers from many industries.

Startups have different needs at each phase of their lifecycle. A one-size-fits-all technological, mentoring and marketing approach falls short of providing the diverse levels of support required to help them get products to market faster while, in parallel, addressing business challenges inherent to the startup world such as funding, staffing, IT infrastructure or sales.

The Global Entrepreneur Program's tracks include design applications and training

from SOLIDWORKS for Entrepreneurs for projects focused on mechanical innovation, as well as immersive acceleration in the 3DEXPERIENCE Lab for disruptive startups transforming society that require mentoring, prototyping and marketing support through a network of incubator, accelerator and Fab lab partners across the U.S. and Europe.

The Global Entrepreneur Program also includes the cloud-based 3DEXPERIENCE platform, community management, support and services that bring speed, agility, flexibility, experimentation and collaboration to projects that require more than just a new product engineering activity.

"Entrepreneurs have told us that they value the social community of an incubator above all else, and we listened," said Frédéric Vacher, Director, Corporate Strategy Innovation, Dassault Systèmes. "Dassault Systèmes loves startups, and our Global Entrepreneur Program supports their innovation processes by providing cloud applications and online communities and services, whatever their industry, product, needs or maturity level. Gone are the days when only large companies had the myriad of skills, resources and capabilities to yield breakthroughs. We are a catalyst and enabler for large companies and

CIMdata PLM Industry Summary

startups alike to create concepts, bring virtual and real worlds together, and empower a renaissance of innovation.”

Dassault Systèmes is exhibiting at CES in Las Vegas January 9-12, 2018, booth #8300 in the North Hall.

 [Click here to return to Contents](#)

Dassault Systèmes Signs Strategic Cooperation Agreement with China Aerospace Science and Technology Corporation

9 January 2018

Dassault Systèmes and China Aerospace Science and Technology Corporation (CASC) have signed a strategic cooperation agreement. The agreement coincides with French President Emmanuel Macron’s first state visit to China in January 2018, and supports efforts by France and China to strengthen their technological and economic cooperation in the context of France’s “Industry of the Future” and China’s “Made in China 2025” industrial initiatives.

CASC will leverage the 3DEXPERIENCE platform to support the digital transformation of CASC and accelerate efficiency and innovation in China’s industries. It will explore cooperation in information technology, digitalization software and consulting services to enhance digitalization and intelligent manufacturing capacities. CASC, with 180,000 employees, is leading China’s space program roadmap to boost the country’s innovation capabilities for space exploration and transportation and reduce their associated costs.

In parallel, Dassault Systèmes announced that it is a founding member of the new France-China Business Council, a group of 30 companies spanning industries such as aerospace, construction, food, energy, health and high-tech. The council’s mission is to create synergies between French and Chinese companies and to advise both governments on industry, innovation and digitalization. Other founding members include Airbus, Alibaba, COMAC, Danone Group, Dongfeng Motor Corporation, Huawei, LVMH, Michelin and Sanofi.

“France and China are major stakeholders in a new world where an industrial renaissance is emerging,” said Sylvain Laurent, Executive Vice President, Global Field Operations (Asia-Oceania), Worldwide Business Transformation, Dassault Systèmes. “Dassault Systèmes’ partnership with CASC, signed in the presence of the Presidents of France and of China, as well as our participation in the France-China Business Council, will help drive cooperation between the two countries for industrial and societal transformation. After all, these milestones are rooted in a common commitment to nurture innovation for a more sustainable future.”

Dassault Systèmes has been present in China since 1986 and is strengthening its footprint in the country, which is home to the largest manufacturing sector in the world. In addition to hosting its annual “Manufacturing in the Age of Experience” event in Shanghai, Dassault Systèmes works closely with more than 100 Chinese partners to advance the digital transformation of manufacturing, accelerate the development of small and medium-sized businesses, cultivate 3D talent, develop sustainable cities, and sustainably innovate in 12 industries using the 3DEXPERIENCE platform.

 [Click here to return to Contents](#)

CIMdata PLM Industry Summary

Eurostep and AVIC Digital announce partnership

12 December 2017

Eurostep and AVIC Digital, of Beijing China, announced that they have entered into a partnership. The partnership will primarily provide Chinese based companies in the aviation industry with integration solutions based on ShareAspace.

“The need to integrate and collaborate inside organizations and in external business networks is rapidly increasing in China”, says Håkan Kårdén, CEO Eurostep Group. “As China is moving into advanced Systems Engineering and PLM collaboration there is a market for ShareAspace and standards like PLCS to enable the Model Based Enterprise and extending it across the value chain. We are looking forward to jointly grow business in China based on the unique skills and network of AVIC Digital and Eurostep’s software and services” ends Mr Kårdén.

AVIC Digital has relations with many of the leading engineering software organizations in PLM and systems engineering. With an increasing need to support systems engineering, PLM collaboration and integration across the product’s lifecycle it is a natural step to add ShareAspace to the list of software applications supported by AVIC Digital.

 [Click here to return to Contents](#)

Faurecia and Accenture Join Forces to Reinvent Onboard Experience for Connected and Autonomous Vehicles

5 January 2018

Faurecia and Accenture announced they have signed a memorandum of understanding for a five-year collaboration to accelerate innovation for mobility services.

Faurecia and Accenture will combine their innovation expertise and co-invest to develop products and services for connected and autonomous vehicles. They will focus initially on two areas: cognitive technologies to reinvent the on-board user experience, and services to enhance health and wellness.

They also intend to leverage digital technologies such as artificial intelligence (AI), advanced analytics, augmented and virtual reality, blockchain and quantum computing to further accelerate Faurecia’s digital transformation. Their expertise for these initiatives will be organized within a “digital services factory.”

“This ground-breaking partnership between two leading players in their fields will take the use of artificial intelligence and data analytics to the next level in the automotive industry,” said Patrick Koller, Chief Executive Officer of Faurecia. “We will accelerate the transformation of our operations and develop new business models and user experiences for the Cockpit of the Future. This partnership will allow Faurecia to be more innovative and agile in the rapid introduction of new technologies, particularly for enhanced health and wellness and intuitive human-machine interfaces.”

Pierre Nanterme, Accenture’s chairman and CEO, said, “Innovation creates a virtuous circle enabling companies to secure current growth, while freeing up the capital needed to invest in new products,

CIMdata PLM Industry Summary

services and business models to sustain future growth. This is exactly what we are doing through this pioneering partnership with Faurecia. By combining Accenture's ability to turn disruptive technologies into business results with Faurecia's expertise in leading-edge automotive technologies and our two companies' common focus on innovation, we intend to invent the future of the automotive industry."

With drivers spending up to 500 hours a year, on average, in their cars and the continuing progress in the field of self-driving vehicles, car interiors will become an extension of the home and office, providing a similar experience and range of services. The alignment of Faurecia and Accenture around this vision will drive the success of this innovative and ambitious partnership. This collaboration illustrates what Accenture refers to as Industry X.0, the profound shift of industrial manufacturing to digital products and services that will increasingly require new methods and processes to produce and deliver them as well as support them in the field.

 [Click here to return to Contents](#)

Infor Retail Born out of NRF

9 January 2018

Infor today announced significant momentum for its retail division. In 2015, Infor was an early pioneer of providing modern applications that included cloud native software suites, beautifully designed user experiences infused with world-class science, and tailored to industry-specific needs – but at the time retail was not yet an industry of focus. The Infor Retail division was launched at NRF's 2015 Big Show from a series of meetings with select retail partners struggling to grow their business, and find modern applications that were not anchored by codified legacy business processes from the mid 1990s; pre social, pre mobile, pre web, pre machine learning. Infor is proud to announce that the 2018 NRF Big Show marks the 3rd anniversary of Infor Retail's journey to reinvent retail.

