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CIMdata News

CIMdata Publishes PLM Trends Market Report

24 June 2021

CIMdata, Inc., the leading global PLM strategic management consulting and research firm announces the release of the CIMdata PLM Industry Review and Trends Report, the second of five modules of the CIMdata 2021 Market Analysis Report Series. The MAR Series provides detailed information and in-depth analysis on the worldwide PLM market during 2020. It contains analyses of major trends and issues; revenues of leading PLM providers; and revenue analyses for geographical regions, industry sectors, and historical and projected data on market growth.

The 2021 PLM Industry Review and Trends Report focuses on “Resilience in the Face of Crisis: Bouncing Forward.” Heading into calendar year 2020, the PLM Economy was poised to have another good year. Overarching trends like smart, connected products; digital transformation; and Industry 4.0 were contributing to a strong outlook over the next five years and beyond.

Then the COVID-19 pandemic gripped the world. While commerce did not grind to a halt, it did significantly change. Some industries, like airlines and the service industries, saw immediate pain that will linger until effective vaccines are widely available. Life sciences and healthcare were important and growing before, but COVID-19 demanded a change in business as usual to address the crisis. Sign and label making companies surely have surged to make new signage for everyone to navigate a 6 foot (or 2 meter) world. Certainly, more people in the world now painfully understand the phrase “supply chain” given the lack of supply chain resilience over the last year. Working from home (WFH) is now commonplace and companies scrambled to provide the technical and business process infrastructure to support their now mainly remote workforces.

One could argue that the PLM Economy has spent much of the last 20+ years preparing for this scenario. The mantra has been the enablement of seamless global collaboration across far flung value chains. The focus of this year’s Trends report is the resilience of the PLM Economy—the software and services firms in PLM and the investment firms that support them—and the resilience of their industrial clients in the face of the pandemic. Examples will be drawn from primary research with the software and services companies and from leading industrial firms.

This PLM Industry Review and Trends Report is the first of five modules of the CIMdata 2021 Market Analysis Report Series to be released. The MAR Series provides detailed information and in-depth analysis on the worldwide PLM market during calendar year 2020. It contains analyses of major trends and issues; revenues of leading PLM providers; and revenue analyses for geographical regions, industry sectors, and historical and projected data on market growth.

The CIMdata PLM Market Analysis Report Series is packaged as five modules:

1. The *CIMdata 2021 Executive PLM Market Report* provides an overview of CIMdata’s complete global analysis. It includes key charts on PLM market investment statistics through 2020, forecasts of investments for 2021 through 2025, and a summary of PLM solution providers’ performance in 2020.
2. The *CIMdata 2021 PLM Industry Review and Trends Report* is mainly qualitative in nature, and focuses on key issues facing the global PLM Ecosystem of solution providers and end user organizations. It highlights changes that occurred in 2020, what effects those changes may have in the short and medium terms, and what is on the horizon in the years to come.

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3. The *CIMdata 2021 PLM Market and Solution Provider Analysis Report* details measures of and forecasts for the overall PLM market and its key segments in 2020, including Tools, cPDm, and Digital Manufacturing. The Tools section has additional details on sub-segments, including MCAD, NC, S&A, EDA, and AEC. It also includes CIMdata's estimates of PLM solution provider revenues in these segments and sub-segments for 2021 through 2025.
4. The *CIMdata 2021 PLM Market Geographic Analysis Report* provides an additional view of the 2020 market results, by major geography. CIMdata's 2020 estimates and market forecasts for PLM and the major PLM market segments are provided for the Americas, EMEA, and Asia-Pacific. In addition, the report includes estimates and forecasts for the cPDm segment within specific European and Asia-Pacific countries and regions.
5. The *CIMdata 2021 PLM Market Industry Analysis Report* provides an industry segmentation view of the 2020 market results. CIMdata's 2020 estimates and market forecasts for PLM and cPDm are provided for ten different industry sectors: aerospace and defense, automotive and other transportation, electronics/telecommunications, fabrication and assembly, process-packaged goods, process—petrochemical, utilities, construction, infrastructure, and shipbuilding.

The CIMdata PLM Market Analysis Report Series is available as a five-module set or each module can be purchased separately. Portions are also available as part of the CIMdata Community Memberships. Further details and pricing information about the report and Community Memberships are available at www.cimdata.com.

CIMdata Publishes Value Engagement: Accelerating Transformation & Business Benefits

22 June 2021

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the release of a whitepaper that describes Dassault Systèmes' methodology and related tools that help them plan and accelerate the implementation of business transformations. To survive in today's rapidly evolving business world, companies need to transform how they run their businesses; to create new products and services that are compelling to their customers—or they fail. This paper covers key factors in how companies can understand and justify their digital transformation—specifically how Dassault Systèmes helps those companies traverse a multitude of hurdles and issues to ensure their success.

Every business transformation activity must consider a broad range of strategic issues; a traditional business case is required to ensure that throughout the transformation process the organization is attuned to the value that should accrue—improving the use of people, processes, and technologies. Employing a value engagement methodology provides insights and information that alleviates the subjective nature of many decisions and evaluates them in a rational, objective manner driven by an organization's particular business drivers, situation, objectives, pain points, and needs. Dassault Systèmes' Value Engagement ensures that these considerations are evaluated through a tried and tested set of processes and tools.

Mr. John MacKrell, CIMdata's Chairman, stated: "CIMdata finds Dassault Systèmes' Value Engagement methodology to be in line with its experience helping companies through business transformations. It provides the guidance and insights needed to make decisions that improve the value of the transformation and guide the essential processes."

According to Mr. Stan Przybylinski, CIMdata's Vice President, "Dassault Systèmes' methodology helps companies assess and understand their business processes and technologies. It also helps plan for adoption of their 3DEXPERIENCE platform and related brand-based offerings. This makes it applicable

to most current and potential customers.”

The Value Engagement: Accelerating Transformation & Business Benefits whitepaper is available for download at: <https://www.cimdata.com/en/resources/complimentary-reports-research/white-papers>.

Acquisitions

Lectra announces the acquisition of Neteven

24 June 2021

Lectra announces the signature of an agreement to acquire the entire capital and voting rights of the French company Neteven. A major global player in the fashion, automotive, and furniture markets, Lectra designs and produces industrial intelligence solutions – software, hardware, data and services – for brands, manufacturers and distributors.

Founded in 2005, Neteven has developed a particularly innovative offer, based on a SaaS platform and associated services, which enables brands to simplify and effectively monitor the distribution of their products on the world’s largest online marketplaces.

The SaaS platform centralizes the product catalog and information on stock levels, sales prices and orders, in order to automate and facilitate distribution on online marketplaces.

Neteven helps its customers save time when managing their distribution channels and gain greater local and international visibility of their products in order to reach more consumers. The Neteven team provides its technological and services expertise to prestigious brands to help them optimize their e-commerce strategy.

“With the COVID-19 crisis, e-commerce has experienced a real boom around the world in the same manner as marketplaces which now represent 40% of online sales. Marketplaces offer an enormous potential in terms of consumer audience and give extremely fast access to international markets, all while limiting the investments and risks linked to opening multiple distribution channels. However, the absence of norms and the management of multiple interfaces is a real impediment in developing omnichannel strategies for brands or distributors. This is where Neteven takes action, by removing that complexity and simplifying distribution via marketplaces,” says Greg Zemor, CEO and co-founder of Neteven. *“With Lectra, we will be able to cover the entire chain, from production to distribution. We will respond to brands’ Direct-to-Consumer strategy issues. This union will allow us to go even further in terms of innovation, value creation, and business as well as international expansion,”* he adds.

Neteven is the perfect complement to the other solutions recently acquired by Lectra, Kubix Link (product lifecycle management and product information management – PLM, PIM) and Retviews (competitive intelligence and trend analysis). The combination of the three offers will enable Lectra to provide an even more comprehensive response to its fashion customers’ needs.

This acquisition is in line with Lectra’s strategy of expanding its presence in the fashion market by covering an additional part of the customers' value chain.

“We are thrilled to welcome the talented Neteven teams to Lectra. Thanks to their commitment, they have developed an innovative product and they will bring strong expertise in e-commerce and the marketplace ecosystem to Lectra,” says Daniel Harari, Chairman and CEO, Lectra. *“Initiated in 2017, the goal of Lectra’s 4.0 strategy is to position Lectra as an indispensable Industry 4.0 player in the markets it serves between now and 2030. By joining forces with Neteven, we will be able to respond more broadly to the expectations of our customers by accompanying them in the digitalization and*

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automation of their value creation and marketing processes,” he concludes.

The transaction concerns the acquisition of 80% of Neteven for 12.6 million euros right now. The acquisition of the remainder of capital and voting rights will take place in June 2025, for an amount between 0.6 to 0.9 times 2024 recurring revenues.

Rockwell Automation to Expand Industrial Cloud Software Offering with Acquisition of Plex Systems

25 June 2021

Rockwell Automation, Inc., the world’s largest company dedicated to industrial automation and digital transformation, and Plex Systems, the leading cloud-native smart manufacturing platform operating at scale, announced that Rockwell has entered into an agreement to acquire Plex for \$2.22 billion in cash.

Plex offers the only single-instance, multi-tenant SaaS manufacturing platform operating at scale, including advanced manufacturing execution systems, quality, and supply chain management capabilities. It has over 700 customers and manages more than 8 billion transactions per day. Plex’s software capabilities will be further differentiated by Rockwell’s global market access, complementary industry expertise, and ability to turn real-time data into actionable insights.

“This acquisition will accelerate our strategy to bring the Connected Enterprise to life, driving faster time to value for our customers as they increasingly adopt cloud solutions to improve resilience, agility, and sustainability in their operations,” said Blake Moret, Chairman and CEO of Rockwell Automation. “Combining Plex’s cutting-edge cloud technology with Rockwell’s existing software portfolio and domain expertise will add customer value and create more ways to win. The acquisition will also accelerate our software revenue growth and strengthen our annual recurring revenue streams.”

A growing dilemma for manufacturers is the urgent need to increase production and improve resilience, while driving efficiency and compliance. Companies are increasingly seeking to upgrade their production systems with modern, cloud-based manufacturing execution systems that are easy to implement, use, and maintain. Plex’s platform helps customers to connect, automate, track, and analyze their operations and connected supply chains.

“Rockwell believes in the power of data and technology to transform manufacturing and industrial operations,” said Brian Shepherd, senior vice president, Software and Control, for Rockwell Automation. “Together with the advanced asset maintenance and management capabilities provided by our recent Fiix acquisition, Rockwell will have a strong portfolio of cloud-native solutions for our customers’ production systems upon completion of the Plex acquisition.”

“Plex has always been more than a company,” said Bill Berutti, CEO of Plex. “We have been a leader in the movement to smart manufacturing and a trusted partner to more than 700 manufacturing companies around the globe. Joining forces with Rockwell is great for our customers, our partners, and our employees as we move to expand our reach and impact and accelerate our mission to bring manufacturing to the cloud.”

Plex will be reported as part of Rockwell’s Software and Control operating segment which provides leading hardware and software offerings for the design, operation, and maintenance of production automation and management systems. As a part of the acquisition, Rockwell will welcome more than 500 highly engaged new employees.

The acquisition will be financed with a combination of cash and short-term and long-term debt. Subject to customary closing conditions and completion of regulatory review, the acquisition is expected to

close in Rockwell's fiscal fourth quarter.

Synopsys to Acquire Semiconductor and Flat Panel Display Solutions from BISTel

21 June 2021

Synopsys, Inc. announced that it has signed a definitive agreement to acquire the semiconductor and flat panel display solutions from BISTel, a leader in engineering equipment systems and AI applications for semiconductor smart manufacturing, headquartered in South Korea. When completed, the acquisition will broaden Synopsys' industry-leading process control solutions for semiconductor fabs with an integrated and comprehensive yield management and prediction solution to enhance manufacturing quality and efficiency. The acquisition will also add a team of experienced engineers to accelerate technology development using real-time manufacturing predictive analysis.

The transaction is subject to customary closing conditions and is expected to close in Synopsys' fourth quarter of fiscal year 2021. The terms of the deal, which are not material to Synopsys' financials, are not being disclosed.

"Semiconductor fabs are rising to the challenge of meeting market demand for products that drive the global economy," said Howard Ko, general manager of the Silicon Engineering Group at Synopsys. "Combining Synopsys' and BISTel's expertise in fab solutions will enable us to bring to market innovative process control products that help our customers maximize their economic opportunity."

The Future of SketchBook - An Autodesk Blog Post

25 June 2021

On June 22, 2021 Thomas Heermann of Autodesk published the announcement of the divestiture of SketchBook to a new company, SketchBook, Inc.

For more details please see the full blog post here: <https://blogs.autodesk.com/sketchbookpro/the-future-of-sketchbook/>

Company News

Accenture Invests in Cloud Data Security Provider Symmetry Systems

23 June 2021

Accenture has made a strategic investment, through Accenture Ventures, in Symmetry Systems, a San Francisco-based provider of data store and object-level security (DSOS) solutions that give organizations visibility into, and unified access control of, their most valuable data assets.

Symmetry Systems applies machine learning to help companies better understand and protect their large fleets of data stores and applications. Its flagship solution, DataGuard, provides granular visibility across all data stores while integrating cleanly into modern security analytics platforms. It can provide security teams with auditing and compliance reports, security alerts for potentially malicious activity and breaches, and identity-and-access-management and security policies.

"Data no longer resides in physical data centers, as more and more organizations have moved their workloads and applications to the cloud," said Rex Thexton, who leads Accenture Security's applied cybersecurity services globally. "In this environment, businesses of all sizes continue to wrestle with how to keep themselves secure. Our strategic investment in Symmetry Systems will enhance Accenture's ability to provide clients with a better way to see who is accessing what in their secure

cloud environment.”

