

<b>CIMdata News</b>	Sara Vos, Editor	<b>2</b>
CIMdata Executive Consultant to Participate in Panel Discussion at COE 2018 Experience & TechniFair	Vol. 20 No. 15 - Friday, April 13, 2018	
CIMdata to Host Free Webinar on PLM’s Application in the CPG Industry		2
CIMdata Publishes “Configuration Lifecycle Management” (CIMdata Whitepaper)		3
CIMdata Publishes eBook: “ROI for PLM Deployments in the Food and Beverage Industry”		4
CIMdata & SpecPage Present Free Webinar on ROI for PLM Deployments in the Food and Beverage Industry		5
CIMdata Vice-President Stan Przybylinski Featured on Beyond PLM blog - PLM MARKET 2018		6
<b>Acquisitions</b>		<b>10</b>
Accenture to Acquire MXM, a Content-Powered Digital Marketing Agency		10
KPMG acquires cyber security firm, Egyde		11
Processia strengthens its international leadership and becomes one of the largest specialized PLM consulting and system integration firms		12
SAP Completes Acquisition of Callidus Software Inc.		13
<b>Company News</b>		<b>14</b>
Aras Demo Series: Program Management		14
Balancing Digital Investments Is Key to Driving Sustainable Growth in India’s Manufacturing Sector, Accenture Research Finds		15
11 April 2018		15
CBX Software Opens Subsidiary in Germany		16
cloudplan becomes Cloud Solution Partner of Deutsche Telekom		17
IBM Joins the Sovrin Foundation as a Founding Steward		18
Lifeboat to Distribute CloudGenix		19
MTC to Launch Additive Manufacturing Apprenticeships		19
Schneider Electric Opens New East Asia & Japan Headquarters in Singapore		20
Simio's 8 Reasons to Adopt Industry 4.0		22
<b>Events News</b>		<b>23</b>
CGTech to showcase VERICUT Composites Applications software at SAMPE		23
PROS Announces Participation in Hannover Messe		24
T-Systems to present PLM cloud service at Hannover Trade Fair		25
Workshop on the social consequences of Industry 4.0 with a focus on: changes in the employment world		25
<b>Financial News</b>		<b>25</b>
C3D Labs Reports Results for 2017		25
Dassault Systèmes First Quarter 2018 Earnings: Webcast and Conference Call Details		26
<b>Implementation Investments</b>		<b>27</b>
Buccellati Sees Sparkling Future with Centric		27
C&A Mexico Migrates to NGC Software’s Andromeda Cloud Platform for Agile Decision Making and Increased Speed-to-Market		28
Etisalat Selects NEC and Netcracker as Prime Integrator for its NFV Infrastructure Platform to Advance its Telecom Cloud Program		28
<b>Product News</b>		<b>29</b>
3MF Consortium Releases First Standardized 3D Beam Lattice Extension		29
Accenture Launches Intelligent Enterprise Platform to Help Companies Use Advanced Technologies that Fast-track Enterprise Transformation		30
Alibre Releases Design 2018 3D Product Design Suite		31
CircuitData can solve the design to manufacturer communication challenge – version1 successfully released		32
Cityzenith Launches Smart World Pro for Architects and Property Owners		33
Cohesive Solutions Inc. Launches Propel Solution for E-Business Suite		33
Elmatica Releases CircuitData Version 1		34
Innovit Introduces Pre-Configured, Entry-level PIM System		35
JTB Raster2OLE for AutoCAD Version 1.2		35
Lectra’s Cloud Applications take the Fashion World by Storm		36
LINK3D brings blockchain technology to Additive Manufacturing		37
Mentor expands the Veloce emulation platform with Veloce StratoT		37

## CIMdata News

### ***CIMdata Executive Consultant to Participate in Panel Discussion at COE 2018 Experience & TechniFair***

13 April 2018

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, is pleased to announce that Mr. Ken Amann, Executive Consultant, will be in attendance at the annual COE Experience & TechniFair which will take place in San Diego, CA from April 15-18.

Mr. Amann will join a panel discussion on the topic of "Digital Transformation from a PLM Perspective." The objective of the panel is to discuss how customers leverage their current investment in PLM technology to further their enterprises digital transformation. The discussion, sponsored by Procter & Gamble, will take place on April 17 2018.

Mr. Amann will be available to meet with attendees during this event. To set up a meeting, please visit the CIMdata website at: <https://www.cimdata.com/en/meet-with-cimdata-at-coe>.

For more information on the event visit: <https://www.cimdata.com/en/events/event/387-coe-2018-annual-experience-technifair>

### **About Ken Amann**

Ken Amann has over 45 years of experience in the development of PLM, PDM, information technology (IT) architectures, computer-based engineering applications, document and information management systems, astrodynamics, and aerospace engineering. A graduate of Georgia Tech with a Bachelor of Aerospace Engineering, he has held senior positions in PLM marketing, development, and consulting; IT systems and architecture; and missile flight dynamics and controls systems. Mr. Amann served 10 years as CIMdata's Director of Research and is currently an Executive Consultant for the firm. His experience includes evaluating corporate engineering and manufacturing operations, managing PLM programs, recommending collaborative concurrent engineering and product information management solutions, implementing PLM solutions, as well as developing and evaluating requests for proposals, and solution provider benchmarks and selection. As the Managing Director for PricewaterhouseCoopers' Technology Leadership Group, Mr. Amann conducted research into and evaluated emerging technologies as well as applications based on those technologies, and has defined and described how emerging technologies may be applied to enable leading-edge business solutions.

### **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, [www.CIMdata.com](http://www.CIMdata.com); follow us on Twitter at

<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.

[!\[\]\(1d3a1175dd4902218e694b9c098adb83\_img.jpg\) Click here to return to Contents](#)

## ***CIMdata to Host Free Webinar on PLM's Application in the CPG Industry***

12 April 2018

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces an upcoming free educational webinar, "PLM's Application in the CPG Industry: Protecting the Brand." The webinar will take place on Thursday, May 10, 2018 at 11:00 a.m. (EDT) and will last for one hour.

It is well understood that maximizing brand value is a competitive necessity; unfortunately, many companies do not possess the end-to-end capabilities to do so in a consistent and repeatable manner.

This webinar will discuss why companies in the CPG and similar industries (e.g., food and beverage) require an end-to-end and fully connected approach to protecting their brands. Additionally, the webinar will discuss how requirements and lifecycle portfolio management, as well as building out product and innovation platforms, play important roles in a company's success.

Peter Bilello, CIMdata's President and the host for this webinar, stated, "In today's global, complex world of consumer, retailer, market, and regulatory requirements, no company can afford not to investigate and implement an appropriate PLM strategy and its associated enabling solutions."

Mr. Bilello has more than 25 years of experience in the development of business-enabling IT solutions for research, engineering, and manufacturing organizations worldwide. He has participated in PLM analysis, selection, implementation, and training; CAD/CAM/CAE/CIM implementation and management; synchronous and lean manufacturing consulting; software engineering; and general data management strategy development and support. He has authored numerous papers and research reports on PLM and related topics, and his articles, commentaries, and perspectives have appeared in publications throughout the Americas, Europe, and Asia.

This webinar will be of interest to product planners and managers, product portfolio managers, PLM team leaders, PLM team members, PLM users, product managers, IT leadership, solution providers, and anyone else who wants to learn about how PLM is building and protecting brands.

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/plm-s-application-in->

---

---

[the-cpg-industry-protecting-the-brand](#). To register for this webinar please visit:

<https://register.gotowebinar.com/register/6007978211401821441>

## 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](http://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](#)

## ***CIMdata Publishes “Configuration Lifecycle Management” (CIMdata Whitepaper)***

10 April 2018

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, released a new whitepaper focused on Configit's end-to-end configuration lifecycle management approach titled “Configuration Lifecycle Management: End-to-End Configuration Management is a Necessity.”

This whitepaper describes how for original equipment manufacturers (OEMs) in multiple industrial segments, including automotive, product complexity is increasing well beyond their ability to support it with traditional configuration management approaches and technologies. For many companies, the increased product complexity is being driven by the rapidly-increasing amount of embedded electronics and software, and the desire for more individualized vehicles delivered to the global market in shorter timeframes. Additionally, the whitepaper describes Configit's end-to-end, extended enterprise approach that enables sales and marketing, engineering, production, and supply chain partners responsible for complex and highly-configurable products to efficiently handle a large number of options and variants in a highly collaborative and efficient manner.

Mr. Peter Bilello, CIMdata's President, stated, “For years, OEMs have tried to fill gaps and close the data and process loops that exist throughout their vehicles' lifecycles. Unfortunately, most of them have

# CIMdata PLM Industry Summary

---

taken this on as a data management problem, and to some extent it is, but it is so much more. Ultimately, it is only by enabling an efficient end-to-end configuration lifecycle management methodology and associated enabling technologies like those offered by Configit that today's OEMs will continue to be successful.”

To learn more about this important resource, please download and read the complete whitepaper at [www.CIMdata.com](http://www.CIMdata.com).

## 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](http://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](#)

## ***CIMdata Publishes eBook: “ROI for PLM Deployments in the Food and Beverage Industry”***

11 April 2018

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, released a new eBook focused on Return on Investment (ROI) for PLM Deployments in the Food and Beverage (F&B) Industry.

This eBook describes how a well-developed ROI can help gain executive support for deploying a PLM solution. The eBook reviews what items should be included in an ROI model. It then identifies some of the critical issues where PLM can impact F&B companies. It closes with both CIMdata and several SpecPage customers' viewpoints of how SpecPDM can help F&B companies improve their business performance.

According to Mr. Tom Gill, PLM Enterprise Value & Integration Knowledge Council Manager, “ROI of PLM is a topic in which CIMdata has deep experience from working with clients across industries including F&B. When SpecPage approached CIMdata about publishing this eBook on ROI, we were happy to take on the project. We believe that PLM must be driven by business needs, and ROI is a critical element that describes how well a PLM deployment can meet those needs. In working with SpecPage on this project, we were impressed with their knowledge about F&B and the successes they

# CIMdata PLM Industry Summary

---

have had supporting their customers' PLM journeys.”

To learn more about SpecPage and the value of developing a detailed ROI to support PLM deployments, please download and read the complete eBook at

<https://www.cimdata.com/en/resources/complimentary-reports-research/white-papers>.

## 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](http://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](#)

## ***CIMdata & SpecPage Present Free Webinar on ROI for PLM Deployments in the Food and Beverage Industry***

10 April 2018

Global leader of innovative solutions for the recipe-based manufacturing industry, [SpecPage](#), will host a free webinar, “ROI for PLM Deployments in the Food & Beverage Industry,” on April 12 in partnership with [CIMdata](#), the leader in PLM education, research and strategic management consulting.

The webinar features industry experts Severin Weiss, CEO of SpecPage; Tom Gill, enterprise value & integration practice manager at CIMdata; and Milan Vacval, vice president, professional services at SpecPage, as they address how food and beverage manufacturers can use a product lifecycle management (PLM) platform to increase speed to market and control product cost, traceability and regulatory compliance issues.

To support growth and success in recipe-based production, manufacturers need a comprehensive, adaptive solution that features data as a strategic asset. The webinar provides an overview of the essential benefits of implementing a PLM to offset costs, including controlled product management, data governance and timely, accurate product specific regulatory compliance.

- Attendees will learn the benefits of using a PLM platform, including:
- Revenue growth

# CIMdata PLM Industry Summary

---

- Accelerated time to market
- Product and process cost reduction anywhere in the lifecycle
- Cost avoidance

“The truth of the matter is that every time you scrap or revise a project or process, you are losing money,” said Severin Weiss, CEO and chairman of SpecPage. “Product development is too often stymied by lost, fragmented or untraceable documents, pushing up hard and soft costs and slowing down the process. By implementing an end-to-end secure and transparent data management system, food and beverage companies can optimize their process and eliminate confusion, errors and costs. Our presentation will empower product development executives to develop a realistic ROI for implementing a PLM.”

REGISTER: The free event takes place on Thursday, April 12 at 11 a.m. E.T. [Register here](#).