The initial NRF meetings in 2015 revealed that retailers were looking for an alternative to the repurposed legacy solutions available in the market. "Infor was in a unique position to provide these solutions as we had developed an unfair advantage with Hook and Loop, an in-house design agency, and Dynamic Science Labs for machine learning science," said Corey Tollefson, Senior Vice President, Infor Retail. "The timing was perfect for Infor to enter the retail market because these capabilities combined with our commitment to native cloud solutions allowed Infor to leapfrog the competition with a next generation omni-channel suite."

The growth of Infor Retail from those 2015 NRF meetings is historic. Infor Retail has grown from a couple of team members in North America to more than a thousand people across North

America, Europe, Australia, and New Zealand focused on the retail revolution. Since NRF's 2015 Big Show, Infor has launched an omni-channel suite of cloud native, generally available solutions including:

- Machine Learning-based supply chain solutions that understand omni fulfillment when placing inventory
- Mobile-centric store associate platform that supports point of sale, endless aisle ordering, BOPUS, ship-from-store, and clientelling
- Omni-channel pricing and promotion execution engine that delivers consistent offers across

CIMdata PLM Industry Summary

channels

- Procure-to-Pay platform built on a global commerce network to better negotiate and confirm orders with suppliers and trading partners
- Digital sourcing and fulfillment network with global visibility to merchandise across from the factory floor of suppliers to brick and mortar stores

Infor's Retail division now supports more than 2,500 global fashion, retail, and grocery brands who work with Infor to modernize operations and take advantage of the latest consumer and business technologies - mobile, social and cloud.

"Ongoing research at IHL indicates that retail is rapidly shifting to the cloud. Retail is at a point of fundamental transformation. Infor is one of the companies investing in changing the way retail works," said Jeff Roster, Vice President of Retail Strategy, IHL Group.

The market needs identified in those crucial NRF meetings in 2015 are available today. Visit the Infor Retail booth at NRF's 2018 Big Show to learn more about how Infor can help better solve customer problems with appealing omni experiences in a profitable way.

 [Click here to return to Contents](#)

National Association Of Professional Women Inducts Shahrzad Zarkoob, Ph.D., Sr. Manager BEX At Johnson & Johnson Vision, Into Its VIP Professional Woman Of The Year

10 January 2018

[The National Association of Professional Women \(NAPW\)](#) honors Dr. Shahrzad (Sheri) Zarkoob as a 2017-2018 inductee into its VIP Woman of the Year Circle. She is recognized with this prestigious distinction for leadership in business. NAPW is the nation's leading networking organization exclusively for professional women, boasting more than 850,000 members, a thriving eChapter and over 200 operating Local Chapters.

"I'm pleased to welcome Sheri into this exceptional group of professional women," said NAPW President Star Jones. "Her knowledge and experience in her industry are valuable assets to her company and community."

An amateur photographer, Dr. Shahrzad (Sheri) Zarkoob has always had a passion for helping people to see better. For nearly seven years, she has held the role of Senior Manager BEX (Business and Operational Excellence) at Johnson & Johnson Vision. A Certified Six Sigma Master Black Belt, she is responsible for product life cycle management.

Using her skills in product development, technical marketing, portfolio management, and product and process improvement, Dr. Zarkoob is instrumental in ensuring the company's success in these areas. She also plays a significant role mentoring other women, which she finds extremely satisfying. "The opportunity to work on diversity and inclusion networks focusing on professional development of women is very rewarding," she said.

Dr. Zarkoob is looking forward to continuing to be involved in the mission of diversity and inclusion and hopes to eventually expand her work in these areas by joining a nonprofit.

Awards & Accomplishments:

CIMdata PLM Industry Summary

Ph.D., University of Akron; Certified Six Sigma Master Black Belt

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OurCrowd Launches \$100M Cognitiv Fund

11 January 2018

OurCrowd today announced the launch of Cognitiv, a specialized \$100 million global fund focused on early-stage companies that leverage AI, deep-learning, IoT, robotics and digital manufacturing to become tomorrow's category leaders. Cognitiv is the 12th fund to launch for funding on OurCrowd's platform and will give investors access to approximately 20 companies, with initial investments in EquityX, KolGene and FreshKeep.

Cognitiv is a direct result of the success of OurCrowd First, the first fund entry by OurCrowd, raising approximately \$12 million, closing in May 2016. Cognitiv is led by three storied entrepreneurs, collectively responsible for creating value in the billions of dollars. Cognitiv's newest General Partner, Avi Reichental is the former President and Chief Executive Officer of 3D Systems, (NYSE:DDD) and brings decades of executive leadership in late stage global corporations. Reichental partnered with OurCrowd First's Eduardo Shoval and Yori Nelken, both of whom come with highly successful track records in early-stage company-building and investment.

"AI powered transformation is poised to disrupt and automate every sector in business – from healthcare and financial services to agriculture and manufacturing and could create the largest transfer of wealth in recorded history," said Avi Reichental, General Partner at Cognitiv. "Having built successful businesses ourselves, we understand that what looked impossible just yesterday, is fast becoming tomorrow's reality. That is why we are seeding and scaling the very businesses that we believe are harnessing the power of cognitive technology to become tomorrow's category leaders."

"We are thrilled to partner with Cognitiv and once again work together with Eduardo, Yori and Avi to launch a fund that is at the intersection of tech disruption and wealth creation," said Jon Medved, OurCrowd Founder & CEO. "This growth from \$12 million under management to a proposed new \$100 million fund is reflective of the rapid and dramatic growth of the fund management business within the OurCrowd platform and underscores our expanding global reach and the power and vibrancy of our unique ecosystem."

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PROS Continues Global Growth with Expansion in Sofia

11 January 2018

PROS® today announced plans to expand its offices in Sofia, Bulgaria, to accommodate its growing business. The company has leased two floors in the new 20-story TELUS Tower, located in the city's Central Business District. PROS will occupy 2,134 square meters or 22,970 square feet, more than doubling its existing footprint, with space that will accommodate up to 200 employees. The company plans to occupy the offices in February 2018.

CIMdata PLM Industry Summary

“We have a strong team in Sofia and a commitment to investing in our presence as we expand our European operations to better serve our customers,” said Sebastian Mamro, PROS Vice President, Professional Services, and the executive-in-charge for the region. “Across the board, our employees are thrilled with the new location, and they’re looking forward to enjoying the amenities in the vibrant Macedonia Square, near the city center. The TELUS Tower offered an excellent fit that accommodates the unique needs of PROS as a growing technology company.”

The company operates additional offices across the world in the Americas, Europe and the Asia-Pacific region.

 [Click here to return to Contents](#)

Samsung Recognized for Sustainability Initiatives by the U.S. Environmental Protection Agency

11 January 2018

Samsung Electronics Co., Ltd. announced today that it has received two awards for its sustainability initiatives by the U.S. Environmental Protection Agency (EPA). The EPA awarded Samsung with the 2017 Cutting Edge Champion Award for its innovative Galaxy Upcycling program, and honored the company’s U.S. e-waste collection efforts with the Gold Tier Award for the fourth consecutive year.