Mohit Tiwari, Symmetry Systems CEO and co-founder, said, “Today’s large organizations are custodians of millions of users’ most valued data, and our first priority is to help protect that at its source, giving organizations more granular control. Accenture’s investment will enable us to bring the best of our combined skills and capabilities to help clients keep their environments secure.”

Symmetry Systems is now a part of Accenture Ventures’ Project Spotlight, an engagement and investment program that connects emerging technology software startups with the Global 2000 to fill strategic innovation gaps. Project Spotlight offers extensive access to Accenture’s domain expertise and its enterprise clients, helping startups harness human creativity and deliver on the promise of their technology.

A recent report from Accenture found that as companies embrace multiple cloud environments, 65% of senior IT executives say that security risk and compliance is among their top three greatest barriers to achieving return on their cloud investments.

“Accenture Ventures’ investment in Symmetry Systems is consistent with our Cloud First strategy and the singular focus to help our clients across all industries make their cloud journey safe from the start,” said Tom Lounibos, managing director of Accenture Ventures. “Symmetry Systems’ differentiated solutions offer greater flexibility of both on-premise and cloud configurations providing better visibility into an organization’s entire cloud estate. This approach is even more critical to keeping data safe with the proliferation of edge devices and in today’s work-from-anywhere world.”

Accenture’s backing of Symmetry Systems follows several other investments that Accenture has made in cybersecurity and intelligence companies, including Prevailion, Quantexa, Team 8, Endgame and Claroty.

Terms of the investment were not disclosed.

Accenture Makes Strategic Investment in Digital Payments Company Imburse

22 June 2021

Accenture has made a strategic investment, through Accenture Ventures, in Imburse, a cloud-based, payments-as-a-service enterprise platform that simplifies the way businesses around the world access the global payments ecosystem.

Founded in Zurich, Switzerland in 2018, Imburse works with global insurers, banks and other large companies to easily connect outdated legacy systems to the global payments ecosystem through a single connection using application programming interfaces (APIs). Imburse works with several multinational clients, including Generali Group.

As companies navigate the complexity of digital disruption and the changing needs of customers, payments interoperability is an important part of companies’ overall transformation agenda.

“Payments systems at many companies are being stressed by changing consumer preferences – challenging them to offer the latest digital payment options while maintaining efficient operations,” said Sulabh Agarwal, who leads Accenture’s Payments group globally. “Imburse’s payments platform removes integration challenges and acts as the payments glue for organizations, fusing together all payments types including bank transfers, credit cards and digital wallets, to offer the customer seamless, quick and secure experiences.”

Imburse will join Accenture Ventures’ Project Spotlight — an immersive engagement and investment program aimed at connecting emerging technology startups with the Global 2000 to fill strategic

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innovation gaps. Through the program, Imburse will also have access to Accenture's global innovation network, and the opportunity to co-innovate with Accenture software engineers, system architects and payments experts.

"We're excited for Accenture to join our mission to make access to the global payments ecosystem easier for businesses, bringing deep industry expertise and thought leadership," said Oliver Werneyer, Imburse's CEO. "Businesses around the world are under immense pressure to digitalize their payments systems and to exceed customer expectations – however the investment, time and resources required is, for many businesses, unjustifiable. Imburse and Accenture will work together to help businesses to fully optimize and future-proof their payment capabilities and leverage payments as a key strategic value driver."

Tom Lounibos, managing director of Accenture Ventures, added, "Against a rapidly shifting global payments landscape, we see a huge opportunity for Imburse to add value for our clients and we're excited to work with them to expand to new markets and scale to new industry verticals. Accenture Ventures' investment in Imburse aligns with our commitment to solve some of the most critical business needs of our clients, which will only become more complex in the future."

"The collaboration between HITS, Generali and Imburse helped us transform and digitize our payments processes in a cost effective manner, creating a better experience for our current and future customers," said Pietro Carnevale, CEO of House of Insurtech Switzerland (HITS) AG of Generali Switzerland.

"This is a great example of how startups and corporations can work together to solve the most pressing needs of the business. While Imburse is already working with insurers to help them update their payments processes, the startup will greatly benefit from the connections, network and industry expertise that Accenture will provide."

Terms of the investment were not disclosed.

Bechtle becomes Cisco Master Collaboration Partner

21 June 2021

By receiving Cisco's Master Collaboration Specialisation, Bechtle has achieved another great milestone in their flourishing partnership with the technology conglomerate. Bechtle, already a Cisco Gold Integrator and Master-certified in the fields of networking and security as well as a Gold Provider for cloud and managed services, hence demonstrates not only its extensive knowledge of products and solutions, but also its outstanding competence in the delivery and implementation of professional services for Cisco collaboration solutions.

Master certifications are the most significant seal of quality that Cisco can award to its partners. Bechtle has now met the high requirements set by Cisco concerning collaboration technology and achieved the Master Collaboration Partner Specialisation. Cisco Master certifications require intensive preparation and technical evaluation. Over several days, Bechtle was audited extensively for its expertise, performance and understanding of Cisco architectures. Besides the classic collaboration solutions, such as VoIP telephony and video conferencing, Bechtle proved its know-how on modern collaboration technologies such as cloud calling and Cisco Webex.

"This certification will reassure our customers that Bechtle meets the highest standards when it comes to Cisco collaboration solutions. Besides the technology, audits also span topics such as consulting, project management, professional services as well as demonstration and proof-of-performance opportunities for customers. The quality of our services was also evaluated with respect to ITIL practices. The certification is the perfect starting point for strengthening our market position as an expert for Cisco

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collaboration technologies,” says Randolph Zeilmann, Director of Business Development Cisco at Bechtle. With its 236 specialists holding more than 900 Cisco certifications, Bechtle is capable of offering its customers services in all segments of the Cisco product range.

“The Master Collaboration Specialisation proves that Bechtle is the ideal partner for meeting our shared customers’ current and future needs for modern communication solutions. This Master status provides a real added value for customers as, besides technological expertise, it also proves Bechtle’s high degree of professionalism when it comes to implementation,” says Rüdiger Wölfl, Managing Director Channel & Partner Organisation, Cisco Germany.

BIMcollab and GRAITEC Group enter multinational partnership for Canada, the United States and Russia

18 June 2021

The BIMcollab global partner network was recently extended with the addition of GRAITEC Group. GRAITEC will start representing BIMcollab Cloud and BIMcollab ZOOM in Canada, the United States and Russia, being the first 'multinational' partner. With this new partnership, GRAITEC will join BIMcollab's global expansion, offering local expertise.

'Help with digital transformation'

GRAITEC is an international group, helping construction and manufacturing professionals successfully achieve their digital transformation. By providing BIM and Industry 4.0 software and consultancy. GRAITEC was founded in 1986 and, by now, is a market-leading multinational company, providing customers with the right tools and training to successfully complete their BIM projects. They have 50 offices across 13 countries worldwide.

"We are excited to welcome GRAITEC Group as a BIMcollab partner and are looking forward to this collaboration, reaching more customers globally with local expertise."

Erik Pijnenburg, CEO of BIMcollab

Better models in less time

BIMcollab is gaining popularity all across the globe with over 150,000 users of the cloud solution for issue management and BIMcollab ZOOM for model checking. The integrated approach to model validation and issue management has led to innovative features such as Smart Issue, cutting down the time spend on Clash management in many BIM projects. The company helps design teams worldwide to create better models in less time. With the BIM revolution in Canada, the United States and Russia in full swing, GRAITEC will help BIM professionals in taking that next step and starting their professional issue management journey.

"We are very impressed with BIMcollab solutions and believe that they will add great value to our current BIMup software offering. We found in BIMcollab a set of easy-to-use tools that will provide customers one true source of truth when it comes to project coordination and clash detections, independently of the tools each stake holder uses internally to model and manage."

Hugo Michaud, managing director GRAITEC North America

Need for local expertise

With a rapidly growing number of companies worldwide adopting the BIMcollab products, the need for local expertise raises. Through dozens of partnerships, BIMcollab enables high quality services to customers in a growing number of regions in the world. No longer restricted by languages or timezones.

Capgemini Invent boosts its strategy, technology and design services to enable visionary leaders to shape the future of business

23 June 2021

Capgemini Invent announces the next chapter of its evolution with the integration of two world-class teams – frog and Cambridge Consultants – who joined the Capgemini Group as part of the Altran acquisition. The addition of frog and Cambridge Consultants reinforces Capgemini Invent as an innovation, design, and transformation powerhouse.

The additions augment three main capabilities within Capgemini Invent: Customer First, Intelligent Industry, and Enterprise Transformation — each fueled by Capgemini Invent’s sector and data expertise – to develop a new generation of products, services and experiences for sustainable business growth.

frog provides access to a larger network of over 35 design and innovation studios around the world. Examples of frog’s future defining, human-centered design work include its award winning project helping MeMed to define and design a revolutionary immunoassay platform to automatically perform diagnostics of patients’ immune responses in just 15 minutes. For stc, a leading telecom and technology service provider, frog designed a new company-wide design language system (DLS) to inform the design of new products, such as a personalized digital platform that empowers stc customers to take control of their telecom services.

Cambridge Consultants unlocks new levels of innovation for the Group, through the addition of its breakthrough physical, digital and biological capabilities to Capgemini Invent. Recent examples of Cambridge Consultants’ work include world firsts such as an airborne antenna system developed for client, Stratospheric Platforms Limited (SPL), to deliver affordable superfast 5G connectivity from a fleet of zero emission aircraft, and ground-breaking sensing technology, powering next generation COVID-19 self-testing kits for Ellume.

“In this transition to a low-carbon economy Capgemini will be a key player in helping organizations to fully embrace digital opportunities and continually re-invent themselves for true, long-lasting value and impact,” comments Cyril Garcia, CEO of Capgemini Invent and Capgemini Group Executive Board Member. *“Lately, we have seen that the most exciting opportunities for transformation happen at the intersection of the C-suite’ agenda. These increasingly convergent needs and interests are at the crossroads of real-time marketing, enterprise transformation and intelligent industry. Our unique mix of augmented capabilities position Capgemini Invent as the number one partner to shape clients’ sustainable business growth.”*

HCL APPOINTS LEADERSHIP TEAM IN SOUTH KOREA, VIETNAM AND TAIWAN TO ACCELERATE GROWTH IN ASIA

21 June 2021

HCL Technologies, (HCL), a leading global technology company, has appointed country sales heads to drive and accelerate its presence in Asia. Joonho Moon, Terry Tai and Nguyen Ha Tuan will lead and drive growth in South Korea, Taiwan and Vietnam respectively.

Prior to HCL, Joonho spent more than two decades at Samsung SDS in various leadership positions in sales, business development, corporate marketing, and product strategy.

“I am delighted to be a part of such a dynamic team in HCL Technologies,” said Moon, Country Sales Head, South Korea, HCL Technologies. “I look forward to building upon the company’s current footprint in South Korea and adding to the momentum of growth and expansion in the region.”

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Tai is an experienced co-founder, chief strategy officer of a start-up company and the head of sales and business development for about two decades in Taiwan's IT services industry. He brings a rich experience in cloud technology, artificial intelligence solutions, data storage technology and go-to-market strategy.

"HCL has charted an excellent growth path for itself for the Taiwan market and it is exciting to be a part of that success story from the inception," said Tai, Country Sales Head, Taiwan, HCL Technologies. "I look forward to helping accelerate our clients' digital transformation journey and strengthening our presence in the region."

Tuan has 20 years of experience in the IT Industry. A thought leader and digital transformation practitioner in insurance, retail, banking and finance, public sector, and small- and medium-sized businesses, he has managed digital transformation, security, cloud computing and enterprise applications. Tuan comes to HCL from IBM.

"HCL is a great brand to be associated with, and I am glad to join the team," said Tuan, Country Sales Head, Vietnam, HCL Technologies. "I am certain that with its unmatched services and product offerings, HCL will truly create a niche for itself in the country."

"HCL has actively expanded its global footprint with its next-generation services and products. South Korea is the highest rated country for innovation and leads in new digital technologies such as 5G and IOT. Taiwan is the nerve center of the global semiconductor industry, which is expected to exponentially grow in the coming decade. Vietnam is one of the fastest growing digital economies and is transforming its society to leapfrog into a knowledge economy," said C Vijayakumar, CEO, HCL Technologies. "HCL will lean in with its industry leading Engineering and R&D services into these markets. These regions will be led by Sanjay Gupta who is a corporate officer at HCL Technologies."

"South Korea, Taiwan and Vietnam are growth markets for HCL as we see immense potential for our products and services in these countries," said Sanjay Gupta, Corporate Vice President, HCL Technologies. "We believe HCL's deep domain expertise and next-gen technologies will rightly cater to the needs of enterprises and make it the partner of choice in these countries."

iBASEt Appoints Chief Marketing Officer and Vice President of Human Resources to Support Accelerated Growth

16 June 2021

iBASEt, the company that simplifies how complex products are built and maintained, announced a further expansion of its leadership team as the company positions itself for continued expansion. Tom Hennessey was promoted to Chief Marketing Officer and Jennifer Martinez to Vice President of Human Resources.

"We are thrilled to leverage Tom Hennessey's strategic thinking and approach to growth at this pivotal time in iBASEt's transformation journey," said Naveen Poonian, CEO, iBASEt. "We are confident Tom's proven track record in leading business transformation focused on market expansion, growth, and strong brand positioning will accelerate our shift to a subscription and SaaS business model."

Hennessey brings 25 years of experience that will play a critical role in driving iBASEt's expanding business development efforts, both through its direct and indirect partner channels.

"I'm honored to be leading iBASEt's market growth efforts, building on the excellent work this team has already accomplished. I'll work to expand iBASEt's influence as a leading brand driving the future of complex discrete manufacturing and sustainment operations," said Tom Hennessey, CMO, iBASEt.

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“Our success is highly dependent on how well our workforce evolves to meet new market conditions,” said Naveen Poonian, CEO, iBASEt. “Jennifer Martinez has demonstrated her ability in not only attracting top talent but in enabling and empowering employees to succeed further. Her skills will be leveraged in this newly formed executive position to help continue our aggressive growth trajectory.”