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

## ***CIMdata Vice-President Stan Przybylinski Featured on Beyond PLM blog - PLM MARKET 2018***

7 April 2018

From the Beyond PLM blog:

“Earlier this week Stan Przybylinski of CIMdata presented 2018 PLM market analysis results at [CIMdata 2018 industry and market forum](#) in Ann Arbor. CIMdata forum is a great opportunity to get early visibility on trends and market. The event is organized specially for PLM vendors and services providers.

PLM market exceed CIMdata forecast (7.3% vs 6.5%) coming totally to \$43.6B. Like Peter Bilello of CIMdata said during his opening sessions, it is a nice and big enough market to be in. Below are numbers for major segments.”

To read the rest of the blog post, please visit <http://beyondplm.com/2018/04/07/plm-market-2018-acquired-puck-going/>

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

## ***Siemens Innovation Day 2018 (CIMdata Commentary)***

12 April 2018

*Key takeaways:*

- *With more than \$10B in acquisitions, Siemens has expanded its software portfolio significantly including heavy investments in Siemens PLM Software.*
- *Siemens is now in the top-10 software providers worldwide.*
- *MindSphere is playing an increasing role in PLM with the theme of turning Data into value.*
- *Siemens PLM Software in conjunction with Siemens AG delivers a comprehensive and cohesive end-to-end message.*

# CIMdata PLM Industry Summary

---

- *Siemens is diligently working to define all aspects of digital twins and connect them with a digital thread.*

CIMdata recently attended Siemens Innovation Day 2018 held in Chicago, Illinois on March 27th at the DMDII facility; a state of the art venue, of which Siemens is an inaugural sponsor, to showcase and teach the latest digital manufacturing technology. This event was an update of Siemens software offerings as they continue to expand their PLM solution portfolio and provide offerings throughout the lifecycle of products and services. There were about 200 industry analysts, journalists, and industrial companies in attendance. The theme for this year's event was "Unlocking the Potential of Digital Transformation." Siemens described and illustrated how they define a holistic, actionable digital twin that encompasses all aspects of the product lifecycle. This includes presentations in analytics, data collection, and building and energy management. They explained how the product twin, performance twin, and production twin provide digital representations that can be used to make faster, more informed decisions and help close the loop between R&D, simulation and test, and manufacturing. CIMdata agrees with this idea of multiple digital twin representations using the digital thread concept to relate them to one another; "sewing them together."

In the opening introduction, Ms. Lisa Davis, Siemens USA CEO and member of the managing board of Siemens AG, welcomed the attendees from industry, academia, press, and consultants then introduced the agenda. She then introduced Dr. Roland Busch, Chief Technology Officer and member of the managing board of Siemens AG.

Dr. Busch's opening keynote entitled "Unlocking the Potential of Digital Transformation" focused on Siemens increase in investment into R&D from \$6.3 billion in fiscal year 2017 to an estimated \$6.9 billion in 2018. Of this investment \$1.5 billion was spent in 2017 on the digital business. Siemens currently has 24,500 software engineers globally. Some of the areas that are core technologies for Siemens are additive manufacturing, cybersecurity, materials, blockchain applications, simulation, and digital twin. Dr. Busch stated that "Digitalization is a key driver of innovation and growth" as he showed some of Siemens revenue for 2017 where the software revenue was approximately \$4.9B with \$1.5B in digital services. Included were revenues from enhanced automation and enhanced electrification with \$2B and \$53B respectively accompanied with \$21B in classic services in these two sectors.

Dr. Busch then covered some of the recent acquisitions, \$10B since 2007, including Mentor Graphics, MRX Technologies, and TASS International to name a few, placing Siemens among the top-10 largest software companies worldwide.

Changing topics, Dr. Busch described how the MindSphere product is architected and how it is analogues to an operating system for IoT providing connections to devices, advanced analytics, machine learning, and a host of industrial applications all running on the Amazon Web Services cloud.

MindSphere's main theme is turning data into value. Siemens has connected more than a million devices with 2,900 customers with 250 industrial offerings. CIMdata believes MindSphere will play an increasing role in the extension of PLM.

Ms. Davis and Mr. Tim Holt, President of Siemens Power Generation Services, gave an interesting presentation entitled "Digital Innovations for the Changing Energy Landscape." They showed use cases where microgrids managed by Siemens software were supplementing the existing power infrastructure and, in some cases, replacing or becoming the infrastructure.

# CIMdata PLM Industry Summary

---

“First and Last Miles, And Everything in Between—The Future of Driving” presented by Mr. Wally Rhines, CEO of Mentor, a Siemens business, and Mr. Marcus Welz, President, Siemens Intelligent Traffic Systems, North America, was next. Mr. Rhines explained how simulations help support artificial intelligence and synthesize that intelligence into chips. Mr. Welz emphasized the number of sensors and data points needed to be collected to support self-driving vehicles and how Siemens is able to provide the systems to support these projects.

Mr. Dave Hopping, President of Siemens Building Technologies and Mr. Simon Davidoff, head of Siemens Digital Rail Service, talked about digital services for rail and buildings. Like the self-driving car, there are millions of data points collected that need to be analyzed and acted upon. They talked about some of the analytic capabilities they are currently using to support these endeavors and how the data helps form actionable tasks.

Mr. Tony Hemmelgarn, President & CEO, Siemens PLM Software, in conjunction with Mr. Mark Becnel, President RadioBro, and Mr. Eric Becnel, Vice President/Chief Engineer, RadioBro, presented “Digital Twins for Real Twins: Putting IoT to Work at Startup RadioBro” an amusing takeoff that real twin brothers (Mark and Eric) are presenting the digital twin. This presentation concentrated on two areas. First an update on last year’s presentation by RadioBro on how they are successfully implementing Siemens PLM software and driving the cost of development and time to market down. Second, how the cost of ownership of the PLM software has made it accessible to small to midsize companies like RadioBro. CIMdata observes that reducing the total cost of ownership is key to expanding the PLM market and that new cloud technologies should enhance this opportunity.

Mr. Hemmelgarn continued with the technology forces changing the digital enterprise and how data analytics and the IoT combine to add to the definition of the holistic digital twin. He stated that digitalization is only fully realized when the product, production, and performance digital twins are connected with the digital thread.

The session ended with Dr. Kurt Bettenhausen, Senior vice President of Siemens Corporate Technology, US, speaking on leveraging robotics and AI in the real world. He spoke of where AI, MindSphere, and condition monitoring are being driven down to the smartphone platform to provide you with an “expert in your pocket.”

## **Summary**

CIMdata is impressed with the broad portfolio of solutions Siemens has assembled. They have developed and acquired technology and solutions that can provide value across the entire product lifecycle and solutions that have the potential to connect the silos of mechanical, software, electrical, and electronics. This spans ideation, realization, and utilization of products. They are using their definition of an actionable, holistic digital twin to enable closed-loop environments that allow enterprises to not just monitor a product but to take informed corrective actions to improve design, development, production, and service. As with any major suite of products and technology, CIMdata will be watching to see when and how Siemens leverages the full scope of their suite.

## **About CIMdata**

CIMdata, an independent worldwide firm, provides strategic management consulting to maximize an enterprise’s ability to design and deliver innovative products and services through the application of

# CIMdata PLM Industry Summary

---

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

 [Click here to return to Contents](#)

## Acquisitions

### *Accenture to Acquire MXM, a Content-Powered Digital Marketing Agency*

29 March 2018

Accenture has entered into an agreement to acquire New York-based digital agency, Meredith Xcelerated Marketing (MXM), a content-focused leader in integrated marketing, cross-channel strategy development and creative execution. The acquisition will bolster the capabilities of Accenture Interactive in creative services, data-led marketing execution, content strategy and digital marketing.

MXM has superior data and analytics skills, combined with award-winning content creation and strong customer engagement capabilities in direct-to-consumer marketing, particularly in the automotive, consumer brands and financial services industries. Its client roster boasts some highly recognized brands including, Barilla, Bob Evans Restaurants, Kraft Heinz, Lowe's, Volkswagen and WebMD. MXM has broad experience bringing together high-performing content, customer data, marketing strategy and creative development to drive business impact for its clients.

Owned by Meredith Corporation – one of the leading media companies in the United States – MXM employs more than 450 people across the U.S. and Canada. Most notably, MXM has a strong team of creative professionals, technologists, and performance marketing professionals delivering digital excellence to clients. The acquisition will expand Accenture Interactive's studio locations in key U.S. markets including, Dallas, Des Moines, Detroit, Los Angeles, New York and Washington D.C.

The award-winning digital marketing agency has been working with leading brands for almost 50 years and possesses a strong combination of insightful strategy, creative and technology prowess. Over the last five years, MXM has won 27 Content Council Awards and a Gold Effie Award for its work with the FDA.

“This is an exceptional opportunity for Accenture Interactive to add market-leading talent and capabilities,” said Jeannine Falcone, marketing offering lead, North America, Accenture Interactive. “Combined with other acquisitions, MXM adds creative, digital marketing, content strategy and marketing execution heft to our North America business. There is a clear strategic alignment around

# CIMdata PLM Industry Summary

---

insight-led digital marketing and content strategy, where we each have had proven success in executing integrated programs for our clients.”

“The acquisition of MXM reflects our commitment to build on our existing capabilities in marketing services by bolstering our data and content offerings,” said Brian Whipple, head of Accenture Interactive. “The blend of MXM with our current capabilities and robust marketing intelligence platforms will set us apart as a leader to design, build and run the best customer experiences on the planet.”

“We are thrilled to be joining the Accenture Interactive family,” said Georgine Anton, president, MXM. “The combination of Accenture Interactive and MXM will be powerful in the market, plus the depth of their offerings will deepen our capabilities, enabling us to better serve both existing and new clients.

Accenture Interactive will provide MXM with a home where it can offer clients best-in-class, single sourced, integrated solutions – this is a clear competitive advantage for Accenture Interactive and, now, MXM.”

The acquisition is expected to close within 60 days, subject to customary closing conditions. Financial terms of the transaction are not being disclosed.

[!\[\]\(30072721fe92392a2d7c953be68f714a\_img.jpg\) Click here to return to Contents](#)

## ***KPMG acquires cyber security firm, Egyde***

6 April 2018

KPMG in Canada is pleased to announce it has acquired Egyde, a Quebec City-based cyber security firm specializing in continuous security testing and proactive cyber security services.

"Egyde's cyber security practice is highly regarded in the market and complements our existing cyber services," said Francis Beaudoin, Technology Risk Consulting Leader for KPMG in Canada. "Their technical skills and innovative vision about cyber security are becoming increasingly important to help combat the growing cyber risks facing Canadian businesses. By joining forces with Egyde we can strengthen the service we provide to our combined clientele."

"KPMG provides our firm with the opportunity to grow our services both in Quebec and across Canada," says Guillaume Clément, Egyde's founder and CEO. "With this deal we will stay committed to providing premium services to our existing clients but now also offer them access to a broader suite of cyber security tools and services from one of the country's leading advisory firms."

The deal closed on April 5, 2018 and the firm is now known as KPMG Egyde. All employees, including Guillaume Clément, will join KPMG and continue to work out of their current offices in Quebec City and Montreal.

Egyde joins KPMG's growing national cyber practice, which now has seven dedicated cyber partners and over 40 staff helping clients identify, evaluate and manage a broad range of technology risks and

# CIMdata PLM Industry Summary

---

opportunities. KPMG's professionals provide service in areas including cyber security, IT risk management, IT auditing, systems and controls assurance and advisory, IT project risk management, and business continuity planning.

 [Click here to return to Contents](#)

## ***Processia strengthens its international leadership and becomes one of the largest specialized PLM consulting and system integration firms***

11 April 2018

Today, Processia Solutions announce the acquisition of Europe based NobleTek B.V. and India based NobleTek PLM Solutions Pvt. Ltd specializing, as it does, in Product Lifecycle Management (PLM) consulting, system integration and managed services, thereby strengthening its international leadership and reach. The transaction was made possible thanks to the contribution of Processia's financial partners, notably the Fonds de solidarité FTQ.