The Galaxy Upcycling program allows Galaxy phone owners to retrofit the hardware and software of antiquated, used Galaxy phones into new technology products such as closed circuit TVs, gaming consoles, and IoT devices. The program puts the tools for transforming devices into new technology in consumers’ hands by providing them with necessary software changes and suggested hardware changes that enable new functionality. The program was created from the company’s innovation hub, C-Lab; and will launch in 2018. The Cutting Edge Champion Award was presented to Samsung for the Galaxy Upcycling program’s innovative and environmentally responsible ways to use a product’s materials throughout its entire life cycle. Samsung has been the exclusive honoree of the Cutting Edge Champion Award since the award’s inception in 2017.

“In an effort to curb e-waste and extend the lifecycle of our existing technology, we introduced the Galaxy Upcycling program which repurposes technology resources into new devices,” said Michael Lawder, Senior Vice President of Customer Care at Samsung Electronics America. “We’re honored to receive the Cutting Edge Champion Award for this program and our efforts to extend a products’ life-cycle by repurposing its functionality.”

The second distinction was given to Samsung for the company’s long-term commitment to the proper recycling of e-waste in the U.S. In 2016, the company’s electronics recycling program collected and responsibly recycled over 118 million pounds of e-waste in the U.S., which made it one of the world’s biggest collectors of e-waste. Samsung is being recognized in this category for the fourth year in a row.

“Samsung’s creative reinvention of old electronics through their unique upcycling program is environmental ingenuity at its finest,” said EPA Administrator Scott Pruitt. “I commend Samsung for their innovative efforts to turn old smartphones into new technology products, and I encourage others to follow their lead.”

The awards were presented today in Las Vegas at a ceremony during CES 2018.

 [Click here to return to Contents](#)

Simparel Rebrands as EXENTA Reflecting its Business Transformation

9 January 2018

Simparel has rebranded as EXENTA. Company leadership made the move after recognizing that the legacy name, which stood for “simply apparel”, no longer adequately reflected its value proposition nor met the needs of the growing and fast-developing company that EXENTA has become.

“Sure, we could play it safe and continue with our legacy name,” explained EXENTA President and CEO Roberto Mangual. “But when you know in your heart you’re an entirely different company, one without limits, the old, the safe, the boring no longer works. EXENTA today is one of the most exciting enterprise software companies in the fashion industry. Comprised of warriors willing to go the limit for our clients we have the world-class ERP solutions combined with uncompromising servicing support.”

The EXENTA brand is also complemented by the new company positioning line “Without Limits”, which is a close translation of the Spanish word Exenta.

Other key drivers for the rebranding include the company’s recent exponential revenue growth, expansion into more fashion and soft goods industry verticals (footwear, home, jewelry, technical textiles, etc.), opening of international markets, development of a uniquely talented and experienced team, and continuous agile product development that has resulted in end-to-end solutions that are unsurpassed in the industry.

While the complete Simparel product line carries forward, branding has also been sharpened and simplified to better communicate positioning and value. New product branding is as follows:

- EXENTA™ ERP: end-to-end business management solution for all internal and supply chain processes.
- EXENTA™ PLM REVO™ – cloud/web-based Product Lifecycle Management (PLM) solution available as an integrated component of EXENTA Enterprise or as a standalone solution
- EXENTA™ Shopfloor – tablet-based Shop Floor Control (SFC) solution featuring real-time data collection, production management tools, and incentive payroll capabilities.

 [Click here to return to Contents](#)

Toyota Motor Europe and Dassault Systèmes Collaborate on Next Generation Digital Marketing

8 January 2018

Dassault Systèmes and Toyota Motor Europe have signed a three-year contract to collaborate on an optimized digital production process to create next generation digital marketing solutions for all new car launches in Europe. These solutions will feature localized and personalized content targeting consumers seeking new, customized experiences in the car buying journey.

With Dassault Systèmes’ “Virtual Garage” industry solution experience, Toyota Motor Europe can leverage 3DEXCITE high-end visualization applications for automated and integrated digital marketing

CIMdata PLM Industry Summary

asset production processes. Toyota Motor Europe can use its engineering data to create high-impact assets featuring virtual representations of vehicles that communicate emotional brand and product themes to its target audiences.

Thanks to automated end-to-end asset production processes, consumers can experience brochures, online video content, web configurators, and other assets featuring new vehicle models or colors that are localized for preferences in specific markets or personalized to individual customer tastes, accommodating nearly any product requirement with high quality, consistency and accuracy.

Digital technology is increasingly influencing how consumers shop, and the automotive industry seeks to leverage this trend to more closely connect with and engage consumers. Whether consumers are casually exploring vehicles for the first time or nearing a purchase decision, they want to be inspired, with access to the right information at their fingertips.

“In TME, we are constantly improving our consumer-centric approach and recognize that a lean and flexible digital asset production process is key to supporting mass customization,” said Alex Carnazza, Manager, Web Content & Brochures, Marketing Communications, Toyota Motor Europe. “Dassault Systèmes’ vision allows us to prepare for a robust digital strategy aimed at gaining a competitive advantage in terms of costs, time, quality, scalability, integration and agility when producing digital marketing assets.”

“Dassault Systèmes is helping Toyota Motor Europe connect data, people and ideas to create excitement and emotion with consumers early on in the purchase experience,” said Olivier Sappin, Vice President, Transportation & Mobility Industry, Dassault Systèmes. “Going forward, we will work with Toyota Motor Europe to explore how the 3DEXPERIENCE platform can bring additional value and further enrich these unique experiences through onsite services and solutions.”

 [Click here to return to Contents](#)

Events News

Exenta to partake in Colombiatex 2018 tradeshow

9 January 2018

Exenta (formerly Simparel) will partake in the Colombiatex 2018 tradeshow, to be held from January 23 to 25, 2018, in Medellin, Colombia, in booth #126. Colombiatex is an expo of textiles, specialised solutions, supplies, chemicals, and machinery.

The company will showcase its latest advancements and provide hands-on demonstrations of its industry-leading Shop Floor Control (SFC), ERP, and PLM solutions.

At Colombiatex, Exenta will highlight a new advanced payroll module with face check for its Exenta Shopfloor real-time shop floor control solution. These advancements incorporate leading-edge facial confirmation technology with an all-new advanced payroll module. The facial confirmation technology works with the system’s Android tablets to add security, speed up the clock-in process, and streamline employee verification.

CIMdata PLM Industry Summary

Exenta PLM REVO, the all-new Product Lifecycle Management (PLM) solution, delivers a cloud/web-based platform that effectively redefines the user experience by enhancing design creativity and productivity, automating tasks and processes, and providing easy to understand analytics that drive more-timely and better-informed business decisions across the product design, development and production processes.

In addition to a host of new usability and productivity enhancements, Exenta Enterprise now has an all-new, fully integrated financial management module. By recording and tracking every meaningful financial transaction occurring throughout the internal and supply chain operations, it enables companies to quickly access, query, and [report](#) from a single, always up-to-date record of all their finance and accounting activities.

Exenta president and CEO Roberto Mangual said, "We look forward to another excellent Colombiatex show and to meeting with the many international business leaders that attend this important event. As our Shop Floor Control solution is already very popular in Colombia and the region, we are excited to showcase the many significant developments we have made to this product in recent months. We will also feature a wide range of new enhancements to our ERP and PLM products that we believe make it a perfect fit for companies in Latin America. We invite all attendees to visit our booth to learn how they can leverage these innovative technologies to transform their businesses."

[↑ Click here to return to Contents](#)

LiveWorx 2018 – June 17-20, 2018

8 January 2018

Today PTC sent out a Save the Date for the 2018 LiveWorx. The technology conference will take place June 17-20, 2018 in Boston, MA, USA. More information coming soon.