Martinez brings 20 years of Human Resources and employee development expertise to a role that is important as iBASEt ramps up hiring across all global regions.

“I am excited to lead the investment iBASEt is making in our workforce. My initial focus will be on streamlining the recruitment and onboarding process while nurturing employee education and leadership development to empower our workforce, to go above and beyond what they ever imagined possible in their career,” said Jennifer Martinez, Vice President, Human Resources at iBASEt.

Both positions are vital to achieving the company’s aggressive growth plan. The company recently launched Solumina iSeries as a cloud-native offering that simplifies how complex industrial products are built and maintained. Increased demand has triggered a need to add staffing and to place greater focus on the company’s future strategy as the manufacturing industry accelerates its digital transformation.

KPMG and PTC Pilot Private LTE Network in PTC Corporate Experience Center

22 June 2021

KPMG and PTC are piloting a private cellular network in the Corporate Experience Center (CXC) at the PTC global headquarters in Boston, MA. The 5G-ready private network, designed to provide clients and professionals with a controlled environment to collaborate, experiment, and explore new business models, will showcase how companies can leverage next generation networks to drive digital transformation and innovation for their own business purposes. The next generation 5G network will also bring PTC award-winning technology to life within the PTC CXC, a showcase and demonstration facility for customers.

“5G has the power to transform the industrial manufacturing industry and become the backbone for communications for the future,” said Iain Michel, General Manager, Connected Products, PTC. “Our collaboration with KPMG to build private 5G networks for clients will enable our customers to adopt new and emerging technologies, enabling the transformation of their operations and an improved user experience. These ultra-reliable, low-latency, high-throughput networks will enable a new class of devices and support a high velocity of critical user data, enabling a suite of new customer capabilities.”

In 2020, KPMG announced a strategic alliance with PTC, becoming a PTC Global Systems Integrator (GSI), combining both organizations’ missions to empower enterprises to capture opportunities and stay ahead of the competition. The combination integrates KPMG’s strategic vision and professional services with PTC field-tested products, including the ThingWorx® Industrial IoT (IIoT) Solutions Platform, Vuforia® Enterprise Augmented Reality Platform, and Windchill® Product Lifecycle Management (PLM) Software.

This collaboration between KPMG and PTC will help enterprises and governments drive digital transformation with leading-edge IoT technologies, creating new business value by leveraging data from smart, connected devices all communicating across the next generation of private enterprise networks. KPMG and PTC will guide enterprise customers through the complexities of private 5G and helping them to determine which network operating model makes the most sense for their organization to optimize business value.

“Private networks for the enterprise enable hyper-converged connectivity through a more secure, reliable and flexible environment, and the adoption of emerging technologies such as computer vision,

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edge computing, data analytics, artificial intelligence, IoT, cyber security and AR/VR,” said Greg Corlis, Principal in KPMG Digital Lighthouse. “We recently deployed a 5G-ready private network at KPMG Ignition and in collaborating with PTC, we’re building on our ability to initiate change within the sector.”

Nemetschek Group Brands Allplan and SDS2 Joining Forces to Provide Powerful Multi-Material Software Solutions

24 June 2021

The Nemetschek Group, one of the world’s leading software providers for the AEC/O industry, today announced that its brands Allplan and SDS2 will join forces to create a strong and customer-focused product portfolio of BIM solutions for the entire structural workflow. With the merger, Allplan – a global provider of BIM design software solutions headquartered in Germany – is completing its offering with engineering detailing software for steel. Additionally, Allplan will reinforce its leading position as an expert for platform-based BIM solutions for the construction lifecycle. In turn, SDS2 – a leading provider of BIM solutions for the structural steel detailing industry headquartered in the US – is significantly expanding its expertise in concrete construction. Combining their competencies will enable them to become a multi-material provider.

“Merging Allplan and SDS2 unleashes a lot of business potential for the Nemetschek Group,” says Viktor Várkonyi, Chief Division Officer of the Planning & Design Division and Member of the Executive Board of the Nemetschek Group. “By closely aligning the concrete and steel detailing expertise that the Allplan and SDS2 solutions have opens significant opportunities to deliver exceptional value to their joint customer base. This strategic move will clearly strengthen our market position in structural workflows – from design to fabrication and construction – and is centered around the Allplan platform and ecosystem.”

“This merger is again an important milestone, not only for Allplan and SDS2, but especially for our customers,” adds Dr. Detlef Schneider, CEO of Allplan. “Combining technology and know-how for steel and concrete construction will create a strong solution that will strengthen our market positioning and instantly provides additional value to our customers.”

“For us, this is an excellent match in terms of strategy and structure,” comments Stuart Broome, CEO of SDS2. “The combined revenue engine and economies of scale will enable future development to accelerate beyond what either company could achieve alone, which represents an even brighter future for our customers.”

The merger with SDS2 follows on directly from the recently completed integration of Allplan and Precast Software Engineering, which has strengthened the product portfolio with precast fabrication technology. Allplan now enables a seamlessly integrated BIM workflow from design to fabrication and construction.

New CADENAS sales contact supports UK customers in digitalization

24 June 2021

International software manufacturer advises British component manufacturers on the marketing of their digital twins directly on site

More and more British component manufacturers already rely on intelligent product data as digital twins as part of their digitization strategy and thus increase the global marketing of their components with the help of the eCATALOGsolutions technology by CADENAS. Since the beginning of June 2021, Jack

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Salthouse has been advising and supporting CADENAS customers as well as interested parties in the United Kingdom and Ireland on the topic of Electronic CAD Product Catalogs as Key Account Manager. Jack Salthouse already has a wide range of experience in the sales field, especially in selling technical products: "I enjoy communicating with clients and supporting them in implementing their business strategies with the help of technical solutions."

His work focuses on both the technical aspects and the business factors and successes: "CADENAS offers its customers great intelligent software solutions. And the best part is that the concrete return on investment for companies is immediately apparent," says Jack Salthouse, Key Account Manager at CADENAS. "I'm really looking forward to working closely and sharing ideas with other companies and the CADENAS team."

New Oracle Support Rewards Program Helps Customers Accelerate Cloud Migrations While Reducing Software License Support Costs

22 June 2021

Oracle announced a new Oracle Support Rewards program to help customers speed migrations to the cloud while reducing their software license support costs. Now, customers making new commitments to buy Oracle Cloud Infrastructure (OCI) services can earn rewards that reduce or even eliminate their Oracle on-premises technology licensing support bills.

With this program, all Oracle technology license support customers will earn at least 25 cents of Support Rewards for each dollar of OCI Universal Credits they purchase and consume. Customers with Oracle Unlimited License Agreements (ULA) will save even more—earning rewards at a 33 percent rate. This means that a ULA customer with an Oracle technology license support bill of \$500,000 could eliminate that bill entirely by migrating \$1.5M of workloads to OCI.

“OCI is Oracle’s fastest growing business because we built a unique Generation 2 cloud infrastructure platform capable of running the most demanding mission-critical workloads faster, more reliably, and more securely than our on-premises systems,” said Oracle Chairman of the Board and Chief Technology Officer Larry Ellison. “We want to enable more customers to take advantage of our Gen 2 Oracle Cloud Infrastructure. Oracle Support Rewards gives customers an easy way to simultaneously reduce their software support spend as they increase the speed of their cloud adoption.”

CIOs and IT organizations are pressured to drive innovation, often without new budget. The Oracle Support Rewards program creates more value for existing Oracle technology customers, making adoption of Oracle Cloud Infrastructure even more cost-effective. Like frequent flyer miles, a customer’s Support Rewards are automatically added in the OCI Console every month, and rewards can be applied anytime.

Oracle Support Rewards joins the Oracle Universal Credits, Oracle Bring Your Own License, Oracle Customer to Cloud, and the recently launched Oracle Cloud Lift programs, which are all aimed at accelerating customers’ digital transformations while offering a great customer experience. Oracle Cloud Lift coupled with Oracle Support Rewards and OCI’s already competitive pricing, makes it simple and cost-effective for customers to migrate more workloads to the cloud.

“Oracle is building differentiation in its cloud infrastructure services by staying laser focused on the unique needs of its customers,” said Dave McCarthy, vice president, Cloud and Edge Infrastructure Services, IDC. “Oracle Support Rewards combined with flexible and transparent pricing are essential in attracting new business and accelerating adoption of OCI.”

Customers and partners like Allegis Group, Cognizant, and Experian are already seeing value in this

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new program. Oracle partners benefit from added customer incentive to move to the cloud. In particular, cloud service providers can pass on the savings from Oracle Support Rewards to their OCI customers.

“Allegis Group is the global leader in talent solutions. Oracle has helped us design a robust cloud adoption strategy that balances benefits to our users and our business, with immediate modernization of core applications like PeopleSoft and adoption of SaaS over time,” said Brian Lindner, Chief Information Officer, Allegis Group. “The Oracle Support Rewards program allows us to continue to use existing technology investments, dramatically lower costs, and invest in the future.”

“Cognizant has worked with Oracle as both a partner and customer for more than 20 years to help our clients modernize their businesses and technology platforms,” said Anil Cheriyan, executive vice president, Strategy and Technology at Cognizant. “The new Oracle Support Rewards program further gives Cognizant and our customers valuable incentives to move critical work to Oracle Cloud Infrastructure.”

“As a leader in data and analytics, providing the best customer experience is extremely important to Experian. We work with Oracle for many of our core systems on-premises, from call center data analysis to financial reporting,” said Mervyn Lally, Global Chief Enterprise Architect, Experian. “As we continue to adopt cloud-based solutions, Oracle Support Rewards makes it much easier for us to choose Oracle Cloud for the future of these systems. We believe that working with Oracle will allow us to further enhance our data processing and analytics capabilities in the cloud and help the millions of consumers and businesses we serve with our innovative solutions.”

Oslo Metropolitan University in Norway to Establish Trimble Technology Lab for Civil Engineering and Energy Technology

22 June 2021

Norway's Oslo Metropolitan University (OsloMet) has received a gift from Trimble to establish a state-of-the-art Technology Lab for civil engineering and energy technology. The lab will expand the university's leadership in digital applications for civil and structural engineering, building technology and sustainable building design.

Trimble's broad Connected Construction portfolio enables all professionals along the project lifecycle to accelerate project processes—improving productivity, quality, transparency, safety and sustainability, while reducing waste.

The Trimble Technology Lab will provide students enrolled in OsloMet's Department of Civil Engineering and Energy Technology hands-on experience with Trimble solutions. Applications of these solutions range from building information modeling and mixed reality to infrastructure planning and construction. Partnering with Trimble allows OsloMet to more fully integrate across its curricula the technological tools that are rapidly transforming how buildings and living environments are designed and constructed.

"Today, digital competence is of great importance for our students. By establishing the Trimble Lab, our students will have access to cutting-edge technology and products in engineering and construction. We believe this will accelerate the adoption and integration of digital tools in our study programs," said Jian Dai, associate professor and head of Civil Engineering Studies. "The lab will not only benefit our students in achieving an enhanced learning outcome but also equip them with the competence to lead the change and renewal in the industry in their future careers. In addition, the lab is also a valuable asset to support the development of our new smart mobility and urban analytics program and the infrastructure engineering specialization."

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"Norway's OsloMet is an outstanding new addition to our network of labs around the world and we're eager to play a significant role by enabling students and educators to enhance their engineering, building technology and design education with Trimble's advanced industry technologies," said Allyson McDuffie, director of Education & Outreach at Trimble. "Our mission in transforming the way the world works requires that we invest in the next-generation workforce, who will become the influencers and leaders of tomorrow."

Carl Christian Thodesen, dean at the Faculty of Technology, Art, and Design said, "Oslo Metropolitan University is thrilled about the new lab for digital competence in engineering and construction, which has been developed through remarkable relationship and collaboration with Trimble. This lab will provide our students access to state-of-the-art equipment and software, which will make them attractive and competitive in the modern engineering and construction industry. Working with Trimble in developing this facility is a testament to how industry and academia can work together to develop skills and competence for a competitive and sustainable engineering industry where top notch abilities and attitudes are a prerequisite."

The lab will include a broad range of Trimble's industry-leading solutions such as Trimble® SiteVision, Robotic Total Stations and Rugged Tablets. Advanced software solutions Quadri, Novapoint, Quantm, Tilos, Tekla® Structures, Tekla Structural Designer, Tekla Tedds, Trimble Connect and the company's popular 3D modeling software, SketchUp Pro and SketchUp Studio.

Presto Engineering and Cadence Collaborate on IC Packaging for Automotive and IoT Markets

24 June 2021

Presto Engineering, an ASIC design and outsourced operations provider, and Cadence Design Systems, Inc. announced a collaboration to broaden semiconductor package design solutions and expertise for high-performance system-in-package (SiP) development for the automotive and Industrial IoT markets. Presto is adopting the Cadence® system design and analysis portfolio for advanced IC packaging, which includes the Cadence Allegro® X Package Designer Plus, Clarity™ 3D Solver, Sigrity™ XtractIM™ technology and Celsius™ Thermal Solver, on an exclusive basis in order to design IC packaging solutions for its automotive and IoT customers. In addition, Presto plans to provide Cadence with input on software features, functions and workflows specific to Cadence's end customer and market needs.

"We are pleased to collaborate with Cadence, a leader in electronic design software, system-level analysis, hardware and IP," said Cédric Mayor, vice president global strategy and corporate development at Presto. "Our ability to leverage the Cadence packaging design and analysis workflow will help us broaden our design services for IC packaging customers needing tailored capabilities and specific requirements. In our efforts to date, we have already seen a 50 percent faster turnaround time due to a reduction in design iterations enabled by Cadence technologies."