Following this acquisition, Processia, which already has offices in Canada, France, the United States and Great Britain, will also be present in Netherlands, India and Sweden. By the end of 2018, Processia will have a team of more than 300 people specialized on PLM and The 3DEXPERIENCE® platform from Dassault Systèmes.

Representing another milestone in the company's growth plan, this acquisition strengthens Processia's positioning, expertise and competitiveness. Recognized for its unique and innovative expertise in process optimization and automation linked to integrated product development-a key industry 4.0 pillar-the complementarity of the two firms' expertise will expand Processia's ability to support large enterprise PLM platforms.

"Our combined forces will represent more than 300 people by year end, making us the leading specialized Consulting and System Integrator on The 3DEXPERIENCE® platform, allowing us to strengthen our position in the EuroNorth market (UK, Benelux and Nordics), qualify for more business in all markets and enhance our delivery capabilities. Both leadership teams understand what it takes to successfully integrate new talent, customers, offerings, and infrastructure into our company and, as such, leaders from both Processia and the NobleTek entities will work together closely on the integration process to ensure that it creates the greatest value for customers, employees, and shareholders," stated the CEO of Processia, Vincent Fraser.

Like the NobleTek entities, Processia works very closely with Dassault Systèmes, developer of The 3DEXPERIENCE® platform, a business experience platform that helps companies in their value creation process – from marketing to sales to engineering – and create differentiating consumer experiences. With a single, easy-to-use interface, it powers Industry Solution Experiences based on 3D design, analysis, simulation, and intelligence software in a collaborative, interactive environment.

"The greater adoption of the 3DExperience platform® requires significant expertise to guide our clients in their digital transformation, and Processia has the depth and positioning of experts we need in our partner ecosystem," said Laurent Blanchard, Executive Vice-President, Executive Vice President, Global Field Operations EMEAR, Alliances Strategy and Worldwide Geo Practices, Dassault Systèmes.

The NobleTek entities' parent company, Noble Technologies Corp. (NobleTek), based in the United States, will concentrate its focus on the Engineering Services business in the United States, which is

# CIMdata PLM Industry Summary

---

focused on NC Programming, Composite Manufacturing and 3D Design for the aerospace industry.

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

## ***SAP Completes Acquisition of Callidus Software Inc.***

5 April 2018

SAP today announced that it has completed its acquisition of Callidus Software Inc., a market leader known for its lead to money applications, including sales performance management and configure-price-quote (CPQ).

These applications, marketed under the brand CallidusCloud, will provide SAP and its customers a differentiated, cloud-based customer relationship management (CRM) solution, putting SAP in a leading position to compete in the US\$46 billion CRM market. SAP plans to consolidate CallidusCloud product assets within the SAP Hybris cloud portfolio, which is part of SAP's Cloud Business Group.

Each outstanding share of Callidus Software Inc. common stock has been converted into the right to receive US\$36 per share in cash. Callidus Software Inc. has notified the Nasdaq Stock Market of the completion of the acquisition and expects trading of its common stock to be suspended pending delisting.

For fiscal year 2017, CallidusCloud has reported revenue of US\$253.1 million, with subscription revenue of US\$198.2 million growing at 31 percent. SAP will provide an updated 2018 outlook including CallidusCloud in its first quarter 2018 earnings release.

## **CallidusCloud Strengthens the SAP Front Office Suite: Sales, Customer Data, Marketing, Service, Commerce**

The acquisition of CallidusCloud completes SAP's design of a new front office that extends beyond legacy CRM to an intelligent customer experience suite consisting of:

- CallidusCloud solutions, which give companies tools to inspire and empower sales professionals to follow leads to cash, compensation and career success
- Gigya solutions, which help businesses adopting a digital approach to marketing, sales and service to initiate and build trusted relationships with online customers by appropriately managing and collecting customer data
- SAP Hybris marketing solutions, which take a data-rich approach to helping marketers engage consumers throughout the buyer's journey
- SAP Hybris service solutions, which focus on retention and ensuring businesses can keep customers by predicting how best to serve them
- SAP Hybris omnichannel commerce and revenue capabilities, which empower businesses to engage consumers in any channel and on any device, immediately converting transactions to revenue and growth

## **SAP Perspective: Rob Enslin, Member of the Executive Board of SAP SE and President, SAP Cloud Business Group**

“By connecting the front office to the back office and linking it to a digital core system, we are

# CIMdata PLM Industry Summary

---

redefining CRM. With SAP Hybris solutions, we already have one of the most powerful customer experience suites on the market. By enhancing our CRM with CallidusCloud, we are delivering on our strategy to provide an end-to-end intelligent customer experience suite. When you integrate the front office into SAP S/4HANA with SAP Cloud Platform, this is how CEOs are looking to run an intelligent digital business.”

## **CallidusCloud Perspective: Leslie Stretch, CEO, Callidus**

“Winning in digital business means delivering the best possible customer experience. Enterprises will only succeed if they can bring data and intelligence to the sales teams. Then, they will be able to consider marketing insights for sales orders or gain access to production and inventory information in real time, allowing them to set customer expectations on individual configurations and delivery dates. SAP’s own experience as a customer of CallidusCloud resulted in up to 50 percent improvement in sales productivity, and our partnership has led to numerous prebuilt integrations to SAP systems. Together, we are ideally positioned to deliver quickly on our joint offering to support digital transformation of the sales function.”

 [Click here to return to Contents](#)

## Company News

### ***Aras Demo Series: Program Management***

10 April 2018

Aras is presenting a Program Management Demo on April 19<sup>th</sup>. Organizations leverage projects to manage temporary work that ultimately achieves a result, driving down costs and increasing transparency. Project tools are needed to track and assign work, manage the expected schedule, map dependencies, and set milestones that ultimately communicate overall expectations to stakeholders.

Aras’ Program Management application provides a comprehensive project execution tool to assist with managing scope, time, resources, deliverables, and communication. Based on PMI principles, project managers can calculate critical path, automate notifications, standardize projects using templates, and manage a project throughout its lifecycle.

This demonstration will review Program Management’s capabilities and highlight data integration throughout the web client.

Attendees will learn how to create a project from a template, assign tasks, calculate the critical path, and execute a project based on the Project Management Body of Knowledge principles.

Presenter: Crystal Brandl is the Program Management Product Manager, dedicated to delivering a purposeful project management execution tool.

Demo Details:

Thursday, April 19th

11:00am-11:30am ET

[Click Here to Register](#)

 [Click here to return to Contents](#)

## ***Balancing Digital Investments Is Key to Driving Sustainable Growth in India's Manufacturing Sector, Accenture Research Finds***

11 April 2018

Manufacturing businesses in India are keen to invest in digital technologies but are struggling to derive tangible business benefits due to an imbalanced approach to digital investments, according to [Reinventing Business with Industry X.0](#), a new report from Accenture.

Ninety-three percent of the executives surveyed – who represent 29 manufacturing and production companies in India with an annual turnover of at least US\$1 billion – want to leverage digital for growth, with 76 percent intending to use digital to create new, experience-driven revenue opportunities. However, only 31 percent plan to use digital to drive greater operational efficiencies, likely missing out on bottom-line improvements.

“There appears to be a singular focus on revenue growth, with businesses neglecting an important requirement of the digital era: the transformation of operations to unlock trapped value,” said Anindya Basu, geographic unit and country senior managing director – Accenture in India. “Businesses in India must place equal emphasis on using digital to drive efficiencies at the heart of the business and using the freed-up funds to drive strategic investments in new products, customer experiences and business models that create long-term value.”

For example, Accenture research has found that industrial equipment companies globally could reduce their total cost per employee by almost 20 percent and increase their market capitalization by nearly 25 percent if they combine innovative technologies such as autonomous robots, artificial intelligence, blockchain, big data and 3D-printing.

Indian manufacturers have been struggling to achieve globally competitive scale and productivity. While the industrial sector in India has grown 6 percent annually since 2011, to more than US\$700 billion in 2016, the value addition per employee is one of the lowest in the world, at only US\$6,000.

### **An Action Plan for Success**

The Accenture report suggests that the right combination of digital technologies could help Indian industrial companies address this issue, as the technologies hold the potential to drive dramatic efficiency improvements and exponential revenue growth. Specifically, the report recommends that companies adopt a new approach that Accenture refers to as [Industry X.0](#). It is an action plan for becoming more adept at embracing technological change and digital technologies to manage the shift from industrial manufacturing to producing and delivering digital products and services and supporting them in the field.

According to the report, Indian businesses should take six actions to derive value from Industry X.0:

- Transform the core: Drive new levels of efficiency by building core engineering and production

# CIMdata PLM Industry Summary

---

systems around digital technologies. Ensure that physical machines and software systems are tightly integrated for predictive maintenance, and help scale automation to optimize production runs and improve overall equipment effectiveness.

- Create hyper-personalized experiences: Design and deploy products, services and platforms that constantly adapt to changing customer needs. Use big data to generate real-time insights to enable decision making, and enhance the customer and workforce experience through smart, digital touchpoints.
- Innovate business models: Create new business models to drive differentiated customer value propositions well beyond the point-of-sale interaction. Use the internet of things (IoT) and Industrial IoT to develop connected and intelligent products that can be monetized via software-based-services and pay-per-use revenue models.
- Build a digital ready workforce: Recruit, train and retain talent with skills, such as software engineering and machine learning, for the digital enterprise. Encourage collaboration between people and machines.
- Build new ecosystems: Build an ecosystem of supply chain partners including start-ups and customers to scale new digital business models rapidly. Tap into internal and external sources for new ideas, while nurturing innovation clusters to prototype early-stage technology use cases.
- Pivot Wisely: Synchronize innovation and growth through balanced investments in the core business and in new business. Stay focused on traditional performance metrics while keeping an eye on disruptors, and continuously inject digital technologies into mainstream operations.

“Industry X.0 will unleash a new level of energy into the manufacturing industry,” said Raghu Gullapalli, managing director - industrial, Asia Pacific, Africa, Middle East & Turkey (AAPAC), Accenture. “To harness the true potential of digital for profitable growth in the future, Indian companies need to look at immediate-term value extraction from legacy data and build a progressive roadmap for connecting their products, equipment, supply chain, people and customers. Companies that embark on this journey in a holistic manner today will emerge as the digital leaders of tomorrow.”

Read the full report: [Reinventing Businesses with Industry X.0](#)

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

## ***CBX Software Opens Subsidiary in Germany***

8 February 2018

[CBX Software](#) announced today they have opened a subsidiary in Munich, Germany.

“Europe has always been at the forefront of our growth strategy,” says Michael Hung, CEO of CBX Software. “It’s very important for CBX to create a more efficient experience for our European customers such as Lidl, ICA, El Corte Ingles, and Steinhoff International to name a few. Additionally, we are extremely competitive within new opportunities in the region and as such we need to build out a services and support team to deliver world-class implementations closer to customer head offices.”

CBX has experienced tremendous growth over recent years and is proud of its positive net asset value YOY for the past 18 years. CBX is financially healthy, has never borrowed institutional money and has

# CIMdata PLM Industry Summary

---

a 3 year plan to employ a large dedicated European team based in the Munich office. CBX is celebrating over 20 years of being a part of the retail industry. Over those years more than 90 of the world's leading retailers, brands, trading companies throughout Europe, Asia and North America and thousands of suppliers, have relied on CBX to reengineer and streamline their global retail supply chains.

“Today we're celebrating a very important milestone in our expansion strategy and contributions to the retail ecosystem throughout Europe,” says Andre von Appen, Vice President Europe, CBX Software GmbH. “We already have a very strong base of customers in the region and now we'll be able to provide them with even more robust customer service, truly working as a partner in the Retail PLM, sourcing and supply chain space.”

Ranked as one of the [30 fastest growing companies in Asia](#) by the Silicon Review and recently awarded a [Green Supply Chain Award](#) by Supply & Demand Chain Executive, CBX is poised to continue their documented success by delivering solutions that not only offer a multitude of mobility options, but more importantly leveraging the Cloud and all the advantages that a true multi-tenant architecture can offer to the global marketplace.