[↑ Click here to return to Contents](#)

Logility and NGC Software Solve Complex Retail Challenges at NRF 2018

12 January 2018

Logility, Inc. and NGC® Software invite attendees of the NRF 2018: Retail's Big Show to stop by booth #2520 to experience a strategic, tactical and operational planning and execution platform that simplifies the complex challenges of today's omni-channel retail environment.

Retailers must operate with ever-increasing speed to stay ahead of rapidly changing consumer preferences. This requires comprehensive multi-enterprise visibility across internal departments and external organizations including partners, suppliers and channels. Retailers must also transform enormous volumes of structured and unstructured data to analyze multiple business scenarios and prioritize appropriate actions. Through advanced analytics and proven algorithmic engines, the Logility Voyager Solutions™ and NGC Andromeda™ platforms help retailers make better decisions faster. With the increased visibility that brings together merchandise, assortment, allocation and replenishment planning with product development, sourcing, compliance and quality onto a collaborative platform,

retailers can ensure the right merchandise is in the right location at the right time.

“Making better decisions faster combined with the ability to confidently execute your plans drives a long list of benefits for retail businesses,” said Allan Dow, president, Logility. “Surprisingly, many retailers still run their businesses with a combination of time-intensive disconnected homegrown solutions, spreadsheets and legacy enterprise tools that inhibit the rapid insights, planning and execution needed to cost-effectively respond to quickly changing market needs. Leading organizations including Ashley Furniture, Jockey, Carter’s, Groupe Dynamite, Caribou Coffee and VF Corporation, leverage our solutions to help increase visibility, accelerate product development, and position merchandise to drive profitability and consumer satisfaction.”

 [Click here to return to Contents](#)

Financial News

Infosys announces results for the Quarter ended December 31, 2017

12 January 2018

Reported year-on-year revenue growth of 8.0% in USD terms for the quarter and 24.3% operating margin

Highlights of financial results for the quarter and nine months ended December 31, 2017

- Q3 revenues grew year-on-year by 8.0% in USD terms; 5.8% in constant currency terms
- Q3 revenues grew sequentially by 1.0% in USD terms; 0.8 % in constant currency terms
- Q3 operating margin improved to 24.3% from 24.2% in Q2 18
- Q3 EPS at \$ 0.35, year-on-year growth of 46.1% and sequential growth of 38.2%
- Q3 EPS of \$ 0.35 includes positive impact of \$ 0.10 from Advance Pricing Agreement (APA) with the US IRS
- 9 months year-on-year revenue growth at 6.5% in USD terms; 5.6% in constant currency terms
- Q3 cash flow from operating activities were at \$ 657 mn, compared to \$ 441 mn in Q2 18
- Utilization excluding trainees at all-time high of 84.9%
- Q3 standalone attrition declined to 15.8% from 17.2% in Q2 18
- FY 18 revenue guidance in constant currency retained at 5.5%-6.5%
- FY 18 operating margin range unchanged at 23%-25%

To view the full release, please visit: <https://www.infosys.com/investors/reports-filings/quarterly-results/2017-2018/q3/Documents/IFRS-USD>

 [Click here to return to Contents](#)

Implementation Investments

AMC Bridge Implemented Windchill and ZWCAD Integration for a Global Manufacturing Company

10 January 2018

AMC Bridge helped a global multibillion-dollar company that designs and manufactures connectivity and sensor products to maintain efficient design and manufacturing process by implementing seamless PTC® Windchill® and ZWCAD™ integration.

Regular infrastructure updates and usage of various software packages is essential for successful product design and management. To leverage the full potential of the newly acquired ZWCAD software, the client needed to implement bi-directional connection between it and Windchill, the company's primary PLM tool, in the same manner as it had already been implemented for other CAD packages.

Due to the extensive expertise in creating CAD/PLM interoperability workflows along with partnership agreements and experience with APIs of the top engineering software vendors, AMC Bridge was selected to provide the solution.

As a result, AMC Bridge has developed 'Windchill Workgroup Manager Adapter for ZWCAD' as an add-in that allowed the client's engineers to manage their design data within a single environment, avoiding the risk of failures in the design and manufacturing process.

 [Click here to return to Contents](#)

EnterWorks Uses Dassault Systèmes' 3DEXPERIENCE Platform to Extend Master Data and Product Information Management for 3D Virtual Reality in Retail Stores

12 January 2018

EnterWorks is driving new retail experiences with the help of Dassault Systèmes' 3D merchandising solutions for brick and mortar stores that have suffered in competing with their digital counterparts. While many retailers have struggled to design and execute effective omnichannel strategies, EnterWorks and Dassault Systèmes have started to roll out their shared vision across U.S. and European markets.

Named Storeytelling, the innovative solution recaptures the essence of merchandising and product stories in creating compelling visual experiences, linking virtual reality to assortment planning and planogramming, and ultimately enabling a mobile, augmented shopping reality for in-store.

“By combining technologies for localized assortments and planograms, visual store shelves with ecommerce searchandizing, and a customer's shopping list with a mobile reality, we are launching the next, practical wave of physical and digital convergence,” said EnterWorks CEO Rick Chavie. “As resources have been diverted to digital marketing and ecommerce, merchants have lacked the technologies that enable them to effectively tell their brand and product stories. Our concept offers tools to the merchant so they can successfully bring their product line-up to life and drive customers from online to in-store.”

Dassault Systèmes, the 3DEXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations and is a world leader in 3D design software, 3D Digital Mock Up, and Product Lifecycle Management (PLM) solutions. The company offers its advanced technologies across industries, taking collaboration and visualization to a new level.

CIMdata PLM Industry Summary

“The retail industry is embracing the potential of 3D reality today, whether it is in designing products, stores, or the consumer experience itself,” said Philippe Loeb, Vice President of Consumer Packaged Goods & Retail for Dassault Systèmes. “We are pleased to team with EnterWorks in helping merchants deal with the fast pace of change in consumer expectations. Merchants are eager for technology that helps them converge digital with physical in products and stores.”

According to Chavie, the great opportunity today is for retailers and brands to:

- Create great customer moments by converging a store’s physical assets with online and mobile to generate a new shopping reality;
- Empower the next generation of visual merchants through the seamless integration of 3D and Virtual Reality technologies;
- Leverage current technologies in end-to-end support for 3D visualization and technology such as category management, space management, and master data management for products, customers, and physical/digital assets, mobile, and ecommerce; and
- Provide Augmented Reality for a retailer’s mobile application that provides a new wayfinding approach for customers who have yet to memorize all product locations!

Save the date and time for EnterWorks’ Big Idea Session, “Storeytelling: A new virtual & augmented shopping reality @Scale,” at the National Retail Federation’s Big Show featuring EnterWorks and Dassault Systemes.

Sunday, January 14, 2018

1:00 p.m. – 1:30 p.m.

Expo Hall, Room 1, Level 1

Jacob K. Javits Convention Center

NYC, NY

 [Click here to return to Contents](#)

Plantagen Sows Seeds for Growth with Infor

8 January 2018

Infor today announced that Nordics-based garden retailer, Plantagen, has selected Infor to support its digitalization strategy. Comprising Infor CloudSuite™ Food & Beverage; Infor PLM Optiva; Infor Demand Planner; Infor Ming.le™ and Infor ION®, the solution is expected to deliver greater visibility, productivity and efficiencies across the whole supply chain for the retailer, and will go live for 1,000 users in 2018.