"Developing today's complex semiconductor packages, such as heterogeneous SiPs with 3D chip stacks and high-speed data transfer packages, requires a high level of collaboration between IC designers and package engineers," said KT Moore, vice president, product management in the Custom IC & PCB Group at Cadence. "With no two package designs being alike, collaborating with Presto allows us to capture insights on state-of-the-art package design trends as well as design team collaboration and workflow productivity."

SiP and 3D packages, especially those with high-reliability requirements, tend to require multiple spins in order to optimize the bill of materials and design tolerances, as well as to achieve full control of the

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chip's performance reproducibility. Cadence solutions, coupled with manufacturing knowledge and planning during the design process, help to reduce design spins and speed time to market.

Presto's ability to provide a full suite of analytical qualification services within a single facility further reduces the time to market for its customers. The Cadence system design and analysis portfolio for advanced IC packaging supports Cadence's Intelligent System Design™ strategy, enabling SoC design excellence. Now, with the addition of the Cadence portfolio, Presto offers a full set of design and qualification tools to help customers achieve the most efficient design-for-manufacturing (DFM) process, strengthening its position as the Trusted Microelectronics Partner.

Research Team to Unify Laser-Based Manufacturing Processes

23 June 2021

CAM software specialist, ModuleWorks, announces its participation in the "DPP data process control and data integration" research project. Funded by the German Federal Ministry of Education and Research (BMBF) and hosted by the RWTH Aachen University, the project brings together specialists from research and industry to develop a fully integrated, automated production line for laser-based manufacturing by 2025. The project is part of the BMBF's "Research Campus – Public-Private Partnership for Innovation" funding initiative to support long-term approaches to cooperation between science and industry.

DPP stands for Digital Photonics Production and covers all manufacturing processes where light is used as a manufacturing tool, i.e. laser-based manufacturing. DPP currently requires different software programs: a CAD program for planning and simulating the workpiece and a CAM program for planning the manufacturing process. Working with different systems and data formats can lead to data loss and restricts production possibilities. The project partners are addressing this issue by developing new ways to model complex structures in an integrated, consistent and all-encompassing hybrid production chain that simplifies and unifies production planning for additive and subtractive machining.

As part of the project, ModuleWorks is developing software that ensures consistency in the planning process by constantly tracking the design and geometry of the virtual workpiece as well as machining strategies that enable unwanted support structures to be eliminated from the virtual production line.

"This project is a great initiative and we're excited to be part of it", says Dr. Marc Stautner, Research Director at ModuleWorks. "Not only because of the technological advances for laser-based manufacturing, but also because it brings industry and research closer together, which is the long-term foundation for transferring scientific developments to industrial applications."

TCS Wins Five Eventex Awards for Innovative Marketing Campaigns

23 June 2021

Tata Consultancy Services (TCS), a leading global IT services, consulting and business solutions organization, has won three gold Eventex Awards for its ThisRun campaign and the Virgin Money London Marathon Event App, as well as two bronze awards for excellence across marketing and customer engagement.

ThisRun received the gold award in both the People's Choice Marketing Campaign and Technology Marketing Campaign categories as well as a Bronze in the Grand Prix marketing campaign category. ThisRun is part of TCS' drive to deliver innovative solutions that promote better health and inclusion. Launched in 2020, it is a worldwide campaign that brings runners together for better health and empowers them with technology innovation. Through inspirational stories, tools and tips, #ThisRun

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imaginatively captures the power of sport to unite people, help them grow and push boundaries in order to challenge the status quo.

TCS developed the Virgin Money London Marathon Event App to allow participants and spectators to get the fullest London Marathon experience. In 2020, TCS updated the app to support participants in the first virtual London Marathon during the pandemic, which included a digital certificate and medal, and the chance for runners to share an official finish line selfie. This year's hybrid London Marathon event in October will see TCS further enhance and personalize the app experience. Over the last year, new technology innovations introduced by TCS have helped to reimagine many of the world's top marathons as virtual events, and enabled runners across the world to participate.

“During a year that saw physical marathons cancelled, all activities under ThisRun and our support of virtual marathons across the globe have contributed to the health and wellbeing of the community,” said **Sapthagiri Chapalapalli, Head, TCS Europe**. *“We are delighted to win these awards that recognize TCS’ endeavor to develop digital solutions that motivate, unite and connect runners.”*

TCS was also recognized for its excellence across customer engagement with a bronze in the Customer Engagement Event category for its flagship customer event TCS Summit Europe 2019. Over the years the TCS Summit has transformed itself into the premier event for senior leaders in Europe. In 2019, it celebrated 14 years of enabling debate of the issues of highest concern to European businesses and political circles. Over 100 of the region's foremost business, sports, community and political leaders have addressed its previous editions, including eight heads of government from across the region.

“Huge congratulations to TCS! Every accolade is based entirely on merit and acknowledges the company’s fantastic creativity, flexibility, and drive for innovation,” said **Ovanes Ovanessian, Co-founder, Eventex Awards**.

The Eventex Awards 2021 received a record-breaking 561 entries from 37 countries. Founded in 2009 to celebrate creativity, innovation and effectiveness in the industry, today Eventex Awards is one of the most esteemed accolades in the world of events and experiential marketing. Every year the competition highlights the best agencies, events, and technology from the world of events.

Vectorworks, Inc. Names Leslie Majer Richard Diehl Award Winner

16 June 2021

Continuing its support for emerging designers, global design and BIM software provider Vectorworks, Inc. announces Leslie Majer as the Richard Diehl award winner for the fifth Vectorworks Design Scholarship. With over 1,800 submissions, scholarships were awarded to 28 students for 21 projects in the architecture, entertainment, landscape and interior design industries. Winners included both individual and group submissions.

The winning project titled “Badehaus Breitstrom” was submitted by Majer for her thesis studio project at Bauhaus Universität Weimar and focuses on bathhouses and urban facilities. The project includes a historical reference with a focus on contemporary design, construction methods, and sustainability. Majer used Vectorworks for drawings and connected them to Maxon’s Cinema 4D to create renderings.

“Leslie Majer’s project is a true gem,” said Vectorworks Product Marketing Director Rubina Siddiqui. “It showcases very impressive work—not just in the graphics and the thoroughness or the detail, but the space that is created through the juxtaposition of simple and heavy elements to create something so massive and intricate is quite an accomplishment. We congratulate Leslie and all this year’s winners for their creative achievements. We hope the scholarships aid these designers in continuing to elevate and

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progress the design industry with their contributions.”

“It’s an incredible honor to win this scholarship and to be recognized by a jury of experienced, diverse design professionals,” said Leslie Majer, now graduate architecture student at ETH; Swiss Federal Institute of Technology in Zürich. “In architecture school, we’re very much taught to learn and form our own stance on what’s important more so than the real parameters of construction or what our ideas will actually affect in the real world. It is an amazing feeling that the Vectorworks Design Scholarship gave the project and the topics it incorporates a bigger forum, which reaches beyond the discourse of my own university.”

This year’s winners represented countries from around the globe United States, Dominican Republic, Australia, England, Poland, Germany, Switzerland, Japan. Submissions were evaluated based on design quality, concept and originality, the effective use of computer technology, presentation and explanation of design.

Congratulations to all winners:

Architecture Winners

- “Pliable Display-Ground,” by Han Zhu, Xinyu Chen, and Wanting Zhou, Rice University
- “Swinburne Station!,” by Shengye Yu, Swinburne University of Technology
- “The Invisible Castle,” by Henri Kopra, University of Nottingham
- “Hideout, Self-sufficient Huts in Cambodia,” by Justyna Dmytryk, Wrocław University of Science and Technology
- “Ziemlich beste Nachbarn - Ein dezentrales Nachbarschaftszentrum,” by Sina Dreßler, Burg Giebichenstein University of Art and Design
- “Badehaus Breitstrom,” Leslie Rahel Majer, ETH; Swiss Federal Institute of Technology in Zürich
- “Forest Revolution,” by Wang Jiawen, Tama Art University

Landscape Architecture Winners

- “Cooling UHI via Parametric Design in Landscape Architecture,” by Chien-Yu Lin, State University of New York College of Environmental Science and Forestry
- “Industrial Complex of an International Company Dedicated to Manufacturing Electronic Devices,” by Solange Lantigua and Lindi Patricia Oviedo Aguilar, Autonomous University of Santo Domingo
- “Eden Project Productive Garden,” by Joss Paine, Cornwall College, University of Plymouth
- “The Project of Podwawelski Park in Krakow,” by Łukasz Byś, Tadeusz Kościuszko University of Technology
- “Dandelion - Zbrojovka Reloaded,” by Carina Brandl and Amelie Kessler, Technical University of Munich
- “Fjorde in der Berliner Mitte - Bepflanzungskonzept Innenhöfe Charlie Living,” by Caroline Kemkes, Frauke Weerts, and Christian Lepper, Osnabrück University of Applied Sciences
- “Le Bain Sauvage,” by Elisa Fomasi, University of Applied Sciences Rapperswil

Interior Design Winners

- “Projekt Adaptacji Wnętrza Stodoły na Cele Mieszkalne,” by Martyna Jaworska, Academy of

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Fine Arts in Warsaw

- “Unkabut.bar,” by Lukas Riedl, Burg Giebichenstein University of Art and Design
- “In Situ - Ein Marktplatz mit Geschichte,” by Michelle Mosiman and Sara Vergallo, Lucerne University of Applied Sciences and Arts

Entertainment Winners

- “Subject to Change,” by Mollie Singer, University of Maryland College Park
- “All We Have Is Time,” by Wei Guo, Victoria College of the Arts
- “Covid-19 Music Tour,” by Alex Forey, Royal Academy of Dramatic Art
- “Dzika Kaczka - Teatr Telewizji,” by Maciej Strzałkowski - Rajca, Academy of Fine Arts in Warsaw

Event News

Carahsoft Hosting GovForward™: MultiCloud Series

22 June 2021

Carahsoft Technology Corp., The Trusted Government IT Solutions Provider®, and Government Executive Media Group (GEMG) are proud to host the third annual GovForward™: MultiCloud Series featuring Federal Risk and Authorization Management Program (FedRAMP) solutions and successes. This virtual event brings together government and industry leaders to discuss marketplace priorities, FedRAMP’s outlook for the future, the evolution of cloud policy, the rise of cloud computing in the COVID-19 era, and success stories and best practices.

The series begins with “GovForward: FedRAMP Innovations for Agency Missions,” a 30-minute lead-up show on Tuesday, June 29, 2021 at 1:00 p.m. ET. With more cloud-based services and solutions built to support agencies with their missions, FedRAMP assures that these offerings match the government’s rigorous security and compliance requirements. Industry experts from Boomi, SecurID and Virtustream will convene to discuss topics including IT Modernization, Customer Experience and Engagement, Cloud, Zero Trust, and more. Register for the show to learn more.

The FedRAMP Policy Headliner Summit is being held from 8:30 a.m. to 12:00 p.m. ET on Tuesday, July 20, 2021, encompassing government keynotes and panel discussions. Keynote speakers include U.S. Congressman Gerald Connolly (D-Va), sponsor of the FedRAMP Authorization Act; and Brian Conrad, Acting FedRAMP Director & Program Manager for Cybersecurity, GSA.

Register for the FedRAMP Policy Headliner Summit to:

- Understand the current legislation impacting the Federal Cloud
- Check out the latest on FedRAMP best practices, metrics and the road ahead
- Learn how recent advances in automation are speeding the authorization process
- Hear agency success stories
- Explore StateRAMP, the FedRAMP-style option for state and local governments

Event attendees are eligible to receive **continuing professional education (CPE) credits**. A complete agenda for the FedRAMP Policy Headliner Summit is available [here](#). Government speakers and panelists include:

- U.S. Congressman Gerald Connolly (D-Va), *sponsor of the FedRAMP Authorization Act*

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- Brian Conrad, *Acting FedRAMP Director & Program Manager for Cybersecurity, GSA*
- Les Benito, *Director of Operations, Cloud Computing Program Office, Defense Information System Agency*
- Jeff Shilling, *Chief Information Officer, National Cancer Institute, NIH*
- Leah McGrath, *Executive Director, StateRAMP*
- J.R. Sloan, *Chief Information Officer, State of Arizona*

Vendors sponsoring and participating in the GovForward: MultiCloud Series include:

- Acquia
- Adobe
- Akamai
- AvePoint
- AWS
- Boomi
- Centrify
- Collibra
- Dell Technologies
- Exterro
- Google Cloud
- Granicus
- Hootsuite
- IronNet
- Lookout
- McAfee
- Microsoft
- New Relic
- Okta
- Red Hat
- SailPoint
- Salesforce
- SAP NS2
- SecurID
- ServiceNow
- Snowflake
- Splunk
- Sword GRC
- Virtustream

- VMware
- Zscaler

Financial News

Accenture Reports Very Strong Third-Quarter Results and Raises Business Outlook for Fiscal 2021

24 June 2021

Accenture reported financial results for the third quarter of fiscal 2021, ended May 31, 2021, with revenues of \$13.3 billion, an increase of 21% in U.S. dollars and 16% in local currency over the same period last year.

Accenture to Host Conference Call Tomorrow, June 24, to Discuss Third-Quarter Fiscal Year 2021 Results

23 June 2021

Accenture will host a conference call at 8:00 a.m. EDT tomorrow, June 24, to discuss its third-quarter fiscal year 2021 financial results. A news release containing these results will be issued before the call.

To participate, please dial +1 (877) 692-8955 [+1 (234) 720-6979 outside the United States, Puerto Rico and Canada] and enter access code 4728020 approximately 15 minutes before the scheduled start of the call. The conference call will also be accessible live on the Investor Relations section of the Accenture Website.

A replay of the conference call will be available online beginning at 11:00 a.m. EDT on Thursday, June 24, 2021. The replay will also be available via telephone by dialing +1 (866) 207-1041 [+1 (402) 970-0847 outside the United States, Puerto Rico and Canada] and entering access code 1334620 from 11:00 a.m. EDT Thursday, June 24 through Wednesday, Sept. 22, 2021.