 [Click here to return to Contents](#)

## ***cloudplan becomes Cloud Solution Partner of Deutsche Telekom***

9 April 2018

cloudplan offers Private Cloud as a Service (PCaaS) business solutions. These are as easy to use as Public Clouds, but rely on the security, availability and performance Private Clouds offer – including 100 % data sovereignty. This allows businesses to combine their local storage nodes with cloud storages – e.g. from the Open Telekom Cloud – into hybrid storage architectures.

Public cloud services have seen a boom in recent years, with more than 65% of all companies in 2017\* already using them.

Easy-to-understand products such as virtual servers e.g. from Open Telekom Cloud can be used for easy scaling, cost savings and redundant infrastructures. However, even a virtual server must be equipped with additional software in order to create a value for the needs of a company.

With the rapid integration into the storage landscape of the company, the comprehensive management and the integration of local and virtual structures, cloudplan realizes a significant utility value for the customer.

SMEs and Enterprises can seamlessly implement their digitization strategy step by step without having to compromise.

Frank Brüggemann, CEO cloudplan: "Currently it is extremely complex, expensive and tedious for companies to create a real “Private Cloud” with 100% data sovereignty from a pure basic infrastructure such as virtual and local servers. Decentralized intelligence built into the product eliminates this complexity and offers a globally scalable infrastructure that can be operated extremely securely and without much IT know-how. "

# CIMdata PLM Industry Summary

---

Sonia Brinkmann, Multi Cloud Channel Manager at T-Systems: "We are always looking for innovative solutions for our customers. The cloudplan solution is a valuable and flexible product that offers a "Private Cloud" solution for our customers based on the Open Telekom cloud. Especially hybrid structures in customer projects turned out to be a challenge. By now, these are greatly simplified."

 [Click here to return to Contents](#)

## ***IBM Joins the Sovrin Foundation as a Founding Steward***

4 April 2018

The Sovrin Foundation, a private-sector international non-profit, and IBM today announced the addition of IBM as a founding Steward of the Sovrin Network. As a Steward, IBM will collaborate with other Sovrin Stewards to create, operate and maintain the foundation's decentralized digital identity network.

The foundation operates as a global public utility designed to provide permanent, private and trustworthy identity for every entity on the Internet. Along with other Stewards, IBM will dedicate hardware, security and network capacity to assist in the operation of this self-sovereign identity network which uses distributed ledger technology, or blockchain, to enable the secure exchange of cryptographically-signed credentials to prove the digital identity information in the identity owner's possession.

In a digital economy, individuals and businesses need to establish secure, private and trusted transactions. However, the current centralized identity system is flawed. In 2017, more than 2.9 billion records were compromised from various security incidents across industries.\* These damaging and costly security breaches are a consequence of the Internet being developed without a true identity layer. To address this infrastructure flaw, the Sovrin Network was purpose-built to add the missing identity layer to the Internet and provides a complete approach to identity from the distributed ledger to device, making secure and private self-sovereign digital identity possible for the first time in history.

"The Sovrin technology is poised to change the nature of identity interactions for untold millions of people, organizations and connected devices," said Dr. Phil Windley, chair of the Sovrin Foundation. "IBM's position as a leader in blockchain technology and their commitment to supporting and solving the problem of identity for all makes them a natural partner in this effort."

"We believe that the adoption of blockchain is an opportunity for a new trust model to take hold where individuals and organizations can securely share private information and credentials without an intermediary. This new model gives control back to the individual, who defines how personal information is shared and with whom," said Marie Wieck, General Manager, IBM Blockchain, "Through our partnership with Sovrin, IBM can help individuals and organizations accelerate adoption of self-sovereign identity standards as a critical component for responsible data stewardship."

IBM and the Sovrin Foundation share a common vision that every individual, organization, and connected device have its own truly independent digital identity, in order to form more trusting interactions. To help achieve this vision and ensure these digital identities are interoperable at a global scale, Sovrin Foundation Stewards run open source distributed ledger technology administered by the Hyperledger Foundation, as Project Indy.

The journey toward global decentralized self-sovereign identity begins with a strong commitment to standards and interoperability. This first of its kind self-sovereign identity network was created by an

# CIMdata PLM Industry Summary

---

international team of experts, including IBM, across a diverse group of organizations. It is based on emerging standards from the World Wide Web Consortium (W3C) that standardize the format of digitally-signed credentials. These verifiable credentials enable the cryptographically secure, peer-to-peer exchange of identity information in a manner that mimics the way identity attributes are exchanged in the physical world. The use of public blockchains provides decentralized registration and discovery of the public keys needed to verify digital signatures. These two capabilities enable a new way to establish a global public utility for self-sovereign identity—lifetime portable digital identity that does not depend on any central authority and protects privacy at the levels required by regulators around the world. In addition, self-sovereign identity solutions such as Sovrin can be used with enterprise fraud protection and authentication solutions like [IBM Security Trusteer](#) and [IBM Security Cloud Identity](#).

 [Click here to return to Contents](#)

## ***Lifeboat to Distribute CloudGenix***

5 April 2018

Lifeboat Distribution, an international value-added distributor for virtualization, security, business continuity and emerging technologies, announced today a distribution agreement with CloudGenix, the leading vendor in the SD-WAN space.

Lifeboat will sell CloudGenix for resellers and MSPs looking to offer customers the ability to leverage AppFabric SD-WAN, apply broadband internet, confidently integrate cloud and SaaS applications, gain improved visibility and actionable analytics, and streamline WAN operations while reducing cost.

"We look forward to working with CloudGenix and disrupting the traditional network market," said Dale Foster, Executive Vice President, Lifeboat Distribution. "Virtualizing the network is the last piece to truly creating a Software Defined Datacenter offering and CloudGenix is leading the charge."

"We are excited to partner with Lifeboat, a proven and leading value-added distributor. Our partnership with Lifeboat will allow us to enhance our partner experience and better enable partners to help customers take advantage of the value provided by AppFabric SD-WAN," said Joel Christner, Senior Director of Marketing at CloudGenix.

 [Click here to return to Contents](#)

## ***MTC to Launch Additive Manufacturing Apprenticeships***

26 March 2018

The industry leading Manufacturing Technology Centre is to launch the first apprenticeships in the UK dedicated to providing the skills needed for additive manufacturing (3D printing).

The MTC's additive manufacturing apprenticeship programmes will provide a pipeline of technicians fully skilled in one of the fastest growing advanced manufacturing technologies in industry.

Additive manufacturing, or 3D printing, is now employed across multiple manufacturing sectors in a variety of materials, producing everything from simple tools to major parts for aero engines. The MTC houses the National Centre for Additive Manufacturing (NCAM) bringing together the most

# CIMdata PLM Industry Summary

---

comprehensive combination of equipment and capability in the UK.

The MTC's learning design manager Martin Dury said the new apprenticeship programmes are to be launched in September this year and will address the current shortage of skills in this vital area of advanced manufacturing.

"While there are a number of additive training courses currently available in the UK, these tend to be focused on equipment use. The MTC is aiming to provide additive manufacturing apprenticeships that will cover the whole range of competences necessary for specific occupations. They will also offer accredited curricula of short courses to enable the up-skilling of existing staff," said Dury.

"We are currently writing competency frameworks that will define the knowledge, skills and behaviour required to operate in the various job roles in an end-to-end additive manufacturing production environment. These frameworks will then form the foundation for the apprenticeship programmes and short course curricula. We have spent the last three months consulting with industry, manufacturers, OEMs and academia to ensure the frameworks exactly match the needs of industry," he added.

Dury continued, "The Manufacturing Technology Centre is an acknowledged world leader in additive technology and the home of the National Centre for Additive Manufacturing. We have all the equipment and capabilities to deliver first class, sector-wide and technology agnostic programmes for apprentices or existing employees. The manufacturing industry is crying out for this and we will be able to make it available in a format which allows people to learn while earning, funded by the apprenticeship levy." Anyone with additive manufacturing expertise who would like to contribute to the design of these competency frameworks is invited to contact the MTC at [ncamskills@the-mtc.org](mailto:ncamskills@the-mtc.org).

The MTC aims to provide a competitive environment to bridge the gap between university-based research and the development of innovative manufacturing solutions, in line with the Government's manufacturing strategy. The MTC is part the High Value Manufacturing Catapult, supported by Innovate UK.

 [Click here to return to Contents](#)

## ***Schneider Electric Opens New East Asia & Japan Headquarters in Singapore***

29 March 2018

Schneider Electric today opened its new East Asia & Japan headquarters in Singapore, bringing together multiple operations across the island to one location to better serve customers and industry partners in Singapore and throughout East Asia & Japan. It was officially opened today by Deputy Prime Minister Tharman Shanmugaratnam, and Chairman & CEO of Schneider Electric, Jean-Pascal Tricoire.

### **First large-scale Innovation Hub in Asia**

As part of the launch, the Group has also established its first large-scale Innovation Hub in Asia, after Boston and Paris. This hub is a co-innovation platform with world-class facilities, enabling Schneider Electric to develop tailored solutions to optimise energy efficiencies for building, healthcare, data center, oil and gas and utilities segments.

Spanning over 18,500 sq. m and home to over 1,200 employees, the hub will bring together software engineers, solution architects and research scientists to work on Schneider Electric's EcoStruxure™, its open, interoperable, IoT-enabled system architecture and platform. EcoStruxure delivers enhanced value

# CIMdata PLM Industry Summary

---

around safety, reliability, efficiency, sustainability, and connectivity for our customers. EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level. This includes Connected Products, Edge Control, and Apps, Analytics & Services. EcoStruxure has been deployed in 480,000+ installations, with the support of 20,000 systems integrators, connecting over 1.5 million assets.

To deepen its R&D capabilities and expertise at the hub, Schneider Electric is setting up a Machine Solutions Research & Development (R&D) team focusing on the enhancement and connectivity of controllers, communication modules and InputOutput modules. This team is one of four Machine Solutions R&D teams globally.

## **Strengthening Schneider Electric presence in East Asia & Japan**

In an effort to foster industry partnerships to strengthen the ecosystem, as well as advance capabilities of the sector to deliver better value to customers, Schneider Electric is providing the opportunity to acquire cutting-edge digital integration competencies at the Innovation Hub through its EcoXpert™ Partner Program. EcoXpert develops partnerships between Schneider Electric and the world's leading technology providers with best-in-class systems integration competencies in building optimisation, reliable infrastructures, and energy management. Together, EcoXpert companies can form a network of local and regional certified partners, to deliver greater business value, customer satisfaction, and sustainable success.

“We are proud to launch our state-of-the-art Innovation Hub here in Singapore. This opening reaffirms our commitment to East Asia & Japan as key markets for our business, and signifies the growth opportunities that we see in the region. As the leader in digital transformation of energy management and automation, we will continue to work towards strengthening the tools and capabilities for our customers and partners to go digital, through our Internet of Things (IoT) enabled approach.” said Jean-Pascal Tricoire, Chairman & CEO, Schneider Electric.

Schneider Electric currently collaborates with 50 SMEs in go-to-market operations and digitalisation programmes. It is also working with distributors to set up e-commerce platforms, allowing them to perform 80 percent of their transactions digitally. Through the years, the Group has developed long

## **New partnerships with leading Singapore universities**

To widen collaborations in human capital development and new technologies, Schneider Electric has signed agreements with Nanyang Technological University (NTU) and National University of Singapore (NUS) to develop future leaders through educational and training internships for students and the collaboration and development of current and new technologies in Singapore and globally.

Dr. Beh Swan Gin, Chairman, Singapore Economic Development Board, said: “Schneider Electric’s new regional headquarters and Innovation Hub are important additions to the Singapore landscape and will help more companies, buildings and factories go digital. In particular, we are pleased that Schneider has chosen Singapore as its strategic base to innovate and collaborate with local small and medium enterprises as well as customers from the region.”

As per Schneider Electric’s commitment to becoming fully carbon neutral by 2030, the new East Asia & Japan headquarters was retrofitted at a cost of S\$23 million and is Schneider Electric’s first building in East Asia & Japan to use a hybrid electricity power source powered by solar panels installed onsite and offsite. Powered by Schneider Electric’s own smart building management solutions, it is the first office building to qualify for a BCA Green Mark Platinum Award by the Building and Construction Authority

for Existing Non-Residential Building Pilot Version 2017.