With 135 retail outlets across Sweden, Norway and Finland, and a wholesale business supporting 600 retail locations, Plantagen is expanding rapidly, and following a major acquisition, embarked upon a program to modernize its systems. The retailer selected Infor based on its ability to provide a modern, easy-to-use platform for growth as well as scalability and flexibility.

With functionality spanning the entire supply chain, from manufacturing through to the shop floor, where employees use handhelds to input information on stock, transfers and returns, Plantagen anticipates that the solution will facilitate better planning, more precision across product lifecycle

CIMdata PLM Industry Summary

management, and reduced costs. Infor ION® will help ensure full integration with other non-Infor systems, while Infor Ming.le™ helps ensure that the user experience is seamless.

"As a business we recognize that digitalization is intrinsic to growth, and Infor is a key part of our strategy to become a digital leader," comments Susanna Liljeqvist, CIO, Plantagen. "In any retail environment, you live or die by the quality and consistency of the customer experience, and through delivering greater visibility and insights at every stage of the product lifecycle, we hope to enhance this and leverage our new capabilities to embrace a fully omni-channel business model."

"Infor's retail experience and cloud expertise means that we have both the scale to support our ambitious growth plans, together with the detailed insight to support the nuances of our industry sector, and in partnership, we are looking forward to the next chapter in our journey."

"We recognize that the demands of a fashion or fresh produce retailer vary significantly from a plant and landscaping retailer, and it is this understanding which has enabled us to deliver solutions which support the specific needs and nuances of organizations in different retail environments," comments Jason Berry, VP, EMEA - Retail, Infor. "Plantagen has a complex retail and wholesale model, with plans to add an e-commerce dimension to provide a true omni-channel experience, so having a system which brings together all processes - from design and manufacturing to supply chain and the shop floor - is crucial in capitalizing on the opportunity and exploiting digitalization to garner market share."

 [Click here to return to Contents](#)

Superdry Signs with Centric Software Aiming at strategic and operational digital transformation

9 January 2018

Superdry has selected Centric Software to provide its Product Lifecycle Management (PLM) solution.

Scott Robertson, Head of Business Transformation at Superdry, explains that the company has been aware of their need for a PLM system for some time.

"We've evolved from having two separate parts to our business, retail and wholesale," he says. "We were almost designing two separate ranges because each timeline was very different and some products overlapped. About two years ago, we started consolidating the retail and wholesale business in a global range, reducing the total number of options we create, and putting new ways of working in place. Getting a PLM system was the next step on our roadmap to support the change."

"We were working with Excel and email, using literally thousands of different spreadsheets. There was no single source of the truth, and people spent too much time trying to find information rather than doing value-added activities. We had no clarity, and couldn't track how many options we were developing during product development. However, we believe that PLM

would bring visibility and streamline the whole process."

As Robertson explains, "It was important for us to get a system that users actually want to adopt. Our selection team included a wide range of users across different departments - designers, merchandisers, category managers, garment technologists, sourcing teams, production teams - and every single one of them selected Centric as their preferred solution."

"Superdry is focused on design detail, and obsessed with quality, fit and innovation," continues

CIMdata PLM Industry Summary

Robertson. "Centric will help us to support these areas; we will be able to do sampling and fit reviews much more quickly and easily. Connecting with Adobe Illustrator is important, as it gives our designers the ability to collaborate more efficiently and provides visibility into the design process for category managers throughout the season."

"One example of this is that it takes the design team up to a week to prepare for reviews because they have to print everything out and create storyboards. All of that will be accessible in PLM with the press of a button, saving them a week of effort four times a year. This will be a massive improvement, and an example of how we can invest our time into product development, design, improving quality and attention to detail."

"We are delighted to welcome Superdry on board as our largest customer to date in the United Kingdom," says Chris Groves, President and CEO of Centric Software. "Superdry is at a very exciting, forward-looking phase in their global development, and we are very pleased that they have selected Centric PLM to streamline and accelerate their product development process."

 [Click here to return to Contents](#)

Product News

Boon Edam Partnering with BIMsmith to Provide BIM Content to Building Designers

10 January 2018

Boon Edam today announced the availability of Building Information Modeling (BIM) content for its products through an exciting partnership with BIMsmith®, a building product data platform that offers a suite of free cloud tools for architects and designers.

By offering expertly crafted BIM content that integrates seamlessly with leading North American design program Autodesk Revit, Boon Edam closes an important efficiency gap for architects and designers, allowing them to insert robust digital models of Boon Edam products into their designs quickly and easily.

Through a partnership with the building industry experts at BIMsmith, Boon Edam's revolving doors and secure barrier solutions can now be found by architects on BIMsmith Market, a comprehensive cloud library of product data including BIM files, specifications, AutoCAD files, and data sheets from building product manufacturers. With these files now easily accessible, architects and designers can integrate Boon Edam products into their projects without costly interruptions in their workflow.

"As experts in optimizing the flow of people through spaces, we at Boon Edam place a high value on efficiency," said Tracie Thomas, Vice President of Marketing at Boon Edam Inc., USA. "We're very pleased to have our BIM files available on a platform that is integrated with a popular design tool like Autodesk Revit; now designers can easily select and insert a Boon Edam entrance into a building design with a few clicks of a mouse. Having our products available within a designer's workflow will always be a top priority for us."

“The name Boon Edam brings with it a long history of engineering and design excellence,” said Benjamin Glunz, CEO of BIMsmith. “We are thrilled that thousands of building industry pros can now access Boon Edam’s products through our tools.”

Browse and download Boon Edam’s products for free on BIMsmith Market

at: <https://market.bimsmith.com/boonedam>

 [Click here to return to Contents](#)

CGTech Release VERICUT Version 8.1.2

9 January 2018

CGTech is now shipping version 8.1.2 of VERICUT CNC machine simulation and optimisation software.

In addition to new features making it more powerful and easier to use, more than 150 customer-driven enhancements and software requests have been implemented in version 8.1.2.

“We have thousands of customers and their needs vary greatly,” said Tony Shrewsbury, CGTech Managing Director. “VERICUT is designed to meet the needs of all types of shops – from the small job shop with simple parts, to the OEM and Tier 1 supplier that regularly pushes the limits of CNC technology. VERICUT is constantly refined to provide the flexibility and tools our customers need.”

CGTech explains that VERICUT is CNC machine simulation, verification and optimisation software that enables users to eliminate the process of manually proving out NC programs. It reduces scrap loss and rework. The program also optimises NC programs in order to both save time and produce higher quality parts that are dimensionally more accurate, and have better surface finish. VERICUT simulates all types of CNC machine tools, including those from leading manufacturers such as DMG MORI, Mazak, Makino, Matsuura, Hermle, Heller, and Chiron. VERICUT runs standalone, and easily integrates with all leading CAM systems such as Dassault Systemes CATIA, Siemens PLM NX CAM, Delcam PowerMill, Vero EdgeCAM, Open Mind hyperMILL, DP Esprit and Missler TopSolidCAM.

According to CGTech, users can optimise more complex NC programs, including looping, branching, IF/THEN, and DO-WHILE code, while retaining all decision-making logic. Optimised NC programs and subroutines are ready to run with no edits by the user. Force Charts that graphically document the cutting process are enhanced with higher fidelity, so they can display even tiny material volumes and forces encountered.

Other improved features in 8.1.2 are described as:

- Ability to stop at specific variables when they are set, or changed.
- Options for automatically performing AUTO-DIFF comparisons, and output summary of AUTO-DIFF results to VERICUT reports.
- Support added for 3DEXPERIENCE 2017X, ESPRIT 2017, NX12.
- New calculation and reporting of Die Sinking electrode contact areas.