Invitation to Tecsyst's Conference Call on June 30, 2021, Covering Fourth Quarter and Fiscal Year 2021 Results

16 June 2021

Tecsyst Inc. will release its financial results for the fourth quarter and fiscal year 2021 ended April 30, 2021 on June 29, 2021 after the markets close. Tecsyst President and CEO Peter Brereton, and CFO Mark J. Bentler, will host a conference call on June 30, 2021 at 8:30 a.m. EDT to present and discuss the results with the analysts.

Subject: Q4 and FY2021 Financial Results Conference Call

Date: June 30, 2021

Time: 8:30 a.m. EDT

Phone number: (877) 210-0456 or (416) 981-9006

The call can be replayed until July 7, 2021 by calling (800) 558-5253 or (416) 626-4100 (access code: 21995521).

Implementation Investments

Aston Martin Cognizant Formula One™ Team Embraces New Cost Cap Compliance With IFS

22 June 2021

IFS, the global cloud enterprise applications company, announces that the Aston Martin Cognizant Formula One™ Team will use its enterprise resource planning (ERP) software to track costs, guide investment decisions and development choices, and evidence spend during competition accounting periods. The IFS solution will play an important role in ensuring spend compliance with the stringent new Formula One cost cap audit requirements introduced this season by the Federation Internationale d'Automobile's (FIA).

The 2021 season sees a radical change in the way Formula One racing teams can spend funds to compete. New cost cap rules by the sport's governing body, the FIA, limit how much a Formula One team can spend on enhancing the race car's performance during a calendar year.

This year sees F1 teams starting with a cap of \$145 million, gradually reducing to \$135 million by 2023. The implications are far-reaching, especially for the finance operation of each team.

Robert Yeowart, Aston Martin F1 Chief Financial Officer, is responsible for ensuring the business operates as efficiently and effectively as possible, and, with the cost cap, getting even more value from every pound spent. "The FIA can come and audit us at any time. They can scrutinize our accounts—examining everything we've spent, when and where. The new reporting requirements are demanding. Alongside the technical and competition compliance we're used to, the body is looking for anomalies and trends to expose any team operating beyond the defined cost cap parameters. We have to be ready to supply the evidence and audit trails to support any inspection."

Aston Martin F1 has implemented IFS to support its operations, financial reporting and production areas.

"IFS has given us the perfect platform to build on," says Yeowart. "It enables us to really understand where we're spending our money by detailed cost analysis, which we couldn't do before. We can track our inventory and answer questions like 'what parts do we have available to us?' What state are they in? How many parts are in the building and how much does each cost?"

The IFS solution enables Aston Martin F1 to run "pound-for-lap-time" ratio analysis in its development projects. This means the organization can get, for the first time, an objective view of how much one upgrade might cost versus another, and the resulting performance improvement in lap time for each.

The FIA also requires teams to track inventory to ensure the cost of parts is not allocated to the wrong accounting year, including evidencing when parts are first used with a bar code tracking system. All the data needed will be fed through IFS. "We know exactly where our inventory is, when we first used a part, how many kilometers it's done, how much life it has left and when we need to be considering a spare or replacement," says Yeowart. "Towards the end of the season all this is absolutely critical as we may have had accident damage and be up against the cap."

As F1 racing evolves, Yeowart is clear about the importance of the system. "IFS can help my team meet the cost cap regulations through improving our planning, our data and our analytics. It helps us understand where we've spent our money so far, what we've left to spend against the cap and how we plan to spend it. It lets us analyze where we're adding performance on the car, and if that's the best use of our capped resources. And it ensures that, when we report to the FIA, we are 100 percent sure that the

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information we provide is accurate and exactly what is required.”

At the end of 2022, Aston Martin F1 will also become the first team in 20 years to occupy a new, purpose-built factory. “Against a cost-cap environment, we have the perfect opportunity alongside our IFS system to really focus on efficiency, optimization and, ultimately our purpose: helping over 1,000 people to create, within regulated constraints and spends, the highest possible performance for our F1 competition cars,” concludes Yeowart.

As a strategic technology partner, IFS will empower Aston Martin Cognizant Formula One Team with its state-of-the-art tools to ensure operational excellence. The platform gives the team flexibility in this exciting new era with fresh investment from the shareholders and the construction of a new factory.

Oliver Pilgerstorfer, Chief Marketing Officer, IFS, added, “Effectively capturing and handling data is crucial for high-performing businesses like Aston Martin F1. The sport of Formula One is all about precision, which is relevant across the whole value chain, where hundreds if not thousands of separate processes need to be perfectly orchestrated to ensure success on race day—that’s the moment of service, when everything comes together. IFS is proud to empower many of the world’s most respected brands to operate at peak performance, often in highly regulated industries where compliance, traceability and quality assurance truly matter.”

BRTA and MathWorks give access to the MATLAB and Simulink product families to all BRTA technology centers, with the aim of supporting science, technology and innovation in the Basque Country

16 June 2021

Originally posted in Spanish and translated via Google Chrome.

The Basque Research and Technology Alliance (BRTA) and MathWorks, a leading provider of computational software, have signed an agreement focused on accelerating innovation and digital transformation in all industries in the Basque Country. The agreement allows engineers and researchers from 12 BRTA Technology Centers to access the full portfolio of MATLAB and Simulink products in support of their strategic R&D initiatives in areas including cyber-physical systems, artificial intelligence, digitization, robotics, medical devices, IoT and 5G.

“For BRTA, it has been a very satisfactory agreement, it will allow technology centers access to work tools that will make possible first-order developments through modeling and simulation, to generate new knowledge and, what is more, relevant, transfer it to our business fabric and our society. MathWorks tools will make it possible to address solutions for complex systems in very diverse areas, such as digital twins, applied AI, computer vision, cybersecurity, process modeling, ”says Rikardo Bueno, CEO of BRTA.

BRTA engineers and researchers will have access to more than 100 products from the MATLAB and Simulink families, as well as a set of modules and online training activities to support their user community, all provided by MathWorks, for their use. in the development of embedded systems and artificial intelligence algorithms.

The BRTA technology center projects that will benefit from the agreement will include:

- Next generation of renewable energy systems, solar, wind and batteries
- eMobility: sustainable transport systems and vehicles
- Digital twins and predictive maintenance for industrial processes and equipment

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- Robotics and autonomous systems
- Artificial intelligence for big data analytics deployed in the cloud and on embedded devices
- New communication systems based on 5G
- Development of artificial intelligence applications for the health sector

To facilitate understanding and use of MATLAB and Simulink, the BRTA and MathWorks technology centers are collaborating on a technology adoption roadmap that will accelerate implementation and facilitate communication and exchange among BRTA members.

Connected Structural Group Creates Complex Structures with Nemetschek Solutions

17 June 2021

Connected Structural Group, a US-based provider of structural engineering and steel detailing, is using Bluebeam, SDS2, and RISA to build casinos, airports, hospitals, campuses, and other facilities. In 90 percent of their projects, these three Nemetschek Group solutions play an essential role. The benefits include improved interoperability, increased efficiency, and better results.

CSG started working with Building Information Modeling (BIM) 15 years ago. Technology has been key to enabling the company to get involved with large projects.

CSG is working on a broad range of high-rise, complex structures such as casinos, airports, hospitals, campuses, and other facilities in the US. The company also has an engineering division, Connected Structural Engineers (CSE). All the projects designed by CSG and CSE use BIM for cost estimates, simulations, scheduling, energy analysis, structural design, fabrication, erection, and facilities management. The company trusts in three Nemetschek Group products on 90 percent of its projects as the basis for their design and fabrication processes.

CSG has been using *SDS2* from the very beginning of the company in 2006, when the industry started to turn towards 3D modeling. *SDS2* was chosen as opposed to Revit, so that they could use it for both the design and fabrication stages. In addition, James Warner, founder and owner of Connected Structural Group (CSG), has been using the engineering software *RISA* for 20 years and the collaboration software *Bluebeam Revu* for ten years.

In CSG's workflow, almost every project starts with *SDS2* as the model base. *SDS2* is used for 80 percent of CSG's steel detailing and 20 percent structural design from the ground up. *Bluebeam* is then leveraged for collaboration both in and out of the office. "Before we started to use *Bluebeam*, our processes were challenging. We were prone to losing track of a document once it was sent around the office for checking and redlining. With *Bluebeam* everyone sees the markups, who has picked up that markup, and then it can be back-checked," Warner explains. "With more people working remotely these days – especially during the pandemic – we are also benefiting significantly from *Bluebeam*'s real-time collaboration features."

RISA is used to analyze the structure during construction for erection sequencing, temporary loading, stability, and deflection. The technology also helps with seismic winds when dealing with structures; tall structures in particular would take months to analyze without specialized software.

For CSG, the additional benefits of working with the Nemetschek solutions include the interoperability between programs and Nemetschek's customer focus. "The support centers are always prompt at getting back and supporting us to get new products up and running," Warner said. "And the Nemetschek Group has a very interesting portfolio – we are currently also looking at *Solibri*. The model coordination and checker functionality could be extremely helpful for us," he concluded.

Deutsche Bank Partners with Oracle to Accelerate Technology Modernization

24 June 2021

Oracle and Deutsche Bank, one of the world's largest financial services organizations, announced a multi-year collaboration to modernize the bank's database technology and accelerate its digital transformation.

The agreement will see Deutsche Bank upgrade its existing database systems and migrate the bulk of its Oracle Database estate to Oracle Exadata Cloud@Customer, an on-premises deployment option of the Oracle Exadata Cloud Service, to support applications that either will not move to the public cloud or may in the future. This will provide a dedicated platform to support and scale the bank's existing mission-critical systems and services including trading, payments processing, risk and capital planning, and regulatory reporting.

Migrating its systems to Oracle Exadata Cloud@Customer will enable Deutsche Bank to consolidate existing critical applications on a single platform while complying with its data residency requirements and significantly reducing operational costs. Oracle's service can run in Deutsche Bank's current data centers as well as in future cloud co-location sites, minimizing latency while supporting the shift of applications to the cloud. It will enable Deutsche Bank to drive data integration across its business in order to streamline operations, provide unified oversight of core service processes and implementations, and easily develop and scale applications based on customer demand.

The two companies have also agreed to form a joint innovation partnership, bringing together Oracle and Deutsche Bank engineering and technology teams to explore potential uses for data security technologies, blockchain, AI and analytics to shape the design of new financial products and services.

The collaboration supports Deutsche Bank's multi-year digital transformation initiative led by its Technology, Data and Innovation (TDI) division, and is a logical further step in the bank's overall cloud strategy. This includes establishing a strategic public cloud partnership in December 2020.

"Data is fundamental to how we manage our operations, anticipate the needs of our customers and design new products and services. Our collaboration with Oracle to modernize our databases will play an important role in our overall technology transformation," said Bernd Leukert, Chief Technology, Data and Innovation Officer, Deutsche Bank. "Our applications supported by Oracle Exadata Cloud@Customer will benefit from a platform with the flexibility to adapt and scale critical services at speed, as well as derive better data insights. In the process, we will simplify and modernize our technology environment, save the bank significant costs and reduce energy consumption through consolidated servers."

"Now more than ever, financial services organizations like Deutsche Bank must quickly adopt new technologies and maintain speed-of-innovation while also meeting their data security and locality requirements in an always-changing regulatory environment. Oracle Exadata Cloud@Customer is designed to help Deutsche Bank achieve this balance, and we are looking forward to partnering with one of the financial sector's most progressive digital innovators as we help shape the next generation of financial services and business models," said Juan Loaiza, Executive Vice President, Mission-Critical Database Technologies, Oracle.

Grupo Flexi Selects Centric PLM to Achieve its 5-year Business Plan

21 June 2021

Founded in 1935, Grupo Flexi produces 16 million pairs of shoes per year, has over 4000 employees and more than 400 physical stores throughout the country. The company invests in design and development projects with the latest technology to satisfy consumers' expectations of quality and comfort.

More than 10 years after it first explored PLM, the company has finally found a partner with the expertise and experience necessary to support its business model. "Now, with the pandemic generating more projects and forcing us to evolve, we see that Centric PLM will be critical in meeting our goals for 2021-2025. With a more agile implementation methodology and a more user-friendly system for our processes, we will be able to act digitally, remotely and collaboratively," explains Martín Cortés, Project Manager at Grupo Flexi.

He continues, "We were managing product development with paper forms that are filled out and signed by hand to begin creating designs. Centric PLM will support us during product inspiration and conceptualization as well as through the entire design and development process in addition to communication with planning, supply chain, costing... It will also provide more visibility to sales about what we will offer in the collections. PLM will integrate not only these processes and areas, but also external vendors and teams. We will provide greater visibility and transparency with a single source of truth, which will allow us to accelerate launches with more products in less time.

"Centric is focused on our business model and the industry in which we operate. We are placing all our trust in Centric PLM and we believe that this partnership will be very successful."

"We are proud to work with Grupo Flexi on such a key digital transformation initiative, critical to achieving their 5-year goals," says Chris Groves, president and CEO of Centric Software. "Our partnership is a perfect example of what innovations and best practices can bring to companies in Latin America as well as elsewhere."

John Soules Foods Consolidates Core HR and Payroll with Infor

24 June 2021

Infor, the industry cloud company, announced John Soules Foods' successful go-live and consolidation of its payroll and human resources systems. Working alongside Infor implementation partner Bails, John Soules Foods has implemented key cloud-based Infor Global Human Resources (HR) applications, migrating more than 1,200 employees with facilities in multiple states, and successfully paying them with the first paycheck of 2021. Specifically, Infor's new multi-tenant payroll solution will help provide in-house payroll processing capabilities to help manage back-end payroll processes, including employment tax filing, wage payments, wage garnishments, and other value-added services.

"The team at Bails understands that talent is what drives a business, and we congratulate John Soules Foods for its successful go-live of Infor's HR applications in the cloud," said Jamie Bails Richardson, president of Bails. "We helped guide the John Soules Foods team through a successful implementation that is designed to help their teams be more resilient, self-sufficient and productive through one global system of record for all employees."