[!\[\]\(e664663439e6ace920117d2b3d75b910\_img.jpg\) Click here to return to Contents](#)

## ***Simio's 8 Reasons to Adopt Industry 4.0***

12 April 2018

As a provider of simulation-based Production Scheduling software to many Smart Factories, Simio is often asked about the benefits of embracing Industry 4.0 in manufacturing.

"Our simple answer is that the 4th Industrial Revolution is happening right now, not in the distant future," says Gerrit Zaayman, Simio's Vice President of Scheduling and Digital Transformation. "The technology already exists to manufacture in a whole new, and better, way."

"When companies adopt Industry 4.0 methodology, they work digitally, harnessing the benefits of Big Data, Analytics, AI and Cloud Technology to work with connected devices and intelligent schedules. The result is a responsive operation with absolute control over its demand, inventory and production processes."

### **8 reasons companies will benefit from Industry 4.0**

#### 1. Higher Productivity

The ability to manufacture different products, at higher speeds and quality, with improved supply chain and distribution facilities, as well as faster decision making throughout, allows the Smart Factory to run at much greater efficiency.

#### 2. Agile Processes

Flexible manufacturing allows for shorter production runs and more customization, improving the product range, mix and scalability. A company is able to collaborate with customers and suppliers over their specific needs and to accommodate any constraints.

#### 3. Rapid Innovation

Experiments and prototyping can be performed quickly and even virtually using 3D design capabilities. Involving customers, suppliers and employees in the entire design and production process leads to better decision outcomes.

#### 4. Reduced Costs

High levels of automation in Industry 4.0 require fewer people and result in less wasted materials and more efficient operation, with the effect of a direct lowering of operating costs.

#### 5. Increased Revenues

The opportunity for the Smart Factory to supply higher value and better quality products to larger markets means that customer loyalty and more stable contracts can be achieved.

#### 6. Better workplace

Staff are valued and supported by the addition of technology to their functional operations. Ergonomic

# CIMdata PLM Industry Summary

---

workstations, improved training and collaboration make for safer and more fulfilling roles that allow for development within the company.

## 7. Improved Communication

High volumes of detailed data is collected, stored, processed and shared, providing valuable information about every step of the planning and production stages, reaching even further to inform service and support. Better information flow facilitates scheduling and prevents downtime or breakdowns, as well as promoting a more connected work environment.

## 8. Customer Satisfaction

Providing the customer with perfect quality at low cost and great availability, Industry 4.0 operation can't help but makes customers happy. Quick resolution of issues and excellent service ensures that they won't ever go anywhere else.

As an essential component of Smart Factory operation, Simio's simulation-based Production Scheduling software facilitates these benefits, integrating prebuilt objects with flexible modeling techniques to provide the most accurate portrayal of processes.

With Simio, the unpredictable can be predicted, viewed and documented, "What If..." questions can be answered and scenarios modeled. The end result is that costly manufacturing mistakes can be avoided, maintaining productivity and performance to ensure that the business capitalizes fully on the benefits of Industry 4.0 operation.

 [Click here to return to Contents](#)

## Events News

### ***CGTech to showcase VERICUT Composites Applications software at SAMPE***

13 April 2018

At SAMPE, May 22-23, 2018, CGTech will demonstrate how advanced programming strategies and simulation can lead to better composite parts. Throughout the show, in booth L38, CGTech will demonstrate Composites 8.1, the latest versions of VERICUT Composite Programming (VCP) & VERICUT Composite Simulation (VCS).

CGTech's Composites 8.1 release of VCP and VCS features a completely redefined Graphical User Interface (GUI), enhanced suite of programming and analysis tools, and redefined methodology through the use of the powerful new Laminate Manager. The Laminate Manager helps users easily manage files, processes, and batch actions for the entire composite laminate. Internal refinements ensure that large projects are now able to be programmed and simulated in a fraction of the previous time.

CGTech will also exhibit its latest version of VERICUT 8.1 software. VERICUT is the industry standard for CNC machine simulation, verification and optimization software that enables users to eliminate the process of manually proving-out NC programs. VERICUT simulates all types of CNC machining, including drilling and trimming of composite parts, water jet, riveting, robotics, mill/turn and parallel kinematics. VERICUT runs standalone, but can also be integrated with leading CAM systems.

# CIMdata PLM Industry Summary

---

“Due to the extensive time, energy, and labor invested in composite workpieces prior to machining, they can often be more expensive than even some exotic metal alloy parts,” said André Colvin, CGTech’s Composite Product Manager. “Repairing composite workpieces after a machining error is problematic and many times not advisable. Thus, validating the part program prior to trimming is exceedingly critical. Simulation also decreases machine downtime by eliminating the need for wasteful dry runs.”

Visitors to CGTech’s booth will also get information on new projects that highlight the implementation and use of machine independent off-line NC programming software for AFP and ATL machines, such as the work being done at NASA’s Langley Research Center using a 16-tow Electroimpact automated fiber placement machine. Current customer projects to be highlighted include extensive use of robots, lasers, probing, and ultrasonic knives.

 [Click here to return to Contents](#)

## ***PROS Announces Participation in Hannover Messe***

10 April 2018

**PROS**® today announced plans to participate in [Hannover Messe 2018](#), the world’s leading exhibition for industrial technology. The international conference, held annually in Hannover, Germany, is scheduled for April 23-27. More than 200,000 attendees and 5,000 exhibitors that cover virtually every manufacturing discipline and trend are expected to attend. PROS works with many manufacturers around the world and will showcase its cloud-based solutions at Microsoft’s booth in the [Digital Factory](#) fair.

At Hannover Messe, PROS plans to feature its SaaS-based [Smart CPQ](#) and [pricing](#) solutions built using Microsoft Azure. These intelligent platforms, embedded with artificial intelligence and machine learning algorithms, are designed to help manufacturers configure, price and sell products with speed, precision and consistency across their direct, partner and eCommerce channels to deliver personalized buying experiences.

“Manufacturers in every corner of the world are undergoing strategic business transformations to accommodate customer expectations in the digital era,” said PROS Chief Marketing Officer [Celia Fleischaker](#). “Today’s manufacturers must employ solutions that enable them to support the complexity of B2B selling models across both traditional and eCommerce channels. PROS solutions make it possible for manufacturers to accelerate sales and drive profitable growth as they pursue a path to digital transformation. We look forward to sharing our innovations with prospects and customers at Hannover Messe.”

[Çağlayan Arkan](#), Microsoft General Manager for Worldwide Manufacturing and Resources Industry added: “Leadership in the digital era brings people and companies together, enabling organizations to optimize for growth, innovation and operational excellence. We see companies like PROS with solutions embedded with artificial intelligence and machine learning empowering their sales teams with faster response times and smarter outcomes that help drive growth.”

 [Click here to return to Contents](#)

## ***T-Systems to present PLM cloud service at Hannover Trade Fair***

9 April 2018

Deutsche Telekom's T-Systems will present its Product Lifecycle Management (PLM) Cloud service during the Hannover trade fair this year from 23 to 27 April. T-Systems' PLM Cloud combines a variety of PLM systems with end-to-end processes, user support and high data privacy standards to help companies digitise and accelerate their product development processes.

With the PLM Cloud, companies can use their own software licenses or software from PLM specialists integrated into the cloud by T-Systems, enabling customers to choose among a diverse range of vendors depending on their own needs and requirements.

 [Click here to return to Contents](#)

## ***Workshop on the social consequences of Industry 4.0 with a focus on: changes in the employment world***

9 April 2018

Digitalization, automation, networking... The technical changes that Industry 4.0 brings with it are changing the society as well. This time we'll focus the related changes in the employment world. Human-machine-relations, risk of job losses, the psychological awareness and practical preparation of the employees today for the future, re-skilling and vocational education, new relations between working and private life, possible change of the labor relations and risk of social security, all these topics are wide-ranging yet interrelated. They will be discussed and debated on the interdisciplinary international workshop within scholars and representative from economy.

Time: April 13. 2018 (Friday), 9:30am-17:00pm

Location: Innovation-Lab, 3rd. Floor, Zhongde-Building,  
Siping-Campus of the Tongji University, Siping-Rd. 1239,  
200092, Shanghai

Language: English

Contact person: Dr. ZHU Yufang, German Studies Center of Tongji University

E-Mail: zhuyf@tongji.edu.cn

 [Click here to return to Contents](#)

## **Financial News**

### ***C3D Labs Reports Results for 2017***

13 April 2018

C3D Labs is pleased to announce that 2017 was its most successful year since entering the PLM components market five years ago. Revenues from the company's C3D Toolkit license fees increased in 2017 by 30%. The most important milestone of the year is the new contract with Altium, the world's

# CIMdata PLM Industry Summary

---

leading provider of solutions for designing electronics, in which chose C3D Toolkit to improve the 3D modeling of its Altium Designer flagship product.

Over the past year, C3D Labs landed contracts with nine new customers in the USA, India, China, Russia, and Turkey. Currently thirty companies, industrial firms, and universities are developing their software based on C3D Toolkit. The Russian-developed geometric kernel provides the basis for programming CAD, CAM, and CAE systems in the areas of mechanical, electronic, architectural, construction, and furniture design -- as well as mobile and Web applications and visualization modules for PDM systems.

In addition to Altium, companies that chose C3D Toolkit include EE Boost (USA), Dietech (India), Eremex (Russia), and MKA Software and Services (Turkey).

The strategy of C3D Labs always was to take aim at the global market, and as a result export earnings already account for 65% of C3D Toolkit licenses sold. The primary market is the USA, with sales to India, China, and South Korea reaching a significant share.

C3D Labs actively develops partnerships with the largest professional organizations in the field of software engineering by participating in significant PLM market events globally. In April 2017, C3D Labs held its first ever workshop for engineering software developers at the COFES conference (Scottsdale, Arizona, USA). In addition, a lightweight solid modeling kernel for the Teigha platform — C3D Modeler for Teigha — is being developed in cooperation with Open Design Alliance; this innovation was presented in September at the Teigha Developer Conference (Prague, Czech Republic). In November, an agreement to test the C3D Toolkit was signed by the members of the IntelliCAD Technology Consortium at their global conference (Auckland, New Zealand).

"Step by step, we are approaching our goal: to become a prominent player in the global PLM-components market," said **Oleg Zykov**, CEO of C3D Labs. "The results of last year show that our ambition is justified. Our software is a quality tool, with extensive functions and effective support, available at an affordable price. This puts it in demand by software engineers all over the world."

For 2018, C3D Labs plans to release a new version of its C3D Toolkit. Engineering software developers will be able to get acquainted with it at the upcoming [COFES conference](#) in the USA (April 12-15) and during the C3Days conference in Russia (May 17-18).

To see associated images and graphs, please visit <http://c3dlabs.com/en/news/items/?news=2697>

 [Click here to return to Contents](#)

## ***Dassault Systèmes First Quarter 2018 Earnings: Webcast and Conference Call Details***

9 April 2018

The company will release its first quarter 2018 earnings on April 25th, 2018.

The management of Dassault Systèmes will host a webcast at 8.30 AM London Time - 9.30 AM Paris Time, as well as a conference call at 9.00 AM New York Time - 2.00 PM London Time - 3.00 PM Paris Time, to discuss the Company's operating performance.

The webcast replay will be available until April 24th, 2019.

And you also will be able to listen to the conference call replay until April 24th, 2019.

 [Click here to return to Contents](#)

## Implementation Investments

### *Buccellati Sees Sparkling Future with Centric*

10 April 2018

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

"Our target is to open 88 new Buccellati brand stores around the world in the next five years and to grow the company so that it will become ten times the size it is now," says Gianluca Brozzetti, Buccellati Group CEO, "Buccellati is very prestigious and successful with a proud tradition of craftsmanship, but it is relatively small compared to its closest competitors. We want to make Buccellati a global, jewelry luxury brand. A project like this cannot be managed without the right systems."

Buccellati has invested significantly in technology in recent years, including an Enterprise Resource Planning (ERP) solution and frontline retail software. As Mr. Brozzetti explains, PLM was the missing piece of the puzzle.