CIMdata PLM Industry Summary

- VERICUT Help Library and supporting documents in HTML- this allows for easier navigation, faster searching, and viewing higher quality images at a larger size.
- Enhanced VERICUT and Tool Manager support non-rotating 3D model tools, such as used in ablation, painting, polishing, and other specialised manufacturing processes.
- Enhanced integrations with Zoller and TDM tooling databases to provide access to complex 3D tooling, and ability to select and deselect specific tools for import

 [Click here to return to Contents](#)

Fortinet Demonstrates Integrated Security and Threat Protection for the Connected Car of the Future at CES 2018

9 January 2018

Fortinet today announced it is exhibiting advanced cybersecurity capabilities for the connected car of the future at CES 2018 in the Renesas Advanced and Autonomous Test Track and Future Ready Solutions Showcase, January 9 – 12 in Las Vegas, Nevada.

- Developed in collaboration with Renesas Electronics, the cybersecurity prototype will demonstrate how the Fortinet FortiOS security operating system integrates with Renesas' R-Car H3 system-on-chip (SoC) to secure vehicle network domains, cloud-based services and applications.
- Fortinet and Renesas have created mock cyber breaches on a prototype connected car at CES, including intrusion prevention system (IPS) attacks and a DDoS (distributed denial of service) attacks to showcase the effectiveness of automated, integrated security to protect drivers from intruders taking control of their vehicle or applications.

Automated Security is Foundational for Technology and Safety Systems of the Connected Car

By 2025, it is projected that there will be 300 million connected cars up from 37 million in 2016, with annual revenues for connected car equipment and associated services to surpass \$250 billion.ⁱ Key factors driving the global connected car market are increasing demand for self-driving features, implementation of data-driven decision-making, and connectivity solutions within the vehicle, such as access to smartphone features, music on-demand, Internet connectivity and infotainment in vehicles.

A connected car is equipped with Internet access and a wireless local area network (LAN), allowing drivers to share Internet connectivity with other devices both inside and outside the vehicle. To provide suitable cyber protection and ensure consumer confidence, automobile manufacturers need to design and deploy technology with a security-first mindset. Security systems need to span across communications standards, devices, and networks. They also need to extend visibility, interaction and control beyond a single vehicle to include the larger transportation ecosystem, including road and traffic control systems.

Connected cars require several different security solutions working as a single system and therefore need to include strategic segmentation of key function domains, such as powertrain, telematics and infotainment to ensure that threats are automatically contained and mitigated. Another key requirement

CIMdata PLM Industry Summary

is a real-time threat update system, like Fortinet's FortiGuard Labs, where the latest vulnerability and threat information can be fed to the vehicle to provide effective and automated protection. This also includes connecting back to a cloud network to share and correlate events to receive timely security patches and updates.

Fortinet and Renesas Demonstrate Security for Connected Car Networks

Fortinet and Renesas have collaborated on a prototype security solution that addresses the major cybersecurity risks in today's connected car network architecture. Recent cyber breaches demonstrate the urgent need for integrated security for these increasingly sophisticated vehicle networks, including the 2015 Jeep Cherokee hack where a hacker group wirelessly broke into the vehicle and electronically controlled vital functions, as well as the more recent Tesla Model S hack of its CAN bus, interfering with the car's brakes, door locks, and dashboard computer from 12 miles away.

At CES, Fortinet and Renesas will show how the Fortinet Security Fabric technology running on the R-Car H3 SoC provides security policy management and automated protection of the powertrain and communication domains in the vehicle, including the LTE module, vehicle-to-vehicle communications module, the wireless access point, the engine control module and more. Supported by the on-chip security functions of the Renesas R-Car H3, Fortinet secures the communications between the domains and sets policies to limit access between certain domains to mitigate and control potential cyber threats. Specific demonstrations of mock IPS and DDoS cyber attacks will show how FortiOS automatically secures the data transmitted from a public cloud service to the in-car entertainment system.

To learn more about the Fortinet/Renesas demo and the Renesas Advanced and Autonomous Test Track and Future Ready Solutions Showcase, please visit <http://renesasatces.com>.

“Automotive engineers from throughout the supply chain look to Renesas for comprehensive solutions that accelerate development cycles and shorten the road to market. Renesas has partnered with Fortinet to help design cutting-edge cybersecurity solutions that aim to provide the level of integrated protection required of tomorrow's connected vehicle. We look to Fortinet as a trusted advisor who can extend its leading knowledge of network security to fit the unique demands and infrastructure requirements of automotive network security systems of the future.” - Amrit Vivekanand, Vice President, Automotive Systems Business Division, at Renesas

“Connected vehicles are the next major technology innovation disrupting the automotive industry. With 3D mapping, sensor processing, smart device integration, cloud-based services, advanced LAN/CAN networks, and autonomous driving defining the connected car of the future, the cyber risks are enormous. And with IoT devices connecting to the car network to access content and applications, the attack surface is even larger. Integrated security is paramount for the safety and consumer confidence in the connected car. Fortinet is extending its global leadership in network security to the automotive industry as manufacturers begin to develop vehicles that require automated security with real-time threat intelligence and strategic segmentation to protect the car's complex architecture. We are excited to collaborate with Renesas and demonstrate secure network solutions that meet the unique requirements of the evolving automotive operating environment at CES.” - Michael Xie, founder, president and chief technology officer at Fortinet

 [Click here to return to Contents](#)

HoloLamp to Unveil Real-Life Optical 3D Illusions at Upcoming Consumer Electronics Show

8 January 2018

HoloLamp, the first portable, glasses-free augmented reality device that creates optical 3D illusions directly in the user environment, is bringing to market new real-life applications for restaurants and real estate. At the 2018 International Consumer Electronics Show, HoloLamp will launch two solutions to enhance both the hospitality dining experience and designing or envisioning home and office spaces.

“In just the past year since introducing our technology, we have recognized the need for specific, practical applications in fields that are stagnant from lack of technological innovation,” said Guillaume Chican, founder of HoloLamp. “The restaurant and real estate industries are ripe for new technology that will not only create better experiences, but also increase efficiency. HoloLamp is making this a reality with our new applications.”

HoloLamp Menu creates a projected tangible interface on each restaurant tabletop so that diners can select and view the dishes directly on the table and in full size 3D. Each selected dish will also feature animated demonstrations performed by an amusing character that tells stories about the dishes being prepared for an outstanding culinary experience. Accompanying 3D scanning technology, based on photogrammetry, shows tasty photo-realistic details, so diners can see exactly what their meal will look like, its portion size and the aesthetic of its preparation, all without needing a paper menu.

HoloLamp is also creating a similar experience in real estate, called HoloLamp Design, by presenting architectural renderings via the portable device. It projects the illusion of 3D buildings directly on the tabletop, with the capability to see the virtual buildings from all angles with the correct perspective. The device also allows natural interactions with the user’s hands, so that he can zoom in and out to see specific details, change the materials and manage 3D assets by simply gesturing his hands. This enables architects, real estate agents, civil engineers and urban planners to replace non-interactive mockups, without needing to wear AR glasses that cut them off from their environment, place a screen uncomfortably close to their eyes or reduce their field of view.

HoloLamp’s technology is changing the game in AR by removing any wearable equipment that constrains the user, and by removing any barrier that traps the 3D content into devices like screens or VR headsets. Using HoloLamp, the 3D content exists directly in the user environment. HoloLamp applications are made with Unity, a leading global game industry software. The plugin uses advanced computer vision and machine learning technology to check and track a user’s position, ensuring that the projection alters the image as users move around.