A leading provider of beef and chicken through retail sales, food service distributors, restaurants, and school nutrition programs, John Soules Foods was looking to consolidate multiple HR and payroll systems and turned to Infor to consolidate applications across multiple states with the goals of better and faster reporting and to help reduce bottom-line expenses associated with maintaining a large support

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architecture. Now, the organization can increase communication between HR systems and has more operational control.

“One of the main reasons we chose Infor’s HR and Payroll applications was Infor’s in-depth understanding of our organization and our unique challenges with facilities,” said Sherry Allen, John Soules Foods senior accounting manager. “The flexibility the solution offered was exactly what we needed, and we’re looking forward to adding more functionality in the future to simplify internal processes even more.”

Infor HR applications can help nurture top talent, engage employees, and foster a community aligned to an organization's mission. The solution’s powerful tools can help eliminate silos and legacy HR systems, while automating business practices and procedures. Deep insight into workforce data can help enable HR teams to make smarter business decisions and focus on more value-added, strategic work. In addition, Infor HR Payroll offers complete in-house payroll processing capabilities, with multiple options for service partners to help manage value-added and compliance payroll processes, including employment tax filing, wage payments, wage garnishments, and more.

“The workforce and its needs are changing at a rapid pace, and a modern technology platform can help drive greater value,” said Matthew Bragstad, Infor vice president of people solutions, vision and strategy. “Organizations such as John Soules Foods, that prioritize cloud-based, global platforms to transform how HR is delivered, can enhance people’s experience and ultimately drive better business results.”

Polttimo Group Aiming to Harvest Business Data with Infor

23 June 2021

Infor, the industry cloud company, announced that Finnish grain, malting and food manufacturing company Polttimo has implemented Infor CloudSuite Food & Beverage in five European countries. Delivered via multi-tenant cloud on Amazon Web Services (AWS) across Finland, Sweden, Denmark, Poland and Lithuania, the application will help harmonize technology and ways of working leading to better traceability and operational transparency. Simplifying processes will improve quality controls and reporting. All this will ultimately increase operational efficiency and enable the company to optimize the operating model.

Following a thorough review of the market, Infor CloudSuite Food & Beverage was chosen, and one of the key criteria was Infor’s domain expertise and industry-specific functionality. The application will replace several existing ERP systems and deliver the benefits of standardization to the entire Polttimo Group.

Polttimo decided to go with a multi-tenant SaaS solution due to the lower total cost of ownership (TCO) and the ability to immediately benefit from new innovations that are delivered from Infor on a regular basis. They also saw the benefits of always having an up-to-date solution with reduced need for major upgrades.

Polttimo expects to see an increase in the transparency and subsequent control of key business metrics, better business continuity, improved efficiency and collaboration with stronger quality controls, and preparedness for an evolution towards integrated business planning.

“It is testament to the skills and collaboration of Infor and Polttimo that we have been able to implement a common ERP platform amidst some of the most challenging conditions,” said Teemu Pohjola, CFO of Polttimo Group. “We have completed more than 80% of our go-lives remotely, and we look forward to leveraging the benefits of the new ERP.”

“We continue to support a growing number of leading Nordics businesses as they undertake substantial initiatives to improve their competitive positions,” said Malte Ekedahl, Infor vice president for the Nordic. “This investment by Polttimo is another endorsement of our cloud industry-specific strategies that can help deliver best practice programmes to companies that are looking for a transformation.”

Red Wing Shoes Takes a Major Step Towards End-to-end Omnichannel Order Fulfillment with Tecsys Software

24 June 2021

Tecsys Inc., an industry-leading supply chain management software company, announced that Red Wing Shoes, a Minnesota-based global boot company, has implemented Tecsys’ order management software to power its omnichannel distribution operations and enable unified commerce. The Tecsys platform will serve as a central cog in the retailer’s order fulfillment capabilities, orchestrating incoming orders from front-end systems and giving Red Wing Shoes customers a streamlined cross-channel experience.

Red Wing Shoes brands are distributed to more than 110 countries in an immersive multichannel environment of 525+ Red Wing retail stores, third-party partners, and owned e-commerce platforms. Previously, Red Wing Shoes relied on multiple siloed buying channels that limited the company’s ability to provide seamless shopping experiences between channels. Tecsys’ order management system provides Red Wing Shoes sophisticated tools to connect those channels and develop its omnichannel commerce strategy to ensure positive customer experiences however and wherever customers shop.

“We turned to Tecsys to help us modernize our omnichannel infrastructure, and the results have been very positive,” says Dennis Keane, CIO at Red Wing Shoes. “From selection through to implementation and execution, the Tecsys team helped us chart a course for more resilient and more profitable retail fulfillment operations. Not only does the Tecsys platform enable us to fulfill orders more economically through consolidation and dynamic routing, but we are also able to cater to a new segment of digital consumer by providing more channels, more flexibility, and better access to inventory. We are agile in our online order fulfillment capabilities, and we know that we are in good hands with the team at Tecsys.”

Tecsys’ dynamic retail supply chain platform connects fulfillment siloes, enabling retailers to pick, pack and ship orders through data-driven algorithms, factoring in fulfillment flexibility, inventory availability, intelligent order orchestration and routing, and cost to fulfill. As Red Wing Shoes continues to calibrate for post-pandemic commerce, the Tecsys platform provides the flexibility to adapt to dramatic shifts in buying patterns and fulfillment expectations.

Red Wing Shoes has likewise implemented a B2B2C process in which the retailer will function as a logistical intermediary in facilitating the end-to-end buying journey. This fulfillment channel provides customers of Red Wing Shoes and its subsidiary brands a unified and convenient digital shopping experience through multiple avenues, allowing the retailer to digitally extend access to its products without traditional retail infrastructure requirements.

“Done right, unified digital commerce is fueling retailer growth beyond traditional boundaries. It is a massive opportunity that any brand can tap into with the right technology,” says Bill King, chief revenue officer at Tecsys. “In the age of Amazon, customer expectations are sky high, and they expect to be able to buy any brand, anywhere at any time. Red Wing Shoes is equipping itself for that ecosystem, and we are delighted to provide the technology to fuel their digital fulfillment agility.”

Specsavers Selects Accenture to Transform Technology Capabilities Using the Cloud

21 June 2021

Specsavers has selected Accenture to help improve and modernise its technology capabilities. This will drive efficiencies across its business and enhance the service experience for its customers, store partners, and colleagues.

The new strategic agreement builds on an existing relationship between the two organisations and calls for Accenture, working closely with Microsoft, to modernise Specsavers' legacy IT architecture with cloud, intelligent automation and security solutions. This will drive service improvements and increase automation to reduce IT incidents and lower the total cost of IT ownership through systems consolidation. It will also strengthen security and compliance to rapidly adapt to changing cyber defence, data and privacy needs. Modernising its IT infrastructure will enable Specsavers to respond to business change with greater speed and agility, providing improved resilience as it recovers from the pandemic and expands its services.

“Delivering a first-class experience to our customers, store partners and colleagues is at the heart of everything we do,” said Adrian Thompson, global CIO of Specsavers. “By building on our long-standing relationship with Accenture, we can further benefit from the power of its technology capabilities and expertise to drive efficiencies across our business, deliver an improved experience and seize new opportunities for growth.”

“The pandemic has created more change than we've seen in a generation and highlighted how cutting-edge technology is vital to business resilience,” said Ashish Goel, Accenture's Health lead in the U.K.

“It has also placed greater importance on personal wellness. As such, for health retailers, customer experience has never been more important. Harnessing the power of cloud, intelligent automation and enhanced security will allow us to support Specsavers on its digital journey, empower its store partners and colleagues to deliver seamless customer experiences and boost business agility in response to change - improving how customers are served as a result.”

Taking One Step Closer to Life on Mars, Interstellar Lab Unveils “BioPod” Created with Dassault Systèmes' 3DEXPERIENCE Platform

24 June 2021

Dassault Systèmes announced that Interstellar Lab, a research company creating closed-loop controlled environment habitats and biospheres generating and recycling food, water and air, used the 3DEXPERIENCE platform on the cloud to efficiently design and develop its first prototype, BioPod. This controlled environment food production system advances its mission to build space-ready stations containing the infrastructure and resources to support human life sustainably on Earth, the Moon and Mars.

Interstellar Lab used the “Reinvent the Sky” industry solution experience based on the 3DEXPERIENCE platform to seamlessly collaborate, and rapidly optimize and validate its designs. In one digital environment providing secure and instant access to the latest project data from anywhere at any time, team members in France and the U.S. combined their expertise and used a virtual twin to simulate and test the performance of BioPod's structure in extreme climates, as well as that of its biological systems such as the optimal levels of oxygen, carbon dioxide and light levels for plants to grow.

“Climate change is a real emergency for Earth and we only have a small window to bring about positive

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change. We are developing a new framework for sustainable living on Earth and a testbed for future space missions,” said Barbara Belvisi, Founder and CEO, Interstellar Lab. “The 3DEXPERIENCE platform enables us to have the most efficient working processes and avoid reworking designs from scratch. As we progress to the next stage, the platform’s program and project management capabilities will be invaluable to us for storing and retrieving design knowledge and managing the product lifecycle effectively.”

BioPod is an inflatable dome measuring 6 meters (19.7 feet) wide, 10 meters (32.8 feet) long and 4.5 meters (14.8 feet) high that uses composites for the solid technical base and soft plastic membranes for the main and outer shell. It is designed to revolutionize food production by combining advanced crop cultivation technology with predictive monitoring to grow a diverse array of crops and plants that would not otherwise survive in a traditional indoor farming setup.

As BioPod evolves, Interstellar Lab will use the virtual twin to experience and monitor the dome’s operations and maintenance, and gather data around food production and the environment. The 3DEXPERIENCE platform will also facilitate communication with suppliers as the company designs future modules and scales up manufacturing and outsourcing, and enable Interstellar Lab to create photo-realistic renderings from BioPod’s 3D model, to communicate its vision.

“Innovators are shaking up traditional industry dynamics in the race to explore space with new concepts defining the future of aerospace systems,” said David Ziegler, Vice President, Aerospace & Defense Industry, Dassault Systèmes. “The 3DEXPERIENCE platform enables them to integrate technology into product development and accelerate the product lifecycle from concept to certification using the same tools that larger companies use, without the overhead. They can engage in virtual twin experiences to optimize their ideas, gain critical first-to-market advantage, and introduce more sustainable ways to live and explore.”

Product News

Cadence Advances RF Design with the Latest AWR Design Environment Platform

22 June 2021

Cadence Design Systems, Inc. announced AWR Design Environment® Version 16 (V16) with groundbreaking cross-platform interoperability to support RF to millimeter wave (mmWave) intellectual property (RF IP) integration for heterogeneous technology development across the industry-leading Cadence® Virtuoso® design platform as well as the Allegro® PCB and IC package design platforms. The V16 release also introduces seamless integration with the Clarity™ 3D Solver and Celsius™ Thermal Solver, delivering unconstrained capacity for electrothermal performance analysis of large-scale and complex RF systems. The new AWR Design Environment, including Microwave Office® circuit design software, enables customers to efficiently design 5G wireless and connected systems for automotive, radar systems, and semiconductor technologies and get to market faster. Platform and solver integration in the V16 release provides up to a 50% reduction in turnaround time (TAT) compared to competing workflows.

“To win today in the highly competitive 5G/wireless markets, customers are demanding solutions that enable complete and comprehensive RF workflows that don’t just start and stop at the chip but extend to the entire system,” said Vinod Kariat, corporate vice president of research and development at Cadence. “The RF workflow innovations enabled by the AWR Design Environment V16 release start with a foundational advance in the way design data and software IP are now shared and seamlessly transferred

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across products. Under the overarching Cadence umbrella, the level of RF integration being introduced with this release is truly an advancement for engineering team productivity.”

Platform interoperability is crucial to expediting RF integration and promoting engineering productivity. Seamlessly sharing design data among the AWR Design Environment, Virtuoso, and Allegro platforms eliminates any disconnect between RF design and manufacturing layout teams, saves valuable engineering resources and positively impacts development schedules. With the V16 release and its deep electromagnetic (EM) and thermal embedded analyses, customers are seeing more than a 3X reduction in TAT.

Key features in this release include:

- **Allegro integration:** Ensures manufacturing compatibility and RF integration with PCB and IC package design flows
- **Virtuoso integration:** Leverages Microwave Office for RF front-end design IP and combines it with the Virtuoso Layout Suite for IC and module integration
- **Clarity integration:** Enables EM analysis for design verification of large RF structures such as module packaging and phased-array feed networks
- **Celsius integration:** Provides thermal analysis for monolithic microwave IC (MMIC) and PCB high-power RF applications
- **AWR enhancements:** Accelerates RF IP creation with advances in design automation and finite-element analysis (FEA) solver performance

"Cadence platforms such as the AWR Design Environment, Allegro PCB/SiP, and Virtuoso RF with integrated EM solver technologies are critical to the development of our RF/mmWave MMIC, RFIC and multi-chip 2.5/3D packaging technology," said Florian Herrault, group leader, Advanced Packaging Solutions at HRL Laboratories. "Our design team is very excited by the performance and productivity gains to be had through Cadence's RF solutions. Having the ability to share RF IP created in Microwave Office with our IC, package and board teams is driving a significant reduction in our overall design time so we can deliver the highest quality products to market faster."

AWR Design Environment V16 supports the Cadence Intelligent System Design™ strategy, enabling system-on-chip (SoC) design excellence and system innovation. The V16 platform has been released and is now available for download.