"The existing software we had in-house was not sufficient for our growth plans and we needed a PLM solution that could provide the highest standard of support throughout the lifecycle of the product," says Mr. Brozzetti. "Until recently, many of Buccellati's designs and product charts were handwritten on paper. These are beautiful documents but of course it is not possible to easily share this information. To move into the future, we need total digitalization."

Mr. Brozzetti notes that Centric PLM was recommended by Buccellati's consultants, and that IT professionals in-house were in complete agreement that Centric will provide the best solution.

"When we looked at the features of Centric PLM, we knew it was right," says Silvia Rovati, IT Director Buccellati Group. "It easily communicates with our other software systems and we could see that Centric PLM has been adopted by companies that make jewelry. One of the characteristics of our business is that we measure products in several measurement units: grams of gold, carats of diamonds, hours of labor. Not every PLM is able to manage these parameters. It was quite an obvious decision with an immediate consensus."

Ms. Rovati continues, "PLM will track everything from the beginning of the creation of each product with in-depth product descriptions and costing. It will be possible to instantly generate monthly reports to analyze our profit margins. We are excited about linking the retail side to product development, including the use of PLM-connected digital catalogs on tablets for retailers and individual clients. We also want to connect stores, so we immediately know if a product has been sold in any store and can automatically begin to replenish that product."

"Working with the Centric team will help us to replace old habits with best practices," concludes Ms. Rovati. "We're looking forward to having a unique, reliable view of every product and assortment, digitizing our manual processes and doing business more efficiently."

"We are delighted to partner with Buccellati," says Chris Groves, President and CEO of Centric Software. "Creating handcrafted jewelry, watches and silverware is skillful work that requires high levels of precision and detail. We're looking forward to seeing our PLM solution as the foundation for

# CIMdata PLM Industry Summary

---

the unique characteristics of Buccellati's operations and the platform for their expansion in the coming years."

[!\[\]\(9ec46ccf39110b98e9de4be0362c59b6\_img.jpg\) Click here to return to Contents](#)

## ***C&A Mexico Migrates to NGC Software's Andromeda Cloud Platform for Agile Decision Making and Increased Speed-to-Market***

10 April 2018

[NGC® Software](#) today announced that C&A Mexico, part of an international Dutch chain of fashion retail clothing stores founded in 1841, is migrating to NGC's Andromeda Cloud Platform™.

C&A Mexico has successfully leveraged NGC's PLM solution since 2016 and will now migrate to Andromeda™ to better address the challenges of the changing retail environment. With the NGC Andromeda Cloud Platform, C&A Mexico will gain the supply chain transparency necessary for agile decision making and faster speed-to-market that is critical for the retailer's operations.

"We're honored that C&A Mexico has once again selected NGC," said Mark Burstein, president, NGC Software. "The added scalability and functionality of the Andromeda Cloud Platform will give the retailer the agility it needs under the company's new business model."

[!\[\]\(11e336dad78f2436226fb664886901af\_img.jpg\) Click here to return to Contents](#)

## ***Etisalat Selects NEC and Netcracker as Prime Integrator for its NFV Infrastructure Platform to Advance its Telecom Cloud Program***

5 April 2018

NEC Corporation and Netcracker Technology announced today that Etisalat has selected NEC/Netcracker as the prime solution provider for its multivendor telecom cloud program. NEC/Netcracker will provide systems integration services, operational tools, NFV orchestration and full automation in a DevOps mode to "cloudify" its network. As the prime integrator, NEC/Netcracker will also provide third-party hardware, VIM, SDN control and network equipment to create a full end-to-end cloud platform. Etisalat's companywide program, called the Sahaab initiative, will leverage [NEC/Netcracker's NFVI solution](#) to make its network more agile, responsive, scalable and efficient, enabling the deployment of advanced digital services.

Etisalat is the Middle East's leading communications provider, offering services to more than 160 million customers. Etisalat's Sahaab program will help it improve operational performance, reduce time-to-market for digital services and enable greater network elasticity.

NEC/Netcracker's open, [standards-compliant solution](#) will introduce new levels of automation for Etisalat, enabling the speed and agility required for optimizing virtual network function (VNF) performance. NEC/Netcracker's [NFV Orchestration solution](#), which can seamlessly scale to manage dynamic network services and virtual resources, will ensure that Etisalat's cloud-based network can support new digital services such as 5G, IoT and smart cities.

"As enterprises and residential customers embrace practices and lifestyles that use real-time digital

services, our network needs to be able to handle the dynamic nature of those offerings," said Esmaeel Alhammadi, Senior Vice President for Network Development at Etisalat. "NEC/Netcracker's NFVI solution empowers our network with the elasticity and responsiveness we need to deliver next-generation digital services to our customers."

"We are honored to have been selected by Etisalat as the prime overall integrator for this second-generation SDN/NFV cloud," said Shigeru Okuya, Senior Vice President at NEC. "NEC will leverage its global experience to support these new cutting-edge cloud-based digital services."

"The evolution of and increased demand for digital technologies has pressured service providers to transform their networks into more software-defined, cloud-based environments," said Alope Tusnial, CTO of SDN/NFV at Netcracker. "We are glad to help Etisalat make its important transition to a cloud platform, which will introduce more agility and automation in delivering innovative digital services."

[!\[\]\(57c18b879714b128ac3cf0d79c251988\_img.jpg\) Click here to return to Contents](#)

## Product News

### ***3MF Consortium Releases First Standardized 3D Beam Lattice Extension***

11 April 2018

The [3MF Consortium](#) (3MF) ratified and released its [Beam Lattice Specification Extension](#) to its [3MF Core Specification](#) today. The 3MF Beam Lattice extension is a new method for storing and transferring lattice-type geometry information. By providing support for beam lattices, 3MF solves a significant interoperability issue for the additive manufacturing industry and provides an elegant solution to a problem that is not easily addressed in other file formats. The benefits of using 3MF's Beam Lattice Extension in additive manufacturing are significant and broad and include improved design flexibility, lower material costs and reduced production time.

Designers and engineers can use the extension to take full advantage of the additive manufacturing process and design the interior of parts creating designs that were not possible to produce only a few years ago. As the extension inherits all the features from the [3MF Core Specification](#), it retains build information, colors, materials and technology specific characteristics like support structures – all in one compact and well-structured file. The 3MF Beam Lattice Extension is available to download at <https://3mf.io/specification/>.

"The 3MF Beam Lattice Extension simplifies creation of lattice structures for 3D printing in additive manufacturing environments," said Alexander Oster, chairman, 3MF Technical Working Group and director, Additive Manufacturing, Autodesk. "The central idea of this extension is to enrich the geometry notion of 3MF with beam lattice elements that can represent small-scale lattices as well as larger truss structures – both of which are quite inefficient to handle with a mesh representation, especially in cases where the element count grows into large numbers."

This is the fourth specification extension released by 3MF furthering its goal of providing a universal specification that serves as the backbone of the additive manufacturing ecosystem, and allows companies to focus on innovation, rather than on basic interoperability issues. The consortium provides open source code free of charge to keep the barrier of adoption to a minimum. Companies that have

# CIMdata PLM Industry Summary

---

adopted the 3MF Core Specification include: 3D Systems, Autodesk, Dassault Systèmes, HP, Materialise, Microsoft, nTopology, PTC, Siemens and Ultimaker. For a complete list of adoptions and partners: <https://3mf.io/adoption/>.

“Using lattice structures unlocks a key potential of additive manufacturing,” said Adrian Lannin, executive director, 3MF Consortium. “The 3MF Beam Lattice Extension to our core specification provides the most efficient expression of lattice geometry and moves the industry forward toward standardizing the software for an end-to-end 3D printing solution.”

 [Click here to return to Contents](#)

## ***Accenture Launches Intelligent Enterprise Platform to Help Companies Use Advanced Technologies that Fast-track Enterprise Transformation***

11 April 2018

Accenture is launching the Accenture Intelligent Enterprise Platform, an insight-driven, digitally integrated platform that powers enterprise transformation from business case to roadmap to delivery. The platform captures the most advanced and disruptive Accenture thinking around industry, innovation and technology to help companies reinvent themselves as intelligent enterprises.

The Accenture Intelligent Enterprise Platform helps companies make the right investments, navigate complexity and realize value quickly. The platform fosters collaboration along the entire enterprise transformation journey through a simplified, unified and guided approach. It starts with design thinking to identify specific business challenges and differentiators, and intelligent tools that assess current systems, processes, data and architecture against leading industry practices. Automation capabilities help to rapidly create a client-specific business case, roadmap and solution prototype. Further accelerating time to value is the platform’s ability to provision a tailored SAP® solutions environment using Accenture’s preconfigured industry and business function solutions combined with [Accenture myWizard](#) for agile delivery, [liquid application management](#) and continuous improvement.

The Accenture Intelligent Enterprise Platform embeds SAP Model Company services - prepackaged, ready-to-use, end-to-end reference services tailored to an industry or line of business. SAP Value Assurance service packages are also delivered in collaboration with Accenture and address all project phases. The Accenture Intelligent Enterprise Platform also connects SAP Cloud Platform and the SAP Leonardo digital innovation system to help customers innovate faster and the SAP Transformation Navigator tool to provide joint customers roadmap guidance to their digital future.

“Today’s markets require strategies and capabilities that drive profitable growth in sustainable ways by focusing on innovation and quick responses to change. With an intelligent platform, companies can gain insights that create unlimited opportunities for disruption,” said Paul Daugherty, Accenture’s chief technology & innovation officer. “With its client data-driven, insight-led approach and industry best practices and automation at the center, the Accenture Intelligent Enterprise Platform helps companies reshape their businesses to embrace the future and drive market advantage.”

To further future-proof and unlock new value from innovation, Accenture Intelligent Enterprise Platform enables co-innovation with the [Accenture Liquid Studio for SAP Leonardo](#) and is continuously

# CIMdata PLM Industry Summary

---

refreshed with new automation, optimization and IoT use cases that are fully integrated into industry and functional solutions.

“The Accenture Intelligent Enterprise Platform, combined with innovative functionality and broad process expertise of SAP Model Company and SAP Value Assurance service packages, will offer customers a solution to simplify and accelerate their digital transformation initiatives,” said Adaire Fox-Martin, member of the executive board of SAP SE, Global Customer Operations. “We look forward to working with Accenture to help businesses around the world become intelligent enterprises that innovate using SAP Cloud Platform as part of the Accenture Intelligent Enterprise Platform.”

“Bringing together the best of our innovations, the Accenture Intelligent Enterprise Platform is our latest example of New IT brought to life,” said Bhaskar Ghosh, group chief executive, Accenture Technology Services. “We can help maximize business outcomes by harmonizing common business processes and data by industry into a digital platform that can modernize our clients’ IT environments with speed and agility.”

Accenture and SAP will be introducing the Accenture Intelligent Enterprise Platform and SAP Model Company to more than 120 clients at the Accenture SAP Leadership Council, held April 15-17 in Los Angeles, California. The Accenture Intelligent Enterprise Platform and SAP Model Company will also be showcased at SAPPHERE® NOW, held June 5-7 in Orlando, Florida.

 [Click here to return to Contents](#)

## ***Alibre Releases Design 2018 3D Product Design Suite***

12 April 2018

Alibre, LLC announced the first major release of Alibre Design for 3D product design since 2017. New in this release:

A fully updated technology component stack

On-premises licensing options for secure environments

A viewer option for design inspection by stakeholders

Better support for high resolution (4k) displays

Import support for SOLIDWORKS 2018 and Autodesk Inventor 2018 parts and assemblies, and Parasolid v30

Miter flanges in sheet metal design

A new Home Window with recently used thumbnails and quick access to free training and community resources

“This major refresh of Alibre Design provides our customers access to a cutting-edge design platform. This is the first of several exciting releases we have planned for 2018 that will continue to accelerate the growth of our product and our customers’ productivity,” said Max Freeman, CEO of Alibre, LLC.

 [Click here to return to Contents](#)

## ***CircuitData can solve the design to manufacturer communication challenge – version1 successfully released***

6 April 2018

CircuitData is an open source solution by which the industry can come together to finally speak a common language for article specification. Version1 is now successfully launched.