HoloLamp will begin its first restaurant and architecture deployments in Q2 2018.

 [Click here to return to Contents](#)

Infor Releases New Digital Innovation Enabler for Healthcare Industry

8 January 2018

Infor today announced the availability of the Infor Fast Healthcare Interoperability Resources (FHIR) Bridge. Part of the Infor Cloverleaf Integration Suite, Infor FHIR Bridge delivers a cost-effective

CIMdata PLM Industry Summary

solution for healthcare organizations to realize better healthcare delivery, care coordination, and patient engagement through digital transformation made possible with FHIR®, the standards framework from HL7®.

Infor FHIR Bridge, built on the power and flexibility of the Cloverleaf® Integration Engine, enables healthcare organizations to utilize their current legacy systems and investment to interoperate with FHIR solutions and drive digital innovation. The solution bridges the gap that exists between traditional clinical systems that usually communicate in HL7 v2 or CDA®, and the emerging FHIR based application ecosystem, using a growing library of prebuilt standards adapters. Not only does Infor FHIR Bridge help bridge the gaps in systems' standards support, but it also can address the anomalies and variances between systems that inevitably occur, even when they are using the same standard.

"Infor FHIR Bridge is an intelligent solution allowing us to consolidate data from disparate applications securely and in real-time. The biggest benefit is the reusability of the resources across multiple solutions resulting in timely development and deployment to our customers," said Mike Plesh, Director of Information Technology Integration Services, UNC Health Care.

Additionally, with Infor FHIR Bridge, providers will be able to greatly accelerate their ability to use FHIR the way that they choose rather than their EHR vendor's chosen apps or having to wait for costly and lengthy upgrades. It also greatly augments EHR systems' FHIR capabilities beyond the limited API support that they have today.

With Infor FHIR Bridge, healthcare organizations will be able to streamline care coordination by providing the information providers and patients need, and no more, thus eliminating receiving mass amounts of useless information through CDA documents.

"Infor understands that the need to share information across multiple platforms is paramount to achieving an interoperable infrastructure at health systems across the country," said Mark Weber, senior vice president, Healthcare, Infor. "We continue to innovate and invest in the Cloverleaf suite so our customers can continue to keep their focus on the patient, and ultimately provide safer, more effective care."

For more information please visit <https://www.infor.com/industries/healthcare/>.

 [Click here to return to Contents](#)

PTC and CBX Software Join Forces, Retailers to Gain Competitive Advantages in Product Design, Development & Supply Chain Sourcing

9 January 2018

CBX Software today announced that it has partnered with PTC to offer an innovative solution that the company believes will positively affect the entire Retail Industry. CBX Software and PTC have collaborated to deliver one of the most comprehensive end-to-end private brand, product lifecycle management (PLM) and sourcing platforms in the industry. The solution will provide the Retail Industry with a single dominant solution for their Design, Development, Sourcing, QA, Supply Chain and Logistics needs. Utilizing the PTC ThingWorx® Retail Connector, the solution integrates the PTC FlexPLM® software with the CBX Cloud to offer the retail industry a single collaborative platform with true product life-cycle end-to-end capabilities. "The Retail Industry has been asking for a single collaborative platform for years and CBX Software is meeting the challenge by providing a system that

CIMdata PLM Industry Summary

goes above and beyond anything in the market today. The integration of CBX Cloud with PTC FlexPLM will offer extension and depth to the traditional PLM offerings by enabling users to bridge the gaps for supplier management, supply chain sourcing, quality, compliance, work-in-progress (WIP), order follow-up, production and logistics,” says Michael Hung, CBX Software, CEO.

The integration of CBX Cloud with PTC FlexPLM enables retailers to scale private brand assortment, increase market share and deliver products to market ahead of consumer expectations. With this full suite solution, the Retail Industry will no longer need to piece together solutions from multiple software providers to achieve end-to-end success.

Competition is fierce within the Retail Industry. With savvy consumers and constantly changing trends, staying competitive means finding ways to quickly meet consumer demand. Consumers want variety, fashion, and quality along with socially responsible product development at a cost-effective price. Successful global retailers have a strong sense of consumer requirements and are able to effectively respond with shorter product lifecycles. The integrated platform from CBX and PTC is a complete platform for retailers, manufacturers, distributors and their trading partners. “PTC continues to strengthen its retail platform through collaboration with industry partners, establishing solution synergy that leverages world-class offerings to extend our overall offering,” said Brion Carroll, vice president global business development, PTC Retail Business Unit. “The collaboration with CBX Software leverages our ThingWorx Retail Connector to support fluid connectivity adjoining FlexPLM’s functional footprint with the downstream profile of CBX Cloud to deliver broad solution value to our customers and market.”

The retail industry calls for increased collaboration across internal cross functional teams and their supplier base for improved speed-to-market capabilities and efficiencies. This integration enables retailers to reduce new product development, delivery cycle times, reduce supply chain costs, reduce lost sales due to reduction in out-of-stock merchandise and reduce in-store inventory supply. By reducing cycle times and costs, the retail industry can achieve greater brand loyalty by delivering innovative, quality products to market ahead of consumer expectations.

 [Click here to return to Contents](#)

PTC Focuses on Next-Generation Licensing for the Automotive Industry

10 January 2018

PTC announced accelerated plans to help automotive companies convert their existing PTC software assets to subscription licenses, as well as develop next-generation vehicles using the

ThingWorx® Industrial Innovation Platform as a product development/production platform.

For decades, PTC has served many of the leading companies in the industry, providing a robust product development/production system platform that has spurred innovation and improved operational efficiency. Today, the next-generation vehicle development environment is moving at unprecedented speed, and PTC believes converting to subscription licenses will enable customers to flexibly adapt to changing business requirements.

In 2002, PTC began providing Creo® 3D CAD software and Windchill® product lifecycle management (PLM) software to Toyota to enhance the company’s product development efforts, as well as improve its manufacturing efficiency and quality. The automotive OEM has gained wide-ranging benefits, and

CIMdata PLM Industry Summary

today, Toyota has become an early adopter of subscription licenses, recently signing a conversion agreement with PTC. PTC will work with Toyota to expand the use of flexible and adaptable subscription licenses at overseas locations and group companies to be part of the foundation for the ‘Reinventing the Way We Work’ initiative for the entire Toyota Group.

PTC believes there is pressing urgency for companies to adapt to diversifying values, changing lifestyles, and challenging environmental conditions, as well as to capitalize on opportunities present in the IoT, AI, and other types of information technology. As such, PTC will accelerate its efforts to help automotive companies with their global digitalization strategies, offering a range of services and technology, including its award-winning ThingWorx® Industrial Innovation Platform. PTC is

committed to Toyota’s success and will provide enhanced support during its evaluation of ThingWorx.

For the automotive industry, the ThingWorx Industrial Innovation Platform delivers a set of tools that simplifies system integration and enables production equipment monitoring and predictive maintenance, as well as AR capabilities. With this technology, companies are transforming their operations and capitalizing on the convergence of the physical and digital worlds.

“We are delighted that ThingWorx, our Industrial Innovation Platform, is enabling world-class companies around the world to improve operational efficiency and harness the value of the Internet of Things,” said Jim Heppelmann, president and CEO, PTC. “We are committed to supporting Toyota’s ‘Making Ever-Better Cars’ initiative with PTC’s technology and resources.”

 [Click here to return to Contents](#)

SGS & CBX Software Streamline Retail Sourcing and Quality

8 January 2018

SGS and CBX Software are proud to announce the launch of their Extended Quality and Sourcing Solution (EQSS).