Four in one sweep: New VDI 3805 guidelines for building automation and electrical engineering

17 June 2021

VDMA and VDI facilitate the integration of building services in BIM with the support of VDMA technology partner CADENAS

The working groups "BIM and Building Automation" and "BIM and Electrical Engineering" of the VDMA Automation + Management Association for House + Buildings and the working group VDI 3805 "Electrical Engineering and Building Automation" have developed four draft guidelines at one go with the help of CADENAS as technology partner. As of May 1, 2021, sheets 51 (sensors), 52 (building automation and control systems), 53 (control cabinets) and 61 (installation connector systems) are available as green prints. "Never before in the history of the VDI have so many guidelines been published at once in one series," enthuses Karsten Spieß, Head of Data Management BIM / MEP at CADENAS as well as Vice Chairman in the VDI main committee VDI 3805 "Electrical

Engineering and Building Automation". "Thanks to the great performance of all participants, we were able to take a big step forward in integrating components of Building Automation and Electrical Engineering into the BIM process."

Simplified provision of product information for component manufacturers thanks to standardized data format

The VDI guideline series 3805 "Product data exchange in technical building equipment" serves as a standardized interface for the provision of structured and classified data for MEP. It regulates the general product data model, the data structure and the description of geometric and technical data and performance characteristics of components for building services. VDI 3805 is thus an essential basic work without which it is not possible to work in the subsequent BIM process. In the past, manufacturers offered their technical or geometric data in many different formats. This created a great deal of work for manufacturers, software providers and for the users themselves, as well as a high error rate. "Thanks to our standardization work, manufacturers now only have to prepare and maintain one standardized data format. This eliminates the need for time-consuming conversions to special formats," explains Thomas Müller, Deputy Managing Director of Automation + Management Association for House + Buildings at VDMA, the largest network organization in the European mechanical and plant engineering industry.

VDMA decided to tackle the BIM method about four years ago under the advice of Karsten Spieß. "We know that BIM is the future of civil engineering. That's why we are paving the way for component manufacturers to enter the BIM planning process to ensure they are better perceived by planners and architects," states Thomas Müller. "We are working at full speed to expand VDI 3805 to include other areas of building services, such as safety engineering. Currently, we have six more sheets in the pipeline and hope that the entire field of building services can soon be represented as a continuous digital twin."

Standardization improves cooperation between MEP trades

Above all, MEP planners also benefit from the standardization work of the associations. They work with different target systems, which made cooperation difficult in the past, as there often were breaks between the individual trades (heating, plumbing, ventilation, electrical engineering, building automation) during the handover of building elements. "The fact that electrical signal and communication connections are now also stored in VDI 3805 means that planners of building services can now switch from one target system to the other without having to laboriously type in technical data sheets by hand, as was previously the case," says a delighted Karsten Spieß. "Our next step is to incorporate room functions of building automation based on VDI 3814 into VDI 3805. It is imperative that the use cases of the technical components are mapped as well. This ensures that the BIM process does not end when the property is handed over to the operator but can be continued by facility management."

Effortlessly provide planning data with millions of possible combinations thanks to Multi BIM & CAD format

Karsten Spieß and the team of the new CADENAS Competence Center for BIM support component manufacturers in the optimal provision and marketing of VDI 3805 compliant product data for MEP. With the digital product catalog solution by CADENAS, manufacturers can generate extensive multi BIM & CAD product data. This makes it possible to offer planning data with millions of combinations in terms of CAD system, classification, specifications, level of geometry, level of information, languages, etc. from a central database - no matter what individual requirements customers have for the respective product data.

Hexagon adopts the supercomputer Fugaku to revolutionise the use of simulations in product innovation

23 June 2021

Hexagon has demonstrated how innovation can be accelerated by opening up the possibility of completing complex CFD (computational fluid dynamics) simulations that were previously too time consuming and expensive using the world's fastest supercomputer, Fugaku. The company's Manufacturing Intelligence division has shown that the performance of next-generation aircraft and electric vehicles can be explored in greater detail and with many more iterations using the power of simulation. By exploiting cutting-edge semiconductors, manufacturers can analyse all the complexities of reality with less than half the energy use and at a fraction of the cost of traditional simulation methods.

CFD simulations require significant computational power and resource. Consequently, engineers have to spend many hours simplifying a real product design just so that it can be simulated to make sure it will perform as needed. In some instances, 90% of an engineer's time can be dedicated to this manual process, and engineers are increasingly being challenged to 'scale-up' simulations to manage more elements. As a result, the cost and time to achieve these simulations is prohibitive and engineers can only simulate an approximation of a product. Now, Hexagon's Cradle CFD customers will have the opportunity to tap into the power of the ARM-based Fugaku computer architecture to achieve complex simulations quickly and easily. This is made possible through a new partnership which will allow customers to use Cradle CFD software on Fujitsu Limited's commercially available Supercomputer PRIMEHPC series that utilizes the Fugaku technology.

Engineers will now be able to simulate complex designs without having to simplify them, not only saving time but also giving access to significantly enhanced detail. This in turn will enable them to explore multiple design options and do so quickly, using simulation more frequently to refine and test their designs and explore new concepts that cannot be explored with physical testing or simulation today. Manufacturers now stand to benefit from this increased speed and detail. Their engineers could also use this type of simulation routinely in their daily work, as the Fugaku architecture uses approximately a third of the energy of the computers they use currently, reducing cost and improving environmental sustainability.

This development is revolutionary for engineers in a number of sectors, including automotive, aerospace and construction, all of which need the insights provided by large-scale CFD simulation. This is particularly valuable at a time when the automotive and aerospace industries are racing to bring new forms of mobility and new electrified transport to market. For example, automotive OEMs are under pressure to accelerate the transition to electric vehicles. By saving time on manual processes like meshing, manufacturers can run more simulations to better understand how the aerodynamics of a new model impacts energy efficiency and range, and be able to iterate more between design and engineering and ultimately achieve the optimal design. Thermal management is also particularly important in electric vehicles, as managing the heat of a vehicle optimizes its performance, safety and longevity – all of which are major challenges for the EV market. Understanding these issues through higher resolution simulations enables engineers to achieve optimal designs and bring models with attractive design and range to market faster.

Hexagon experts collaborated closely with Fujitsu Limited to tune the Cradle CFD code to run on Fugaku and complete test simulations. A typical family car was simulated in its entirety, which is only possible with enhanced computational power. This model comprised 70 million elements using 960

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cores and was simulated until steady state using the RANS equation over 1,000 cycles.

In aerospace, the impact of turbulence that forms around the wings of an aircraft is of critical importance to how it is controlled and its safety. Turbulence is the result of many vortices, some of which are so small that they are not feasible to simulate using current methods. Using Cradle technology with Fugaku's extra computational resource, engineers can now achieve a higher resolution simulation to enable them to better understand the impact of turbulence on the structural safety of the aircraft and the forces it can withstand.

This is important for the development of the next generation of aircraft, including supersonic and hypersonic, for which engineers need to understand the behaviour of shockwaves around the aircraft.

The team successfully completed a test simulation of transonic compressible fluid around an aeroplane. Transonic analysis is essential to the design of safe and efficient aircraft, helping engineers understand what happens when the air flows around a wing control surface. The simulation:

- Comprised approximately 230 million elements
- Was tested using 4,000 nodes (192,000 computing cores)
- Used 48,000 processes via Message Passing Interface (MPI) and 4 threads via the OpenMP application programming interface.

This research was carried out by receiving the computational resources of the supercomputer Fugaku of RIKEN through the HPCI System Utilization Research Project (Issue No.: hp200209, hp200302).

Roger Assaker, President Design & Engineering, Hexagon's Manufacturing Intelligence division, said: "Simulation holds the key to innovations in aerospace and eMobility. Advances such as the low-power Fugaku supercomputing architecture are one of the ways we can tap into these insights without costing the Earth, and I am delighted by what our Cradle CFD team and our partners have achieved."

Masahide Fujisaki, Executive Director of Fujitsu Limited, said: "Fujitsu was pleased to have the chance to work with Software Cradle Co., Ltd. to tune and validate the performance of the scFLOW's solver for large models on the supercomputer Fugaku and the Fujitsu Supercomputer PRIMEHPC series, which utilizes the technology of Fugaku. In the future, we look forward to working together with vendors to optimize commercial applications and contribute to the industrial use of Fugaku, while simultaneously offering the Fujitsu Supercomputer PRIMEHPC series to manufacturers and other companies so that the results of this work can be widely used in industry."

Tomohiro Irie, Director of R&D for Cradle CFD, said: "By using the efficient computing power of Fugaku with our simulation tools, we will encourage users to simulate phenomena that simply weren't feasible before due to the computation time and cost. Today we have simulated with 192,000 cores, but this is only the beginning – because Cradle CFD is used in diverse applications, I expect that these technical developments will contribute to making the power of Fugaku more accessible for general use, bringing huge freedom and improved insights to engineering teams solving tomorrow's problems today.

"Both Cradle CFD and Fugaku are based in Japan, and I believe we can leverage these excellent achievements globally through Hexagon's network."

Hexagon announces Luciad 2021

22 June 2021

Hexagon's Safety, Infrastructure & Geospatial division announced the release of Luciad 2021, a significant update to its platform for building advanced location intelligence and real-time, situational awareness applications. Luciad 2021 delivers enhanced performance, improved development

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capabilities and more dynamic web applications.

With Luciad 2021, defense, aviation, maritime and other organizations can develop more effective and reliable web applications. LuciadFusion, an all-in-one server solution for geospatial data management, has been equipped with two new types of data streaming, resulting in faster streaming of imagery and point cloud data, while LuciadRIA, used for building browser-based solutions, now includes support for Web Assembly. This state-of-the-art technology brings desktop-like calculations to the browser, reducing start-up time and improving application performance.

Luciad 2021 also features enhancements to the SDKs for desktop and on-board vehicle applications. LuciadLightspeed can now seamlessly integrate into JavaFX-based applications. This makes it easier to embed LuciadLightspeed map components into user interfaces and introduces new capabilities, such as high-resolution map printing. LuciadCPillar, an API for C++ and C# developers, was updated with labelling support and other new features.

“As data becomes bigger and more complex, decision-makers need dynamic applications to view and analyze information with minimal delay,” said Mladen Stojic, President, Geospatial, Hexagon’s Safety, Infrastructure & Geospatial division. “Luciad 2021 delivers even better performance for geospatial streaming and web applications, while also improving the capabilities of desktop and in-vehicle solutions. It provides developers with an exceptional toolset and maximum flexibility to suit their technology and architecture needs.”

The Luciad portfolio is the SDK of choice for building high-performance mission-critical geospatial applications featuring static, dynamic and moving data in 2D and 3D. It is used extensively in defense, aviation, maritime and other sectors and powers solutions for NATO, EUROCONTROL, Lufthansa Systems, Airbus Defence and Space and many other leading organizations.

IMAGINiT Technologies Launches Clarity Cloud for Autodesk Revit Task Automation

23 June 2021

IMAGINiT Clarity Cloud, a custom-built SaaS solution, gives architecture, engineering and construction firms of all sizes the ability to harness the power of Clarity. Designed to eliminate upfront hardware and IT related costs, Clarity Cloud initially launches with specific task automation for Autodesk® Revit and AutoCAD in BIM 360 projects. Further features will be released in the near future, continuing to expand this subscription-based, time-saving solution.

“Clarity Cloud is the perfect solution for small to mid-sized architectural firms and those looking to test drive the power of Clarity without burdening IT staff to approve or deploy hardware,” says Bill Zavadil, president, IMAGINiT Technologies. “This innovative offering is yet another example of our software development group creating products that enable employees to focus more time on strategic inputs instead of mundane, repetitive tasks. Clarity Cloud is not tied to a traditional software release schedule, thus we anticipate that this product will evolve quickly and more features will be added as the Autodesk Forge capabilities continue to expand.”

This release of Clarity Cloud offers powerful tools that automate manual processes such as creating PDF sets, exporting DWG files, backing-up projects, creating datasheets for rooms, equipment and furniture and more. Simple, monthly subscription pricing also makes it easy to allocate costs to a specific project, eliminating general overhead and minimizing financial risk.

Infor's "Three for Free" Program Can Help Smaller Distributors Leverage Cloud ERP Technology and Rebound from the Pandemic

21 June 2021

Infor, the industry cloud company, announced a "Three for Free" program for smaller distributors in North America, designed to help them leverage cloud enterprise resource planning (ERP) technology in an effort to help them rebound from the pandemic and strengthen their businesses.

For a limited time, small and mid-sized businesses (SMBs) in North America can receive a subscription for three free user licenses of Infor CloudSuite Distribution — a cloud platform powered by the Infor Distribution SX.e ERP system — with an optional fixed-fee services engagement. The program applies to any SMB that is not already an Infor ERP customer.

SMBs have been particularly hard hit by the pandemic and may be hesitant to invest in new technologies, according to Kelly Squizzero, Infor senior director of industry & solution strategy for distribution. Infor's "Three for Free" program is designed to help remove that obstacle and enable SMBs to use the cloud technology to help improve their productivity, infrastructure and security.

"Infor cloud solutions can help SMBs get back to business faster and stronger and can help them level the playing field against larger competitors," Squizzero explained. "Infor CloudSuite Distribution is uniquely suited to help address increasing customer demands, stronger security threats, a challenging employment market, and the need for greater visibility."

Eligible companies that enroll will get*:

- A subscription for three free user licenses of Infor CloudSuite Distribution
- Preconfigured dashboards and reports
- Implementation Accelerators
- Full access to Infor Support through Infor Concierge, a powerful, self-service solution for customers, designed to provide holistic access to relevant Infor resources
- Optional fixed-fee services engagement to help accelerate onboarding
- Ability to expand beyond initial offer at any time

** Offer includes all capabilities of Infor CloudSuite Distribution except Pricing Science. Subject to additional terms and conditions.*

With built-in industry practices, Infor CloudSuite Distribution can be rapidly implemented, without customization, which can help drive faster time-to-value and lower total cost of ownership. It can also help remove the burden of managing infrastructure, so SMBs can focus on strategic growth and other initiatives.