“Over my 25 year tenure in the PCB manufacturing and EMS industries, communicating the clear intent of a design to manufacturers has gotten worse, not better, creating incredible frustration and inefficiency in a market that demands speed and reliability. CircuitData is an open source solution by which the industry can come together to finally speak a common language for article specification,” says Judy Warner Director of Marketing, Community Engagement at Altium.

An addition, not replacement

“This language works inside of ODB++ and IPC-2581 and does not replace them. It speaks through computers, not outdated, inefficient PDF files which contain wildly disparate terms that may mean the same thing—or not! CircuitData has opened the door for us to begin speaking the same language and finally communicate crystal clear manufacturing intent. All of this value at no cost, along with an invitation to collaborate industry-wide. CircuitData absolutely has my vote. Industry 4.0 here we come,” says Warner.

### **Digging into the details**

Where version 0.8 was essentially describing the summary of the PCB, version1 goes into details. It describes every layer and every process. CircuitData was launched last year and has over the months evolved as a complete language thanks to feedback from the PCB industry at [www.circuitdata.org](http://www.circuitdata.org).

“Feedback, discussions, and questions are crucial for the further development of the language. How we describe layers are a good example of this. We started out with one description, discussed this, and decided that instead of using ‘layer’ on only the conductive layers in a stack up, we use it on pretty much everything. A peelable mask would be a layer, so would the legend and of course, the conductive layers,” says Senior Technical Advisor at Elmatica and Chairman of CircuitData, Jan Pedersen.

### **Important and helpful new additions**

Other changes in the new version is a new section for processes that take the same approach as layers: Every process is described with its function. Profiles and Capabilities are totally rewritten. This makes it possible to create e.g. one profile that would be matched against all layers of a certain function.

“Another hot addition to CircuitData is the implementation of the new material database. Talking about this at IPC APEX Expo was a true eyeopener for several industry experts,” says Pedersen.

CircuitData.org offers a database, primarily designed for developers, that will hold material data relevant to printed circuits. The purpose of the database is to present data from different sources having one generic structure compatible with the CircuitData language.

“At the moment data is retrieved from one source, COMMODITY.LIVE, but the project is open to accept any number of sources. The CircuitData board will be the approval instance for any new sources, in addition to code and change requests,” says Pedersen.

 [Click here to return to Contents](#)

## ***Cityzenith Launches Smart World Pro for Architects and Property Owners***

5 April 2018

[Cityzenith](#) today announced the commercial launch of its much-awaited Smart World Pro 3D data platform, a new high-performance version of the company's flagship Smart World product for Architects and Property Owners. The "Digital Twin Data Platform of Choice" for the building industry, Smart World Pro revolutionizes the way Architects and Property Owners use public, project, and property data (spatial and non-spatial) to make better decisions during the planning, design, and operational phases of the building lifecycle, unlike any tool in the market today.

For the first time, users can aggregate BIM, CAD, CRE, and GIS tools, spreadsheets, documents, IoT and BMS sensor feeds, social media posts, etc., all in one universal 3D data platform that anyone can easily use. Just "drag and drop" your BIM and GIS files right into Smart World to get started on your journey into a new world of data and advanced analytics. You will never do a project the same way again.

Users can also ASQ questions of their data like never before, and execute complex queries using "everyday language" that search through thousands of curated city and project data layers in seconds to find and visually display results.

What's more, with the release of Smart World Pro, the company has introduced Mapalyze, a new app suite of analytics tools that allow users to run project analysis on the fly, and export and share results in seconds. New apps in this release include View Corridor and Zoning Analysis, Traffic and Microclimate Simulation (via third parties), and more. Cityzenith is now collaborating with leading universities to expand the suite of apps in the Mapalyze store, integrating computational tools developed by the world's greatest minds that will soon offer customers a full range of analytics options.

Smart World Pro is built on the Unity game engine, offering navigation speeds 10x faster than the previous version, and provides users access to thousands of 3D city models from OpenStreetMap in over 200 countries, and 10's of 1000's of curated public data layers. We also transitioned to Mapbox for our map and satellite imagery to ensure our data is always accurate and up to date. For advanced users, a new command line tool allows you to batch upload models, invite multiple users, and even tap into APIs.

 [Click here to return to Contents](#)

## ***Cohesive Solutions Inc. Launches Propel Solution for E-Business Suite***

11 April 2018

Propel now offers innovative solutions for measuring operational performance leveraging Oracle E-Business Suite (EBS). In conjunction with IBM Maximo or any other Enterprise Asset Management system, Propel now broadens the ecosystem of key business processes under measurement for organizations seeking to continuously improve their operations. Propel offers an out of the box data model that supports an organization's key business processes: Asset and Reliability Management, Maintenance, Materials, Supply Chain, HR, and Environment, Health and Safety (EHS). It also provides

the ability for the client to enhance these and expand to additional key business processes.

Using Propel, organizations can ensure that operational processes maintain alignment with their underlying business objectives. Propel federates data from multiple sources, such as Oracle EBS or any business system, providing centralized aligned Key Performance Indicators (KPIs). Individuals and teams responsible for performance can define and manage continuous improvement initiatives while Propel's automation capabilities monitor business conditions in the background. It is the seamless solution for those pursuing various management strategies, such as Lean Six Sigma, to improve their business.

 [Click here to return to Contents](#)

## ***Elmatica Releases CircuitData Version 1***

6 April 2018

Elmatica has released Version 1 of CircuitData, an open source solution by which the industry can come together to finally speak a common language for article specification.

“Over my 25-year tenure in the PCB manufacturing and EMS industries, communicating the clear intent of a design to manufacturers has gotten worse, not better, creating incredible frustration and inefficiency in a market that demands speed and reliability. CircuitData is an open source solution by which the industry can come together to finally speak a common language for article specification,” says Judy Warner, director of marketing, community engagement at Altium.

### **An Addition, Not Replacement**

“This language works inside of ODB++ and IPC-2581 and does not replace them. It speaks through computers, not outdated, inefficient PDF files which contain wildly disparate terms that may mean the same thing—or not! CircuitData has opened the door for us to begin speaking the same language and finally communicate crystal clear manufacturing intent. All of this value at no cost, along with an invitation to collaborate industry-wide. CircuitData absolutely has my vote. Industry 4.0 here we come,” says Warner.

### **Digging Into the Details**

Where Version 0.8 was essentially describing the summary of the PCB, Version1 goes into details. It describes every layer and every process. CircuitData was launched last year and has over the months evolved as a complete language thanks to feedback from the PCB industry.

“Feedback, discussions, and questions are crucial for the further development of the language. How we describe layers are a good example of this. We started out with one description, discussed this, and decided that instead of using "layer" on only the conductive layers in a stack up, we use it on pretty much everything. A peelable mask would be a layer, so would the legend and of course, the conductive layers,” says Jan Pedersen, Senior Technical Advisor at Elmatica and Chairman of CircuitData.

### **Important and Helpful New Additions**

Another change in the new version is a new section for processes that take the same approach as layers: Every process is described with its function. Profiles and capabilities are totally rewritten. This makes it possible to create, for example, one profile that would be matched against all layers of a certain function.

# CIMdata PLM Industry Summary

---

“Another hot addition to CircuitData is the implementation of the new material database. Talking about this at IPC APEX EXPO was a true eye opener for several industry experts,” says Pedersen.

[CircuitData.org](#) offers a database, primarily designed for developers, that will hold material data relevant to printed circuits. The purpose of the database is to present data from different sources having one generic structure compatible with the CircuitData language.

 [Click here to return to Contents](#)

## ***Innovit Introduces Pre-Configured, Entry-level PIM System***

10 April 2018

[Innovit](#) announces the release of PIM Lite, the industry's first pre-configured, cost-effective, entry-level product information management system for small to mid-sized suppliers. Developed as a low-cost, easy to deploy solution for suppliers, PIM Lite improves data quality, data governance and automates syndication of product data to trading partners, whether via GDSN, or non-GDSN standards.

Manufacturers and suppliers need key business strategies for capturing and mobilizing product content that customers can rely on and retailers can depend upon. "Unfortunately, this process is much more challenging for small to medium size suppliers," said Bang Chau, VP of Business Development at Innovit. "So, we're thrilled to deliver an ideal solution at a very competitive price point."

"With PIM Lite, our goal is to improve data quality levels and automate data syndication for trading partners affordably," said Karin Borchert, Chief Executive Officer of 1WorldSync, a key implementation partner of Innovit. "Partnering with Innovit is an important milestone in this effort and one we know will greatly benefit our mutual customers."

PIM Lite provides suppliers with:

- A reliable application to manage product data and digital assets to establish a single "source of truth."
- Improved data quality with pre-configured validation rules.
- Advanced data governance with PIM workflows to automate processes such as new item introductions and item changes.
- M2M syndication of validated product data thru a XML connection to the GDSN, and easily export item data to XML, Excel, and CSV.

For more information on Innovit, please visit <http://innovit.com>.

 [Click here to return to Contents](#)

## ***JTB Raster2OLE for AutoCAD Version 1.2***

11 April 2018

Announced on the JTB blog:

# CIMdata PLM Industry Summary

---

“JTB Raster2OLE has been updated to version 1.2.

Added support for rotated, mirrored raster images

Fix undo action

AutoCAD has no Bind option available to bind raster images to a drawing. JTB Raster2OLE app for AutoCAD will help you to bind the attached images.

It even works for some images that IEMBED command in Raster Design fails to embed.”

<https://blog.jtbworld.com/2018/04/jtb-raster2ole-12-bind-attached-images.html>

 [Click here to return to Contents](#)

## ***Lectra’s Cloud Applications take the Fashion World by Storm***

10 April 2018

Lectra releases its first of a series of cloud-based applications conceptualized for product development and production teams. Quick Estimate and Quick Nest will be launched in France and Italy and will then become available progressively in other countries.

As part of Lectra’s Industry 4.0 strategy, Lectra collaborated with its leading, digitally-attuned customers to develop apps that empower decision-makers to respond in an instant.

Quick Estimate revs up product development efficiency and is instrumental to managing costs. Quick Nest provides easy access to automatic marker making and capitalizes on cloud technology to handle heavy volumes of calculations in parallel, maximizing productivity and marker efficiency.

Leveraging the industrial Internet of Things, lean development principles and cloud-based computing, Lectra aims to provide anytime, anywhere access to business enhancing applications. Gone are the days of limited storage space and slow calculation speed. These well-packaged, light cloud applications will redefine the way fashion customers store and process data.

Fabric often accounts for as much as 60% to 70% of the cost of a garment. Quick Estimate allows product development teams to calculate fabric requirements instantly from their Modaris®—Lectra’s 2D/3D patternmaking and grading solution—working environment with direct access to the cloud applications. Pattern developers now have the flexibility to make pattern adjustments more quickly to optimize costs, while protecting the brand’s quality and assuring speed-to-market

Quick Nest can be accessed through Diamino®, Lectra’s marker-making solution. During the production development stages, Quick Nest users will be able to process more detailed markers faster. Quick Nest can also be used by production teams to treat lists of markers automatically in record time via the cloud.

These apps will also ensure enterprise-wide transparency as management teams gain full visibility of consumption needs for all products in development and production, thanks to viewable access of consolidated data for approval and reporting purposes.

“The end-goal of our new strategy is clear: we want to put our customers at the core of our business. We want them to thrive in this new digital era. Our latest Industry 4.0-friendly apps will serve as growth catalysts for their businesses by enabling them to make sound decisions based on real-time information,”

# CIMdata PLM Industry Summary

---

explains Daniel Harari, Chairman and Chief Executive Officer, Lectra. "And this is just the beginning. More innovative apps are yet to come."

[!\[\]\(7803df19e2f64b9d8f5d703b85a358d0\_img.jpg\) Click here to return to Contents](#)

## ***LINK3D brings blockchain technology to Additive Manufacturing***

9 April 2018

For AM, blockchain technology offers a trusted middleware to stabilize an untrusted distributed network that continues to gain momentum and popularity in major industries.