SGS, the world’s leading inspection, verification, testing and certification service will deliver quality process management through automation through EQSS by bringing together improved data flow along the whole supply chain and better monitoring quality at all stages – from product concept to store.

Utilizing this online, cloud-based system will enable businesses to improve quality, shorten time to market, overcome potential stoppages, and increase efficiency and profitability. "Extended Quality and Sourcing Solution (EQSS) will allow retailers and brands to strongly upgrade their quality control process and shift from end of production control to risk based quality assurance starting at product conception. EQSS encourages transparency and collaboration with all stake holders in the whole supply chain, resulting in risk mitigation and a network of qualified suppliers throughout the extended supply chain," says Tim Chiu, CBX Software Senior Vice President of Client Management.

As a continuity in their alliance, SGS and CBX initiated the development of the Extended Quality and Sourcing Solution (EQSS) which was designed based on market needs as well as input and feedback from major retailers and brands within the industry. EQSS was developed to increase profits by delivering on-time and on-trend products by cutting lead times, unifying workflow, improving product quality and scaling sourcing operations throughout Asia and emerging markets.

CIMdata PLM Industry Summary

Planning for goods that will be in stores twelve months from today is no longer a must. With an appropriate sourcing management tool, time lines can be shortened by 25% or more. Traditional supply chain processes can be boosted to meet consumer demand for innovative and fashion products at a faster rate. “The volume of data, documents and spreadsheets needed to manage the “day to day” quality process remains a huge challenge for all organizations. There’s an unbelievable waste of time due to missed communications: emails lost in overloaded mailboxes, stakeholders not in the communication loop, staff turnover, time zone difference, are just a few of the many issues that are likely creating a backlog. Our objective was to put our operational experience, working with 99% of major global retailers and brands, into the development of an innovative solution that is efficient, has the capacity to be much more responsive to market changes and can still ensure that quality is under strict control at all stages of production. We have combined our expertise of quality and integrity with CBX’s expertise in IT and software. It is our duty to continuously support our retail and brands clients to increase speed to market and bring a real game changer” says Charles Ly-Wa-Hoi, Vice President of SGS Global Retail Solutions.

Interactive, transparent, and easy to use retail sourcing solutions are the future of quality sourcing and are at the heart of Extended Quality and Sourcing Solution (EQSS).

 [Click here to return to Contents](#)

SIMSOLID Professional Released

12 January 2018

The announcement was made on the SIMSOLID blog:

“We are pleased to announce our latest product edition, SIMSOLID Professional. Read on to find out more.

Created for our most demanding customers, SIMSOLID Professional edition has all the features of Power but extends further in three main areas: CAD connectivity, analysis breadth and connection automation.

CAD connectivity

All SIMSOLID editions are CAD integrated. Today, we support Onshape, SOLIDWORKS, Autodesk Fusion 360 and STL. SOLIDWORKS and Fusion 360 use CAD embedded plugins to seamlessly transfer data directly to SIMSOLID. This requires that the CAD application is open and available; something that is not always possible. SIMSOLID Professional reads 3D solids from CAD files directly without requiring assistance from the CAD application.

All mainstream CAD systems are supported including:

- CATIA
- NX
- Creo
- Onshape
- SOLIDWORKS

- Inventor
- Solid Edge

As well as these common neutral formats:

- STEP
- VDA
- JT
- CGR
- PLMXML
- Parasolid
- ACIS
- STL

As always, associative model update is available for design geometry from any CAD source. Change the geometry and all analysis definitions, loads and constraints are automatically reapplied. This makes evaluating design performance variation fast and easy.

Analysis breadth

The vision of SIMSOLID is to provide advanced analysis packaged simply without all the myriad of settings and tolerances found in other FEA applications. Adaptive analysis replaces manual meshing. Material and geometric nonlinear analysis is done without configuration. All are optimized with parallel processing and run quickly in second to minutes.

SIMSOLID Standard edition comes with linear static and modal analysis. Our Power edition adds thermal, thermal-stress, material nonlinear and geometric nonlinear. The target with SIMSOLID Professional edition is to extend our simulation capabilities to support both multi-step and chained analysis solutions.

Multi-step indicates an additional analytic dimension such as load history, time or frequency. This includes analyses such as transient dynamics (our first offering). We also plan frequency and random dynamic response as well as multi-step nonlinear.

Chained analysis means the results from one analysis can be used as inputs to another. This is an integral foundation of the Professional edition. Initially, chained analysis in the Professional edition includes:

- material nonlinear linked to geometric nonlinear
- modal linked to transient dynamics

Further additions will include linking for modal to frequency and random response as well as nonlinear static linked to modal for mode stiffening.

Connections and connections automation

Advanced welds connections for spot, laser and fillet welds have been moved to the professional edition. This is complemented with new unique weld creation functions that automate this process on complex assemblies. These will be extended further to provide support for advanced physical conditions such

weld shrinkage. More general part based connections that are bonded, sliding, or contain separating contact remain in our other product editions. A full list of product features for all editions can be found [here](#).

Available now

SIMSOLID Professional is available now.”

 [Click here to return to Contents](#)

UST Global and OpsHub Partner to Help Enterprises Promote Digital Transformation Through an Integration Platform for Product Development and Customer Experience Ecosystem

11 January 2018

UST Global and OpsHub today announced a strategic agreement to help enterprises promote a fast, collaborative, and efficient digital transformation.

By integrating ALM, DevOps systems with the customer experience environment, OpsHub Integration Manager helps enterprises create a highly-productive and collaborative ecosystem. In an ecosystem like this, there is no gap between the ideas coming from the customer-oriented business teams and the execution of these ideas by the development/engineering team. The real-time information exchange, facilitated by OpsHub Integration Manager, within each work team's preferred system removes all possible communication barriers and other issues that might delay the delivery; and therefore, allows enterprises to make wiser commercial decisions in a short span of time.

OpsHub Integration Manager is a comprehensive integration and migration solution for the unification of an ALM ecosystem. It supports the integration of over 50 ALM, DevOps, IT Service Management (ITSM), and Customer Relationship Management (CRM) systems. Integrating these systems increases the overall efficiency of the delivery ecosystem as it results in enhanced collaboration between cross-functional teams, increased transparency in the ecosystem, and complete traceability for all work and non-work items.

OpsHub Integration Manager can be hosted on-site or on the cloud of a customer (Amazon Web Services EC2, Microsoft Azure).

"By incorporating OpsHub Integration Manager to our solutions portfolio, we have come closer to meeting our commitment of providing our customers the means to accelerate their digital transformation, taking advantage of a collective experience," said José Luis Rivero, Director of Digital Solutions & Consulting Services at UST Global. He also added, "OpsHub Integration Manager allows real time two-way synchronization between systems for requirements management, version control, and CRM, enabling our customers to build a complete DevOps pipeline."

Baldo Rincón, VP Business Development, Europe at OpsHub, explained, "A development organization always strives to deliver superior products to its clients, as quickly as possible and at competitive prices. With OpsHub Integration Manager, UST Global customers will be able to create highly productive ecosystems with best-of-breed systems that will lead to creation of quality solution and also, accelerate the delivery timeline."

Vibhuti Bhushan, VP Marketing, OpsHub, said, "Scalable integration solutions act like a catalyst for successful digital transformations. We are happy that this association has managed to reach a point

CIMdata PLM Industry Summary

where we can all help enterprises to take advantage of their cross-functional richness and swiftly progress towards an enabled, digital world."

 [Click here to return to Contents](#)