According to Matt Twomey, president of Electrical Terminal Service — a wholesale distributor of electrical apparatus and equipment, headquartered in the Detroit metropolitan area — his company's move to Infor CloudSuite Distribution brought a number of immediate benefits to the business. These included providing access to near-real-time pricing and availability, giving employees the ability to work from anywhere at any time, and enabling a 10 percent decrease in inventory without impacting delivery commitments to customers.

"The CloudSuite system can handle our growth in sales and in products," Twomey said. "It has made our lives a lot easier by removing redundant or unnecessary tasks, and it gives us good visibility across the business. It's been big for us."

Leica Geosystems introduces 3D machine control solution for compact excavators and backhoes with swing boom

22 June 2021

Leica Geosystems, part of Hexagon, announced to extend the Leica MC1 one-for-all software platform by offering its 3D machine control solution for compact excavators and backhoes with swing boom.

Contractors rely on efficient workflows for applications such as trenching for footings, grading ditches or digging out basements. As such, demand for technology enabled compact equipment is rapidly growing. Whenever applications require a consistent grade and sustained slope, 3D machine control solutions from Leica Geosystems excel on the job.

Leveraging the Leica MC1 – a unified platform for software and hardware – means compact equipment benefits from flexible dataflows, easy-to-use interfaces and increased productivity so operators can focus on the job. Operators also have the flexibility to use the MC1’s portable control panel across multiple machines and benefit from the cloud-based collaboration platform Leica ConX, to share and report as-built documentation with office and field stakeholders.

Add machine control to your entire fleet

With a swing boom sensor or manually defined angles, Leica Geosystems’ solution is flexible and easy-to-use. Even prism and total station configurations are possible for high accuracy jobs, thus offering all the advantages of the Leica iXE3 3D excavator solution even for smaller machines specialised for trenching and cabling jobs.

“For smaller projects such as garden landscaping, I can now use 3D models for smaller machines as well”, explains Thomas Petersen, an operator at Fuglsanggård. *“For larger projects, the compact excavators can now work on the same project as the larger machines. This will increase project productivity and help reduce errors.”*

Expanding 3D machine control to mini excavators will now ensure even higher productivity of the machine when working on individual projects. Contractors with larger, more diverse projects and bigger fleets have new options to utilise technology-enabled compact equipment that easily plugs into their digitally integrated workflows.

“We look forward to including the mini excavators in our quality 3D offering for excavators,” says Kris Maas, Leica Geosystems Machine Control Director of Product Management. *“Leica Geosystems has provided 3D machine control solutions for more than 20 years, and for our customers, it is an advantage to choose a supplier that can deliver 3D machine control for all machines on a connected construction site.”*

MODELON IMPACT 2021.2 NOW AVAILABLE

21 June 2021

In a blog post published on June 21, 2021, Modelon announced the release of MODELON IMPACT 2021.2. To see full details please read the full blog post here: <https://www.modelon.com/modelon-impact-2021-2/>

New CONTACT Elements module enables early production planning

22 June 2021

CONTACT Software is adding a new PLM component to its portfolio. With CONTACT Elements Work Plan, product development provides work preparation at an early stage with data on how and with what a product is to be manufactured. This enables companies to plan the production process in advance, set up their equipment, and react fast even to last-minute changes.

Both series and contract manufacturers are under more enormous time and cost pressure than ever before. Everything has to run smoothly in the globally distributed production plants in order to meet the shorter delivery deadlines and avoid expensive conversions during ongoing operations. Many companies thus rely on the strategy of "frontloading" in Product Lifecycle Management (PLM). CONTACT Elements Work Plan is a solution that supports this.

"A large part of the costs are determined in the R&D department," explains Dr. Jérémy Bonvoisin, Product Manager PLM at CONTACT Software. "Therefore, it is of great benefit to the manufacturing industry if as much knowledge as possible about the product is collected here and made available for downstream processes at an early stage." With CONTACT Elements Work Plan, companies get an application that smooths the transition from design to manufacturing, directly impacting on-time production starts.

CONTACT's new solution enables product development to create work plans in the PLM system that describe step by step the sequential, parallel and alternative manufacturing processes for an assembly or product. A major advantage of the Work Plan application is that the plans are directly linked to the relevant manufacturing BOMs, drawings, 3D models, specifications, guidelines and other documents.

The CONTACT Elements platform automatically transfers work plans, assembly instructions, and tooling information to ERP and MES systems, where they are supplemented with other manufacturing-related data. This ensures that procurement processes are triggered in time, work preparation can adapt the production environment to specific plants, and that a detailed sequence plan is available at each workplace.

The integration of production planning into product development also pays off when new customer requirements must be met shortly before the start of production. CONTACT Elements Work Plan, in interaction with the CIM Database xBOM Manager, supports the secure transport of constructive BOM changes and coordinated work plans to the ERP and MES instances. In this way, companies are able to quickly reschedule their production processes and execute production orders on time.

PTC ships Punditas AI platform with Creo Parametric 8.0

17 June 2021

Punditas LLC, a PTC Partner and a recognized leader in AI, has announced that the latest release of Punditas is available and embedded within PTC Creo 8.0. Punditas AI is the world's only AI Platform that helps app users and partners accelerate adoption, expansion, and usage of Enterprise Applications such as PTC Creo, ThingWorx, Vuforia, and others.

"We are excited to be partnering with PTC to deliver Punditas AI platform for Creo 8.0. Over 200,00+ PTC Creo users have leveraged Punditas AI within the last 10 months to get real-time guidance within Creo environment. PTC users are finding that a single source of Creo knowledge is just one click away with Punditas. Our AI platform is powered by Punditas Product Genome, which discovers, curates, and delivers Creo knowledge that is personalized for each Creo user based on their personal style and

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preferences” said Madhavi Ramesh CEO and founder of Punditas.

“Over the past year, we have more than doubled the number of users to over a quarter million active users. Punditas AI platform enables users to discover, share and collaborate on Enterprise Applications knowledge. Since it is highly sought after by our users, we are looking forward to exponential growth in 2021”

Punditas AI Platform is leveraged by:

1. Application end users (e.g. Creo Users)
2. Business Admins or App Admins (e.g. Creo Admins)
3. Partner ecosystem (e.g. PTC and PTC Partner network)

Punditas AI offers real-time guidance for Creo Users

Knowledge about PTC Creo is distributed across 100’s of sources, within customer’s internal repositories (Wikis, SharePoint Servers, File Systems, etc.), external sources (YouTube, PTC e-support portal, Online communities, SlideShare etc.) and within each PTC partner’s website (Partner Training offerings, Products and Services complementary to Creo). The answers required when working with Creo Software is not easily accessible since it is buried in disparate repositories mentioned above.

Punditas AI provides real-time guidance as users work in Creo environment. Contextual information on “how to use” a feature in Creo, and best practices for working with Creo or the available training, services from PTC Partners are presented based on the user’s context and personal preferences. This removes the unproductive guesswork or the endless search for such information. Punditas AI platform unlocks the value of Creo data stored in disparate repositories, and allows Creo Users to design faster, and with greater confidence.

Punditas AI offers Creo Admins with insights to deliver targeted Training & Knowledge

Punditas AI allows Admins to monitor the knowledge needs of Creo users across the organization.

Punditas Knowledge Needs module identifies users pain points, and also provides visibility into areas where users need assistance. Punditas Knowledge Paths module helps deliver targeted and contextual product training based on users area of interest, skill level, and their personal style. Customers leveraging Punditas AI are seeing increased user engagement leading to on-time delivery of projects and cost reduction.

Punditas AI enables PTC Partners to showcase their offerings and accelerate sales

Punditas AI platform is integrated within Creo environment. It enables PTC Partners to promote and showcase their Products, Services, Training, Webinars and Events directly inside the Creo environment. Punditas AI offers deep insights into PTC users behaviors, preferences and the knowledge needed to help partners position their solutions for success.

Release Announcement of CADdoctor for Autodesk Moldflow 2021.1 – Elysium

23 June 2021

Elysium has released CADdoctor for Autodesk Moldflow 2021.1.

Key Enhancement

Basic Specification

- Added support for the latest Autodesk Moldflow

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	Versions added in 2021.1	Supported Versions
Autodesk Moldflow	2021.1	2019 – 2021.1

Data Translation

- Added support for the latest CAD versions

Import & Export Options	Versions added in 2021.1	Supported Versions
NX	NX 1926 Series, NX 1953 Series	UG10 – NX 1953 Series
Creo Parametric	7.0	2000i – Creo Parametric 7.0

TCS Launches Quartz™ for Markets to Help Exchanges and Financial Institutions Innovate with Tokenized Assets

24 June 2021

Tata Consultancy Services (TCS), a leading global IT services, consulting and business solutions organization, announced the general availability of **Quartz™** for Markets, designed to help Market Infrastructure Institutions (MIIs) such as exchanges, depositories, central banks, payment infrastructures, private banks, custodians and issuers, offer end-to-end next generation services around tokenized securities, and drive their future growth.

Quartz for Markets builds on TCS' position as the largest independent software provider to MIIs, with its proven **TCS BaNCS for Market Infrastructure** and **Custody solutions** powering the operations of over 50 market-critical institutions across 66 countries. The new solution helps MIIs leverage blockchain technology to offer next-generation services around tokenized securities, such as KYC/AML, token issuance, order management, matching, atomic settlement, crypto custody, digital asset servicing, general meeting services and trade surveillance.

The new solution provides out-of-the-box support for multiple asset classes, including equity, fixed income, warrants, and asset-backed tokens like real estate, gold, art, non-fungible tokens (NFTs) as well as loyalty points. Investors can benefit from a choice of settlement in fiat currencies, cryptocurrencies, stable coins and digital currencies, thus gaining from both liquidity and flexibility.

Quartz for Markets is available on-premise as well as on cloud, and has been designed for easy integration and interoperability with existing core platforms and third-party solutions. It can work with public as well as private blockchain platforms and supports multiple token standards such as ERC and R3 Token SDKs. The solution includes an intuitive, low code development kit, with which it can be extended to meet the MII's future needs. Four MII's have already signed up for Quartz for Markets, and deployment is currently underway.

“Tokenization democratizes access to assets by turning material as well as digital assets into tokens that can be traded at a fraction of the current cost. This represents an opportunity for MIIs to launch innovative new services around tokenized assets, attract new classes of investors and drive growth,” said **R Vivekanand, Global Head, Quartz, TCS**. *“Quartz for Markets is a robust, secure and future-proof solution that can support the end-to-end transaction life cycle and instant settlement for a wide range of tokenized assets, including NFTs, which are gaining in popularity and value. We have leveraged our contextual knowledge and extensive industry experience in capital markets to design a solution that seamlessly serves the needs of a broad spectrum of market players and accelerates their*

growth and transformation journeys.”

About Quartz – The Smart Ledgers

Quartz – the Smart Ledgers™, is a startup incubated by TCS, and provides foundational technology, tools and business components for creating distributed ledger solutions across varied industries. Quartz redefines how organizations can collaborate in an increasingly connected world, and leverage their collective strengths using blockchain technology. The suite comprises Smart Solutions, a set of ‘designed for blockchain’ business offerings for different industries; Quartz Ledgers, Off-the-shelf ledger structures, functions and APIs for business processes across various domains; the Quartz DevKit, a smart contract development kit to enable programming of high quality code on multiple blockchain platforms; the Quartz Gateway & Command Center for the integration of existing solutions with blockchain ecosystems and their administration and supervision. Built on the core principles of Coexistence, Integration and Interoperability, Quartz enables existing systems to coexist and integrate with blockchain platforms and other messaging networks. With data masking, privacy and anonymity - the premise on which the solutions are designed - organizations can focus on enhancing their core competitive strengths in an environment of utmost security.

With Quartz, you can also facilitate the creation of a complete decentralized ecosystem for stakeholders in your value chain. Quartz caters to organizations across Industry segments including Financial Services, Banking, Supply Chain, Energy & Utilities and eGovernance.

Trimble and Infotech to Streamline Inspection Measurement Workflows for Civil Infrastructure Projects

23 June 2021

Trimble announced that Infotech®, a leader in infrastructure construction software solutions, is adding high-accuracy positioning and measurement capabilities to its Mobile Inspector® Measure Service application through an integration with Trimble® Access™ field software. Infotech provides field staff with simple, yet powerful and configurable, mobile apps to manage data collection and inspection activities for digital delivery of civil infrastructure including Federal and State Department of Transportation (DOT) projects.

"Working with Infotech to integrate digital delivery technology, we enable DOT customers to streamline the office-to-field workflow and collaborate in a common data environment to deliver inspection and construction projects on-time with real-world accuracy," said Cyndee Hoagland, senior vice president, Trimble Transportation & Infrastructure. "Today's announcement represents our commitment to providing industry leading solutions centered on digital project delivery and we are excited to support DOT projects in the effort to modernize our transportation infrastructure."

"Trimble recognizes the importance of an efficient, transparent and repeatable workflow that focuses on industry-specific solutions," said Stephanie Michaud, strategic marketing manager, Trimble Surveying & Mapping Field Solutions. "By sharing precise geospatial measurements between Trimble Access and Infotech's Mobile Inspector application, users can pair high-accuracy locations with asset inspection data to verify final as-built models for civil infrastructure projects."

The Trimble and Infotech integration provides inspectors with a solution to use directly in the field. It allows users to easily capture the supporting geospatial data for measurements and eliminates data entry errors, which increases field productivity and project delivery.

"Field data collection is historically manual and prone to errors due to inefficient, manual processes. Through this integration, we are helping field staff quickly collect accurate, auditable data and

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connecting it to the estimate process with a single point of data entry," said Chad Schafer, associate vice president of Business Development and Sales at Infotech. "Trimble is a tremendous player in the industry with proven surveying technology, and we are excited to integrate two of our software applications to create a more tech-empowered field workforce."

Availability

Trimble Access software is available through Trimble Geospatial Distribution Partners.