Vishal Singh, LINK3D's CTO and Co-founder, stated, "Blockchain technology can be utilised as the backbone technology in the digital manufacturing ecosystem. Our technology is the first of its kind and will absolutely simplify and secure 3D printing processes for all industries."

[To learn more, please visit www.link3d.co.](http://www.link3d.co)

[!\[\]\(40ff4926cc4e80920dcd6e30a3ae173f\_img.jpg\) Click here to return to Contents](#)

## ***Mentor expands the Veloce emulation platform with Veloce StratoT***

5 April 2018

Mentor, a Siemens business, today introduced the Veloce® StratoT, which expands the footprint choices and configuration options available from its Veloce Strato™ emulation platform family. The Veloce Strato platform is a third-generation, data-center friendly emulation platform, and the only emulation platform on the market with full scalability across both software and hardware. In addition, the Veloce Strato platform is the first emulation platform in the industry to establish a roadmap to 15 billion gate capacity.

The Veloce StratoT features a unique footprint that expands capacity options and demonstrates continuity in the capacity roadmap for the Veloce Strato platform. The Veloce StratoT supports designs from 40 million gates (MG) up to 1.25 billion gates (BG) depending on configuration, features power consumption of 17kW, and represents an ideal solution for data center applications. A fully loaded Veloce StratoT supports up to 32 independent users, and delivers the best power-per-gate on the market. With the expansion of the Veloce Strato platform, customers now have a secure roadmap for significantly increasing emulation capacity within the same hardware family, while protecting their initial investment and achieving best cost of ownership.

"What we appreciate most is that the Veloce Strato roadmap not only addresses growing capacity needs, but it also maps to the diverse and expanding challenges of HW/SW validation," said Nasr Ullah, senior director of Samsung Electronics PowerPerformance architecture team, SARC (Samsung Austin Research Center). "With the Veloce Strato emulation platform we get more than just talk about 'shift left', we get technology that makes the shift left promise a reality in a way that can be easily executed in our existing verification environment."

"Since its introduction in February 2017, the Veloce Strato platform has earned rave reviews from customers across a wide range of applications," said Eric Selse, vice president and general manager of

# CIMdata PLM Industry Summary

---

the Mentor Emulation Division. "Customers like the scalability of the Veloce Strato platform, and now the new Veloce StratoT gives them even more options relative to capacity and footprint. Based on customer feedback, there is clear indication that the Veloce Strato platform represents a roadmap capable of successfully serving the emulation market for the years to come."

 [Click here to return to Contents](#)

## *Mocana Introduces Automated Security Lifecycle Management to Simplify and Scale IoT Security*

11 April 2018

Mocana Corporation announced the launch of [Mocana TrustCenter™](#), the industry's first services platform that provides a comprehensive system to manage security across the lifecycle of IoT devices and industrial control systems (ICS). Developed for manufacturers and operators of IoT devices and industrial equipment, Mocana TrustCenter ensures supply chain integrity, offering full management of cybersecurity across the entire IoT device security lifecycle – embedded systems and software development, manufacturing, device enrollment, and secure firmware updates. The new services platform complements Mocana's industry-leading TrustPoint™ IoT endpoint security software that protects more than 100 million devices today.

"Traditional IT and OT security approaches are not enough to defend against the sophisticated threats from hackers and state actors," said William Diotte, CEO, Mocana. "With escalating cyber attacks on critical infrastructure and IoT, it's imperative that industrial companies implement stronger controls in their automation and control equipment. Mocana TrustCenter and TrustPoint make it easier to implement strong security into devices by automating the lifecycle of cybersecurity for a device. We're thrilled that Mocana TrustCenter has the support of major industry leaders such as Intel, Dell, and Verizon."

Mocana's TrustCenter automated services platform can be deployed on bare metal, private cloud, or public cloud Infrastructure-as-a-Service (IaaS) and ensures the trustworthiness of both the device and the data from end-to-end. Mocana TrustCenter's automated approach reduces the time it takes to install secure credentials on a device from minutes to seconds. The platform automates secure device onboarding, enrollment and over-the-air (OTA) updates for IoT and ICS. Mission-critical systems used in aerospace, defense, industrial manufacturing, transportation, medical, and automotive will benefit from Mocana TrustCenter by automating the IoT security software integration process.

Mocana's TrustCenter™ has been integrated with the Intel® Secure Device Onboard (Intel® SDO) service to reduce the time it takes to automate provisioning of secure credentials onto devices based on Intel® Enhanced Privacy ID (Intel® EPID) identity built into the silicon.

"The onboarding process for IoT devices will not scale without automation of the enrollment process that Intel SDO delivers combined with the built-in privacy model of Intel EPID. Mocana TrustCenter automated security integrated with Intel SDO dramatically reduces the onboarding and digital certificate provisioning time to drive scale," said Lorie Wigle, VP Product Management, Platform Security Division, Intel.

Key benefits of Mocana's IoT Trust Platform include:

- **Supply Chain Integrity:** Mocana's IoT Trust Platform ensures that devices and data are trusted. Using strong cybersecurity controls on the endpoints and the Mocana TrustCenter services

# CIMdata PLM Industry Summary

---

platform, customers are able to securely manage the enrollment and firmware update process across the entire ecosystem: silicon vendor, device manufacturer, integrator and operator/end user.

- **Faster Development and Provisioning:** Mocana’s TrustPoint endpoint software provides a full-stack architecture for protecting endpoints with FIPS 140-2 Level 1 validated cryptography for securing the boot process, authentication, device and data integrity and secure transport. It is pre-integrated with more than 70 chipsets and 30 real-time operating systems. Mocana’s easy-to-use APIs make it easy to integrate TrustPoint with embedded applications and hardware. The Mocana TrustCenter “zero touch” security services platform reduces onboarding and enrollment of devices by more than 90% to mere seconds per device.
- **Lower Cost:** Mocana’s end-to-end security lifecycle solution provides a system of cybersecurity for developers, OEMs, and device owners to reduce the time and resources to implement and manage security on IoT and ICS endpoints. Mocana TrustPoint’s proven embedded security software and development framework reduces the time and cost to build strong security into devices. Mocana TrustCenter automates device enrollment and secures the update process to enable billions of devices to be securely manufactured, activated and updated.

“Supply chain integrity is one of the most important challenges facing the industrial IoT,” said Ed Amoroso, CEO of TAG Cyber, LLC. “Mocana’s IoT Trust Platform is tackling this problem head on by automating device enrollment and security provisioning. With tools for both suppliers and OEMs, Mocana’s trust services will simplify enrollment and secure updates.”

“Ensuring the safety, security, and reliability of control systems is critical,” said Joe Weiss, Managing Partner of Applied Control Solutions, LLC. “Mocana’s IoT Trust Platform can simplify the implementation of security across modern control and safety systems.”

Mocana will be providing demonstrations of Mocana TrustCenter at the annual [RSA Conference](#) in San Francisco at booth #3143 in Moscone North on April 17, 18, and 19. Mocana will be co-presenting with Intel at RSA on Tuesday, April 17 at 12:30pm PT at Intel Booth #3435 on “Securing the Lifecycle of an IoT Device with Mocana.”

[!\[\]\(f6662514069ff48bdef07a1000762f95\_img.jpg\) Click here to return to Contents](#)

## ***Rize Inc. Launches Industry’s First Digitally Augmented Additive Manufacturing Parts to Integrate Industry 4.0 Technologies***

9 April 2018

Rize, Inc. has announced the industry’s first *Digitally Augmented Parts* which enables augmenting functional 3D printed parts with digital information. With this new capability, users can now create a digital thread between the digital and physical part and accelerate Industry 4.0 technologies like blockchain and AR/VR applications.

A great challenge for the industry are parts that are non-compliant due to design changes, piracy, counterfeit and obsolescence. These adversely impact the user and customer experience and result in rework, recalls and loss of brand value.

With Rize’s patented Augmented Polymer Deposition (APD) hybrid process, which combines extrusion

# CIMdata PLM Industry Summary

---

and material jetting, innovators will be able to 3D print industrial parts with embedded markers that create an immutable connection to the digital part and bridge the gap between the virtual and real world.

Using the voxel-level ink jetting capability of APD, engineers can 3D print secure information on an industrial part, in a QR code for example. A common smartphone app can scan the QR code on the part and instantly display the corresponding digital information online. For example, an engineer can store all of a part's information digitally and maintain digital augmentation of the part throughout its lifecycle.

This new capability also enhances the usage of the new 3MF format for 3D printing which carries significant intelligence on the additive part that can now be carried from the digital world into the physical world.

“This is the first step towards embedding intelligent capabilities within the part and connecting them through a digital thread into the digital twin of the part,” said Andy Kalambi, President and CEO of Rize Inc. “Rize is leading the integration of additive manufacturing into the digital ecosystem which will redefine the user and customer and experience and ultimately scale the technology to an entirely new segment of commercial and industrial users.”

Rize will demonstrate its capability to produce Digitally Augmented Parts this week at the [Additive Manufacturing Users Group \(AMUG\)](#) in booth P5 at the St. Louis Union Station Hotel in St. Louis, MO.

 [Click here to return to Contents](#)

## ***VOLTA and modeFRONTIER Release 2018***

12 April 2018

With [VOLTA](#) and [modeFRONTIER](#) Release 2018 / Spring, ESTECO introduces a brand new user experience for its desktop and web-based collaborative solution. Among other new features and improvements, modeFRONTIER comes with a fresh, modern User Interface while VOLTA redefines enterprise collaboration with My Teams feature.

### USER EXPERIENCE

Unveiling the new **modeFRONTIER User Interface (UI)**. The latest release of modeFRONTIER introduces a renewed, fresh, modern and user-friendly look. The new interface organizes the visual space, centralizes and simplifies a number of actions in a rational way, improving the general usability of the software.

modeFRONTIER now welcomes users with a new **Home Panel** that makes it more intuitive than ever to create, open and save projects. From here the integration with [VOLTA](#) is straightforward and you can **quickly access** the modePROCESS and modeSPACE applications, as well as other utilities and useful contents, such as user manuals, template projects and tutorials.

The **new Toolbar** displays workflow editor, run analysis and design space environments with freshly designed icons, giving a new look & feel to the software interface. The **node, gadget and chart Libraries** are now fully customizable and leave the main working area entirely free.

# CIMdata PLM Industry Summary

---

In VOLTA, **enterprise collaboration experience** is completely redefined. The new **My Teams VOLTA feature** creates task-centric data hubs where teams are able to focus on specific design tasks and get work done without the distraction of unrelated data. Coming to [distributed execution](#) management, **VOLTA New Evaluator User Interface** allows users to configure evaluators and manage machine-level preferences.

## [INTEGRATION AND PROCESS AUTOMATION](#)

With this release, **MapleSim** joins the list of **direct integration nodes** allowing users to exploit the optimization of system level engineering design. By taking advantage of modeFRONTIER powerful process automation, the selection of design parameters and outputs from Maplesim model is very **easy and effective**.

## [ENGINEERING DATA INTELLIGENCE](#)

See all sides of your data with the **VOLTA Data Intelligence environment** split into two tabs! The Data Intelligence Environment has been divided into a **Data tab** that displays pure, raw data and a **Dashboard** that allows you to visualize data into charts and make sense of it faster. **New charts** have been introduced for better interaction with your data. Experience the new History, Carpet Plot, 3D Scatter and 3D Surface.

In the new VOLTA release it is also possible to **customize and save dashboard** with the desired widgets. In addition to that, saved dashboards are stored along with all other project files so that others working on the project can see it too.

## [OPTIMIZATION DRIVEN-DESIGN](#)

ESTECO suite of [best-in-class algorithms](#) acquires **EGO - Efficient Global Optimizer**, a multi-strategy single objective optimizer based on Gaussian Processes. Team can now achieve **high converge rate and efficiency** in finding the global optimum particularly when performing heavy simulations. The new EGO algorithm is best used with constrained single-objective problems with many local optima.

Design of Experiments (DOE) and scheduler nodes are paired into a **Scheduling Start node**. While it maintains all the functionalities of the two previous nodes, the layout of the new node enables less experienced users to set up an optimization and run their project very **quickly and with little effort**.

 [Click here to return to Contents](#)